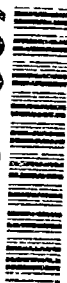


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AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

RESEARCH PROPOSAL QUARTERLY STATUS REPORT

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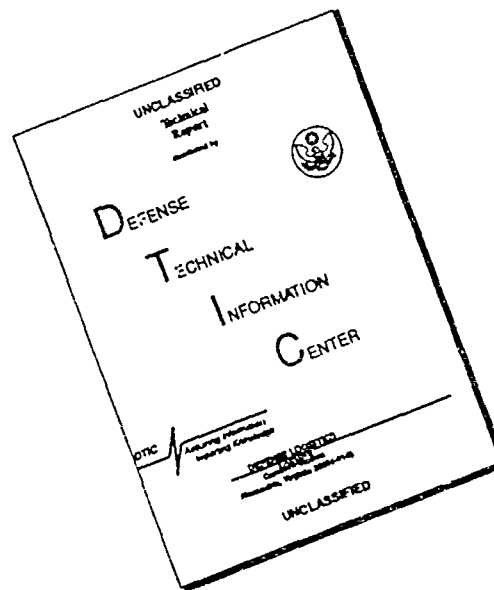
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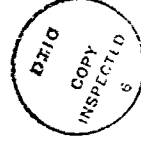
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RESEARCH PROPOSAL

QUARTERLY STATUS REPORT

JANUARY 1992



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INTRODUCTION

The Research Proposal Quarterly Status Report is published in March, June, September, and December by the Air Force Office of Scientific Research (AFOSR). It lists all the research proposals received by AFOSR in the previous six months along with the action taken (Initiated, Declined or Withdrawn) on each report.

The report is divided into two parts. The Institution index lists proposals alphabetically by institution. This is followed by a more detailed listing by Directorate, and by Program Manager within the Directorate.

PURPOSE

This report is designed to inform other Government sponsoring agencies of the proposals received by the AFOSR and the action taken on these proposals. Readers must keep in mind that declined proposals should not necessarily be considered as scientifically unacceptable; many declinations result from a lack of funds or as a result of special programmatic emphasis.

AFOSR MISSION

The Air Force Office of Scientific Research (AFOSR) is the single manager of the Air Force Defense Research Sciences Program (Program Element 61102F) and the primary Air Force agency for the extramural support of fundamental scientific research. The AFOSR is organized under the Air Force Systems Command, DCS/Technology.

AFOSR awards grants and contracts for research in areas of science relevant to the needs of the Air Force. Research is selected for support from proposals received in response to the Broad Agency Announcement from scientists investigating problems involving the search for new knowledge and the expansion of scientific principles. Selection is on the basis of scientific potential for improving Air Force operational capabilities, originality, significance to science, the qualification of the principal investigators, and the reasonableness of the proposed budget.

KEY TO READING THE DATA

TITLE - The title of the research proposal

INSTITUTION - The organization, (e.d., college/university, company) at which the research will be conducted.

INVESTIGATOR - The Principal Investigators proposing the research.

TYPE - N indicates a new research effort.

- R indicates a continuation of an ongoing research effort.

MONTHS - The duration of the research proposal.

RECEIVED - The month and year in which the AFOSR received the proposal.

AMOUNT - The funds requested of the AFOSR for support of the research proposal.

STATUS - A = ACCEPTED indicates that the review has been completed and the proposal recommended for funding.

- D = DECLINED indicates the proposal has been reviewed but will not be funded by the AFOSR.

- BLANK SPACE = indicates the proposal is being reviewed.

- W = WITHDRAWN indicates that the proposal submitted was removed from further consideration at the proposers request.

PROGRAM MANAGER - The AFOSR scientific staff member assigned the responsibility for the technical evaluation of the proposal.

PROPOSAL # - An AFOSR Directorate assigned control number to uniquely identify the research proposal.

INITIATE - The proposal has been recommended to the AFOSR Directorate of Contracts for the amount and duration.

START DATE - The recommended date for commencement of the research.

TOTAL AMOUNT - The estimated number of dollars recommended for support of the research effort; the actual amount is subject to negotiation.

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PART 1

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INSTITUTION

AIR FORCE INSTITUTE OF TECHNOLOGY

AMERICAN CHEMICAL SOCIETY AMERICAN REGISTRY OF PATHOLOGY

ARIZONA STATE UNIVERSITY

ARMY RESEARCH OFFICE BOSTON UNIVERSITY

BROWN UNIVERSITY

CALIFORNIA INSTITUTE OF TECHNOLOGY

CALIFORNIA STATE UNIVERSITY, FULLERTON CAMBRIDGE UNIVERSITY (CAVENDISH LAB) CARNEGIE-MELLON UNIVERSITY

INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PH NAME
AIR FORCE INSTITUTE OF TECHNOLOGY	MALL	S.		92-NC-099		ROSENSTEIN
	PALAZOTTO	ANTHONY	N	92-NA-009		WU
	PERHAM	GLEN	P	92-NC-099		BERMAN
	YEC	YUNG KEE		92-NE-124		POMRENKE
	THIEG	ROBERT		92-NC-008		LEE
	WEHM	WILLIAM	J	92-NC-107	A	CERVENY
				92-NL-109	A	CERVENY
	AKERS	LEX	A	92-NM-094		SUDDARTH
	COCHAN	DOUGLAS		92-NM-046		SJOGREN
	FAN	GENGHUA		92-NM-108		GLASSMAN
AMERICAN CHEMICAL SOCIETY AMERICAN REGISTRY OF PATHOLOGY	MURLBERT	GLENN		92-NM-128		GLASSMAN
	KOURIS	DEMITRIS	A	92-NA-058		JONES
	APACAS	GEORGE	N	92-NE-075		POMRENKE
	NICOLAENKO	BASIL		92-NM-028		NACHMAN
	PEED	HELEN	L	92-NA-022		SAKELL
				92-NA-117		MCMICHAEL
	UTTAL	WILLIAM	R	92-NL-037	A	TANGNEY
	WEIN	A. CAVIS		92-NI-002	A	CAVENDER
	BAILLIEUL	JOHN		92-NM-119		JACOBS
	COHEN	MICHAEL	A	92-NL-125	A	TANGNEY
ARMY RESEARCH OFFICE BOSTON UNIVERSITY	FORBES	JERREY	A	92-NL-077		STOBIE
	GROSSBERG	STEPHEN		92-NL-090		TANGNEY
	MOHLFELD	ROBERT	G	92-NL-100		STOBIE
				92-NL-101		STOBIE
	HUGHES	W	J	92-NL-110		STOBIE
	NAGH	RAYMOND	J	92-NM-152		RADOSKI
	DEAN	THOMAS	L	92-NM-166		NACHMAN
	MORSE	THEODORE	E	92-NE-061		WAKSMAN
	SHELDON	BRIAN		92-NE-075		SCHLOSSER
	ABU-MOSTAFA	YASER	S	92-NM-155		BURGGRAF
BROWN UNIVERSITY	BALDI	PIERRE	F	92-NM-055		SUDDARTH
	BRIDGES	WILLIAM	B	92-NE-163		SUDDARTH
	DOYLE	JOHN	C	92-NM-099		CRAIG
	GRUBBS	ROBERT	H	92-NC-013		JACOBS
	MARDER	SETH	R	92-NC-041		HEDBERG
	MCGILL	THOMAS	C	92-NE-066		LEE
	MCKOY	VINCENT		92-NC-042		POMRENKE
				92-NC-092	A	BURGGRAF
	TAI	YU-CHONG		92-NA-110		BURGGRAF
	ZEWATL	AHMED	H	92-NA-113		MCMICHAEL
CALIFORNIA STATE UNIVERSITY, FULLERTON CAMBRIDGE UNIVERSITY (CAVENDISH LAB) CARNEGIE-MELLON UNIVERSITY	FINLAYSON-PITTS	S	J	92-NL-045	D	BERMAN
	BRADLEY	DOHAL	C	92-NE-117		CERVENY
	BERRY	GUY	C	92-NC-058		CRAIG
	BOODSON	MARC		92-NM-126		LEE
	CASASANT	DAVID	P	92-NE-020		JACOBS
	GREVE	DAVID		92-NE-056		CRAIG
	KUMTA	PRASHANT	M	92-NC-034		POMRENKE
	POLOCK	TRESA	H	92-NC-117		HEDBERG
						ROSENSTEIN

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
CASE WESTERN RESERVE UNIVERSITY	BRADLEY	MICHAEL	J	92-NC-066		BURGGRAF	
	SIMMONS	REID	S	92-NC-164		SUDDARTH	
	SKOPOVSKI	WAREK		92-NE-094		POMRENKE	
	SMITH	STEPHEN		92-NC-159		WAKSMAN	
	BALLARINI	ROBERTO		92-NC-063		JONES	
	WELSCY	G.		92-NC-081		ROSENSTEIN	
	SHICA	MATSDU		92-NC-126		ERSTFELD	
	CELALE	REPICUN	I	92-NC-020	D	BURGGRAF	
	SAPACHIK	WYPIAM	P	92-NE-013	A	WEINSTOCK	
	TJIAS	SIGMUND		92-NE-014		FREGLY	
CITY COLLEGE - CUNY	ALFANO	ROBERT	R	92-NE-119		POMRENKE	
				92-NE-140		SCHLOSSBER	
CITY UNIVERSITY OF NEW YORK	COVIN	STEPHEN		92-NC-127		JONES	
	SMITH	FREDERICK	W	92-NE-135		POMRENKE	
CLARKSON UNIVERSITY	FORAS	ATHANASSIOS	J	92-NC-021		NACHMAN	
	KAUP	DAVID	K	92-NC-109		HEDBERG	
CLEMSON UNIVERSITY	LAVINE	BARRY	P	92-NC-090		GLASSMAN	
	ADAMS	WARREN		92-NC-149		GLASSMAN	
CLEVELAND STATE UNIV-COLL OF ENGINEERING	DUNCAN	LEWIS	M	92-NC-109		STOBIE	
	GOREE	JAMES	G	92-NC-135		JONES	
	LARSEN	MIGUEL	F	92-NC-080		STOBIE	
	WANG	TING		92-NC-115		FANT	
	KESNICK	EDWARD	S	92-NC-119		SAKELL	
	BERNHART	MARK	E	92-NC-003		ROSENSTEIN	
	COTTON	WILLIAM	R	92-NC-078		STOBIE	
	ROBINSON	GARY	Y	92-NE-067		POMRENKE	
	SRIVASTAVA	JAGDISH	H	92-NC-174		SJOGREN	
	AUSTON	DAVID	M	92-NE-103		SCHLOSSBER	
COLUMBIA UNIVERSITY	CHAN	SIU-WAI	M	92-NE-011	A	WEINSTOCK	
	CSGOOD, JR	RICHARD	M	92-NE-064		SCHLOSSBER	
CORNELL UNIVERSITY	POTASEK	MARY	J	92-NC-135		NACHMAN	
	SIMCHI-LEVI	DAVID	J	92-NC-055		GLASSMAN	
	TURRO	NICHOLAS		92-NE-151		HEDBERG	
	PALLANTYNE	JOSEPH	M	92-NE-090		CRAIG	
	EASTMAN	LESTER	F	92-NE-071		WITT	
	HEALEY	TIMOTHY	J	92-NC-073		POMRENKE	
	HQ	WILSON	J	92-NC-005		NACHMAN	
	HOLMES	PHILLIP	L	92-NC-054		BERMAN	
	HOUSTON	PAUL	P	92-NC-020		GLASSMAN	
	HUTTENLOCHER	DANIEL	C	92-NE-074		POMRENKE	
CORNELL UNIVERSITY	ISAACSON	MICHAEL		92-NC-079		STOBIE	
	KELLEY	MICHAEL		92-NC-093		STOBIE	
CORNELL UNIVERSITY	LUMLEY	JOHN	L	92-NC-106		MCMICHAEL	
	MAUSEN	EUGENE	L	92-NC-094		CERVENY	
CORNELL UNIVERSITY	WATSON	JOHN	A	92-NE-035		BASKER	
				92-NE-109		BASKER	

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INVESTIGATOR

LAST NAME FIRST NAME MIDDLE

PROPOSAL

STATUS

PM NAME

CREIGHTON UNIVERSITY	CHER	CHRISTOPHER	K	92-NC-061		HEDBERG
DAWKINS COLLEGE	PAJ	RISHI		92-NC-077		ROSENSTEIN
	STONE	SIDNEY	J	92-NC-106		CORNETTE
	ANDRELL	ROBERT	W	92-NC-106		JACOBS
	HUGHES	RUSSELL	D	92-NC-060		HEDBERG
	SONNEFUP	BYRON	D	92-NC-111		RADOSKI
CREVEL UNIVERSITY	QUEZ	ALLEN		92-NC-091		SUDDARTH
	POPOVICS	SANDOR		92-NC-054		WU
	KENNEDY	ALBERT	S	92-NC-040		JONES
EASTERN SPACE & MISSILE CENTER	ERLICH	MIKE		92-NC-124	A	SAKELL
ERLICH ASSOCIATES		DAVID		92-NC-120	A	SCHLOSSER
				92-NC-143		SCHLOSSER
EMORY UNIVERSITY	HEAVEN	MICHAEL	C	92-NC-032		BERMAN
ENVIRONMENTAL RESEARCH INSTITUTE OF MICH	DAVID	HANCI	A	92-NC-175		SUGREN
ESSEX CORPORATION	KENNEDY	ROBERT	S	92-NC-010		REGLEY
FLORIDA INTERNATIONAL UNIVERSITY	MARINA	CAROLYN		92-NC-045		ERSTFELD
FLORIDA STATE UNIVERSITY	PREFER	RICHARD	L	92-NC-006		STOBIE
				92-NC-047		STOBIE
				92-NC-040		NACHMAN
GEORGE MASON UNIVERSITY	HINTZ	KENNETH	J	92-NC-064		SUGDARTH
	WU-FAN	KARLA	L	92-NC-081		GLASSMAN
	WU-FAN	ANDREJ		92-NC-185		JACOBS
GEORGIA INSTITUTE OF TECH	ANTOLOVICH	STEPHEN	C	92-NC-131		ROSENSTEIN
	ATLURI	SATYA	N	92-NC-052		WU
	KUMAR	SATISH		92-NC-023		HEDBERG
				92-NC-036	M	HEDBERG
	MCOWELL	DAVID	L	92-NC-074		JONES
	NEUMAUER	GEORGE	L	92-NC-160	A	GLASSMAN
GEORGIA TECH RESEARCH CORPORATION	BERGER	MARC	A	92-NC-063		NACHMAN
	BRUNO	JSCAR	P	92-NC-044		NACHMAN
	WINE	PAUL	H	92-NC-021		BERMAN
GORDON RESEARCH CONFERENCES INC	ABRUHA	HECTOR	D	92-NC-125	D	WILKES
	CRUICKSHANK	ALEXANDER		92-NC-039		WITT
	CRUICKSHANK	ALEXANDER	N	92-NC-131		SCHLOSSER
	HAIR	MICHAEL	L	92-NC-085		ERSTFELD
	ROZZELL	DAVID		92-NC-124	D	HEDBERG
GRUMMAN AEROSPACE CORP	HUANG	CHEN	Y	92-NC-107		JACOBS
HARRISMAN UNIVERSITY	MARCONI	FRANK		92-NC-125		SAKELL
	SMITH	GARY		92-NC-073		HADDAD
HARVARD UNIVERSITY	GRUSZ	SHERYL	S	92-NC-024		HADDAD
	LIEBER	BARBARA	J	92-NC-085		WAKSMAN
	MITCHELL	CHARLES	M	92-NC-011		BURGGRAB
HIGH TECHNOLOGY CORP	WALIK	RALPH	R	92-NC-080		HEDBERG
HONEYWELL INC	BARRETT	MUJEEB	F	92-NC-017		SAKELL
	BLOOMFIELD	MICHAEL	R	92-NC-159		JACOBS
HOWARD UNIVERSITY	CHODHURY	JOHN	K	92-NC-011		FRESLY
	HALPERN	AJIT	X	92-NC-114		WU
		JOSHUA	P	92-NC-071		POHRENKE

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INSTITUTION

IBM ALBANY RESEARCH CENTER
JIM THOMAS J. WATSON RESEARCH CENTER
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ILLINOIS INSTITUTE OF TECHNOLOGY

INDIANA UNIVERSITY
INDIANA UNIVERSITY-PURDUE UNIV AT INDIANAPOLIS

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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
IBM ALBANY RESEARCH CENTER	JEFFERSON	MICHAEL			92-NE-004		CRAIG
	WICJALL	JERRY			92-NE-142	A	POHRENKE
	ADRE	KEVIN	L		92-NE-151		SUDDARTH
					92-NE-156		ROSENSTEIN
ILLINOIS INSTITUTE OF TECHNOLOGY	COLLAR	MAREK			92-NE-031		WU
	GURALNICK	S A			92-NE-112		LEE
	MAIDAL	BRADJA	K		92-NE-107		TISHKOFF
	MASIB	HASSAN	M		92-NE-080		TISHKOFF
INDIANA UNIVERSITY	MARK	CANDACE	E		92-NE-023		ERSTELD
	CREAGER	STEPHEN	E		92-NE-007		NACHMAN
	FRANKEL	MICHAEL	L		92-NE-154		NACHMAN
	FAM	RICHARD	Y		92-NE-150		NACHMAN
INDIANA UNIVERSITY-PURDUE UNIV AT INDIANAPOLIS	LANG	QI			92-NE-109		NACHMAN
	MENTON	H. JOSEPH			92-NE-012		NACHMAN
	WHYTE, JR.	THADDEUS	E		92-NE-085	D	SJOGREN
	SAUMGARTEN	JOSEPH	R		92-NE-064		HEDBERG
INTERFACE FOUNDATION OF NORTH AMERICA	COPPOV	MARK	S		92-NE-082		WU
	INGER	GERGE	R		92-NE-095		BURGGRAF
	KAVANAGH	PATRICK	R		92-NE-125		SAKELL
	VARY	JAMES	P		92-NE-123		FANT
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	KHURGIN	JACOB	B		92-NE-070		SCHLOSSER
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	RUGH	WILSON	J		92-NE-054		LUPO
	RUSS	DAVID	V		92-NE-069		JACOB
	JOPTNER	JULIUS	V		92-NE-131		RADOSKI
JORTNER RESEARCH & ENGINEERING, INC.	PANW	ALEXANDER	S		92-NE-093		JONES
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	MARWEP	MARTIN	P		92-NE-053		CRAIG
	HWANG	JAMES	C		92-NE-107		POHRENKE
KANSAS STATE UNIVERSITY	ROCKWELL	DONALD	Q		92-NE-093		FANT
	SMITH	CHARLES	R		92-NE-092		FANT
	WALKER	J DAVIS			92-NE-091		FANT
		J DAVIS			92-NE-105		MCMICHAEL
KENT STATE UNIVERSITY	MATIN	JAMES	D		92-NE-087		NACHMAN
	PAI	ETHEL			92-NE-029		TANGNEY
	YOST	SURESH	A		92-NE-132		SJOGREN
	RIHNE	WILLIAM	A		92-NE-025		TANGNEY
LEHIGH UNIVERSITY	WANG	GLENV			92-NE-137		WITT
	ROCKWELL	DONALD	A		92-NE-015		SUDDARTH
	SMITH	CHARLES	S		92-NE-033		JACOBS
	WALKER	J DAVIS	A		92-NE-045		STOBIE
LONG ISLAND UNIVERSITY	WANG	GLENV	E		92-NE-059		STOBIE
	PAI	ETHEL			92-NE-029		STOBIE
	YOST	SURESH			92-NE-132		STOBIE
	RIHNE	WILLIAM			92-NE-025		STOBIE
LOUISIANA STATE UNIVERSITY	WANG	GLENV			92-NE-137		STOBIE
	ROCKWELL	DONALD	A		92-NE-015		STOBIE
	SMITH	CHARLES	S		92-NE-033		STOBIE
	WALKER	J DAVIS	A		92-NE-045		STOBIE
LOYOLA UNIVERSITY	WANG	GLENV	E		92-NE-059		STOBIE
	ROCKWELL	DONALD	A		92-NE-015		STOBIE
	SMITH	CHARLES	S		92-NE-033		STOBIE
	WALKER	J DAVIS	A		92-NE-045		STOBIE
MCNC CENTER FOR MICROELECTRONICS	WANG	GLENV	E		92-NE-059		STOBIE
	ROCKWELL	DONALD	A		92-NE-015		STOBIE
	SMITH	CHARLES	S		92-NE-033		STOBIE
	WALKER	J DAVIS	A		92-NE-045		STOBIE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	WANG	GLENV	E		92-NE-059		STOBIE
	ROCKWELL	DONALD	A		92-NE-015		STOBIE
	SMITH	CHARLES	S		92-NE-033		STOBIE
	WALKER	J DAVIS	A		92-NE-045		STOBIE

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MCDONNELL DOUGLAS RESEARCH LAB HEHARRY MEDICAL COLLEGE	LEE	MIN-CHANG		92-NE-001		BARKER
	ORLIN	JAMES	E	92-NM-003	A	GLASSMAN
	SANCHEZ	MARTINEZ		92-NA-059		BIRKAN
	TEORCH	PAUL	M	92-NE-043		WEINSTOCK
	WILSKY	ALAN	S	92-NM-048		SJOGREN
	MURTHAN	RICHARD	J	92-NL-072		HADDAD
	EPAN	IAN	A	92-NC-127		LEE
	BLAKE II	ROBERT		92-NL-020		CERVENY
				92-NL-092		CERVENY
				92-NL-089		CERVENY
MICHIGAN STATE UNIVER .TY	WROTEK	JAMES	J	92-NA-050		MCMICHAEL
	KOCHESAHANI	WANDOCHEHR	M	92-NL-031		CERVENY
	TRDSKG	JAMES	E	92-NL-031		CERVENY
	AIFANTIS	ELIAS		92-NA-061		JONES
	VAN KUIJK	FREDERIK J.G.M.		92-NL-095		CERVENY
	SJOIS-WOLLHER	IVAN		92-NL-125		FREGLY
	KOHN	ROBERT	V	92-NM-057		NACHMAN
	GRANATA	RAYMOND		92-XD-003	A	OWENS
	LAVERY	JOHN		92-NM-144		HOLLAND
	ISRAEL	AARON		92-XD-002	A	OWENS
MICHIGAN TECHNOLOGICAL UNIVERSITY	NETA	SEMY		92-NL-023		STOBIE
	KRIEGSMANN	GREGORY	A	92-NM-043		NACHMAN
	KREHBIEL	PAUL	P	92-NL-120		STOBIE
	GLANZEP	MURRAY		92-NL-122		FREGLY
	HUMMEL	ROBERT		92-NM-169		WAKSHAN
	KRAUSKOPF	JOHN		92-NL-103		TANGNEY
	SNOOGROSS	JOAN	S	92-NL-061		FREGLY
	LLINAS	RODOLFO	R	92-NL-123		HADDAD
	IYER	SHANTHI		92-NE-002		POMRENKE
	LIV	YUH-LAYS		92-NL-005		STOBIE
NORTH DAKOTA STATE UNIVERSITY	MCRAE	D SCOTT		92-NA-043		SAKELL
	BOUDJOUK	PHILIP	R	92-NC-105		HEDBERG
	ENDERLE	JOHN	D	92-NL-012		TANGNEY
	GILLISPIE	GREGORY	D	92-NC-106		BURGGRAF
	GORDON	MARK	S	92-NC-094	A	BURGGRAF
	CHAN	CHUNG		92-NE-037		BARKER
	KIRSS	REIN	U	92-NC-053		HEDBERG
	SCHATZ	ROBERT	A	92-NL-044	D	CERVENY
	SPANGLER	CHARLES	W	92-NC-039		LEE
	ACHENBACH	JAN	J	92-NA-052		WU
NORTHERN ILLINOIS UNIVERSITY	BIRYBAUM	LAWRENCE	M	92-NM-075		WAKSHAN
	DANIEL	ISAAC		92-NA-071		JONES
	KEER	LEON	M	92-NA-077		JONES
	MARKS	LAURENCE	C	92-NC-062		ERSTFELD
	MURA	TOBIN	J	92-NC-066		LEE
	OTTINO	TOSHIO		92-NA-078		JONES
	PEISS	JULIO	M	92-NA-020		MCMICHAEL
	SHAH	EDWARD	L	92-NM-097		NACHMAN
		SURENDRA	P	92-NA-027		WU
NORTH CAROLINA A&T STATE UNIVERSITY	LEE	MIN-CHANG		92-NE-001		BARKER
	ORLIN	JAMES	E	92-NM-003	A	GLASSMAN
	SANCHEZ	MARTINEZ		92-NA-059		BIRKAN
	TEORCH	PAUL	M	92-NE-043		WEINSTOCK
	WILSKY	ALAN	S	92-NM-048		SJOGREN
	MURTHAN	RICHARD	J	92-NL-072		HADDAD
	EPAN	IAN	A	92-NC-127		LEE
	BLAKE II	ROBERT		92-NL-020		CERVENY
				92-NL-092		CERVENY
				92-NL-089		CERVENY
NORTH CAROLINA STATE UNIVERSITY	WROTEK	JAMES	J	92-NA-050		MCMICHAEL
	KOCHESAHANI	WANDOCHEHR	M	92-NL-031		CERVENY
	TRDSKG	JAMES	E	92-NL-031		CERVENY
	AIFANTIS	ELIAS		92-NA-061		JONES
	VAN KUIJK	FREDERIK J.G.M.		92-NL-095		CERVENY
	SJOIS-WOLLHER	IVAN		92-NL-125		FREGLY
	KOHN	ROBERT	V	92-NM-057		NACHMAN
	GRANATA	RAYMOND		92-XD-003	A	OWENS
	LAVERY	JOHN		92-NM-144		HOLLAND
	ISRAEL	AARON		92-XD-002	A	OWENS
NORTH CAROLINA STATE UNIVERSITY	NETA	SEMY		92-NL-023		STOBIE
	KRIEGSMANN	GREGORY	A	92-NM-043		NACHMAN
	KREHBIEL	PAUL	P	92-NL-120		STOBIE
	GLANZEP	MURRAY		92-NL-122		FREGLY
	HUMMEL	ROBERT		92-NM-169		WAKSHAN
	KRAUSKOPF	JOHN		92-NL-103		TANGNEY
	SNOOGROSS	JOAN	S	92-NL-061		FREGLY
	LLINAS	RODOLFO	R	92-NL-123		HADDAD
	IYER	SHANTHI		92-NE-002		POMRENKE
	LIV	YUH-LAYS		92-NL-005		STOBIE
NORTH DAKOTA STATE UNIVERSITY	MCRAE	D SCOTT		92-NA-043		SAKELL
	BOUDJOUK	PHILIP	R	92-NC-105		HEDBERG
	ENDERLE	JOHN	D	92-NL-012		TANGNEY
	GILLISPIE	GREGORY	D	92-NC-106		BURGGRAF
	GORDON	MARK	S	92-NC-094	A	BURGGRAF
	CHAN	CHUNG		92-NE-037		BARKER
	KIRSS	REIN	U	92-NC-053		HEDBERG
	SCHATZ	ROBERT	A	92-NL-044	D	CERVENY
	SPANGLER	CHARLES	W	92-NC-039		LEE
	ACHENBACH	JAN	J	92-NA-052		WU
NORTHERN ILLINOIS UNIVERSITY	BIRYBAUM	LAWRENCE	M	92-NM-075		WAKSHAN
	DANIEL	ISAAC		92-NA-071		JONES
	KEER	LEON	M	92-NA-077		JONES
	MARKS	LAURENCE	C	92-NC-062		ERSTFELD
	MURA	TOBIN	J	92-NC-066		LEE
	OTTINO	TOSHIO		92-NA-078		JONES
	PEISS	JULIO	M	92-NA-020		MCMICHAEL
	SHAH	EDWARD	L	92-NM-097		NACHMAN
		SURENDRA	P	92-NA-027		WU

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OHIO STATE UNIV RESEARCH FOUNDATION	WEITZ	ERIC			92-NC-027		ERSTFELD
	BLACK	ANTHONY			92-NM-139		JACOBS
	FOREST	I. GREGORY			92-NM-061		NACHMAN
	HERBERT	THORWALD			92-NA-099		SAKELL
	OSGUNDER	OMIT			92-NA-104		WCMICHAEL
	SAMIMY	WC			92-NA-134		WU
	HAYTON	WILLIAM			92-NA-011		SAKELL
	LEE	ROBERT	L		92-NA-122		TISHKOFF
	LEVINE	ZACHARY			92-NL-056		CERVENY
	MCCREEPY	RICHARD			92-NE-152		CRAIG
OHIO STATE UNIVERSITY	WILLER	TERRY			92-NE-154		POMRENKE
	VOSES	RANDOLPH			92-NC-025		WILKES
	OSGUNDER	UMIT	L		92-NE-161		KELLEY
	SUBRAMANIAM	VISH			92-NM-187		SJGGREN
	FOOD	WARREN	V		92-NA-069		WU
	KNOBSE	EDWARD	T		92-NA-039		BIRKAN
	LOCHMILLER	ROBERT			92-NC-103		LEE
	POWELL	RICHARD	T		92-NE-100		POMRENKE
	RAFF	LIONEL			92-NE-114		POMRENKE
	THOMPSON	DONALD			92-NE-145		POMRENKE
OLD DOMINION UNIV RSH FOUNDATION INC.	ZAHRIAN	STEPHAN			92-NL-033		CERVENY
	GLARIU	JAN			92-NE-139		CRAIG
	SHETTS	JANUS			92-NC-004		BURGGRAF
	QUINN	JAMES			92-NC-028		TANGNEY
	HOLMES	RICHARD			92-NL-114		JACOBS
	DEREEZ	THOMAS			92-NM-161		GLASSMAN
	SIGMON	BRUCE	J		92-NM-146		SCHLOSSBER
	D'AMBROSIO	LARRY			92-NE-155		STOBIE
	MAHRT	ANTHONY			92-NE-165		SCHLOSSBER
	AMOS	PATRICIA			92-NE-118		WITT
PENNSYLVANIA STATE UNIVERSITY	SIANCONI	L ERIC			92-NM-171		WAKSMAN
	CROSS	PAUL			92-NL-119		STOBIE
	CULTER	JOSEPH			92-NC-033		WU
	CUSUMANO	WOLFGANG			92-NC-114		HEDBERG
	ERNST	REINHARD			92-NA-049		WU
	GRAETZER	RUSTUM			92-NE-156		BARKER
	ROY	DOMENIC			92-NA-070		WU
	SANTAVICCA	ROBERT			92-NC-050		BERMAN
	SANTORO	ROBERT			92-NL-124		HADDAD
	SMITH	THOMAS			92-NC-011		ERSTFELD
POLYTECHNIC UNIV. - WEBER RESEARCH INST.	THROWER	GERALD			92-NC-135		ERSTFELD
	KUD	PETER			92-NA-086		TISHKOFF
		SPENCER			92-NA-082		TISHKOFF
					92-NA-089		BIRKAN
					92-NE-007		KELLEY
					92-NC-129		BURGGRAF
					92-NE-012		BARKER

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
POMONA COLLEGE PRINCETON UNIVERSITY	RANKS	WILLIAM	P	92-NL-094		FREGLY
	CATTS, JR	GEROON	D	92-NE-113	A	KELLEY
	ELAM	DAVID	S	92-NM-099		JACOBS
	KUNG	S	Y	92-NM-051		SUDARTH
	LAW	CHUNG	K	92-NA-085		BIRKAN
	MCLAUGHLIN	DAVID	A	92-NM-058		NACHMAN
	MELES	RICHARD	S	92-NA-002	A	SAKELL
	CRIZAG	STEVEN		92-NA-041		SAKELL
	RABITZ	HERSCHEL		92-NA-075		TISHKOFF
	SACKS	ELISHA		92-NC-097	A	BURGGRAB
PURDUE RESEARCH FOUNDATION PURDUE UNIVERSITY	STRAIN	JOHN		92-NM-005		WAKSMAN
	COLTONSKI	MICHAEL	D	92-NM-125		JACOBS
	SAJAJ	CHANDERJEE	L	92-NM-131		SJOGREN
	BOWMAN	KEITH	J	92-NM-052		GLASSMAN
	FLEETER	SANFORD		92-NA-034		JONES
	OTSUKA	NOBUO		92-NA-030		FANT
	FLAHERTY	JOSEPH	E	92-NE-080		POMRENKE
	FONTIUN	ARTHUR		92-NM-100		NACHMAN
	COOK	RICHARD		92-NA-036		BIRKAN
	LEUNG	CHUN	L	92-N-113	A	BIRKAN
RICE UNIVERSITY	MACCORONE	ROBERT	M	92-NF-132		SCHLOSSER
	SHEPARD	MARK	K	92-NL-062		RADOSKI
	WALLACE	WILLIAM	S	92-NL-015		POMRENKE
	COX	STEVEN		92-NM-015		WU
	ROEDIGER, III	HENRY	A	92-NM-165		WU
	YOUNG	JAMES	J	92-NM-131		WAKSMAN
	PANDASSIAN	CHARLES	L	92-NL-027		NACHMAN
	SENARD	JOEL	F	92-NL-027		FREGLY
	CHUBB	JOEL	V	92-NL-127		SCHLOSSER
	LEBOWITZ	JOEL	J	92-NA-127		WU
ROCKWELL INTERNATIONAL ROCKWELL INTERNATIONAL, SCIENCE CENTER RUTGERS - THE STATE UNIVERSITY	TAYLOR	JEAN	L	92-NC-133		BIRKAN
	UTHE	EDWARD	E	92-NL-074		BERMAN
	KUN	ERNEST		92-NE-005		TANGNEY
	JONES	COLIN		92-NM-092		BARKER
	MATSON	CHARLES	E	92-NM-007		NACHMAN
	HASSAL	SHADIA		92-NL-019		STOBIE
	BLACK	I. EDWARD	L	92-NL-019		CERVENY
	WRIGHT	JOHN		92-NE-009	A	POMRENKE
	SHIUE	WEI-KEI		92-NM-152		NACHMAN
	GUPTA	RICHARD	R	92-NM-162		NACHMAN
RUTGERS, THE STATE UNIVERSITY SRI INTERNATIONAL SAN FRANCISCO STATE UNIVERSITY SANTA BARBARA CALIFORNIA SEATTLE PACIFIC UNIVERSITY SMITHSONIAN INSTITUTION SOCIETY FOR INDUSTRIAL & APPLIED MATH	HASERMAN	RICHARD	C	92-NL-054		RADOSKI
	WRIGHT	JOHN	R	92-NM-030		NACHMAN
	SHIUE	WEI-KEI		92-NM-031		JACOBS
	GUPTA	SOMESHWAR		92-NL-018		CERVENY
	HASERMAN	RICHARD	C	92-NM-110		SJOGREN
	BARADUEFF	JOHN		92-NM-007		SJOGREN
	SEASLEY	JOHN		92-NM-032		NACHMAN
	BARADUEFF	JOHN		92-NM-190		NACHMAN
	SEASLEY	JOHN		92-NA-021		SAKELL
	SEASLEY	JOHN		92-NE-088		WEINSTOCK

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UNITED TECHNOLOGIES RESEARCH CENTER

UNIV OF ALABAMA

UNIV OF ARIZONA

UNIV OF ARKANSAS

UNIV OF ARKANSAS/PINE BLUFF

UNIV OF CALIFORNIA

INVESTIGATOR

LAST NAME

FIRST NAME

MIDDLE

PROPOSAL

STATUS

PM NAME

GIAMET
MALANY
MADAFASZ
FASSEL
FINK
GIBBS
GLEXP
GLEZER
GMITRC

A.
CHARLES
FRANK
HERMAN
UWE
HYATT
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ARTHUR

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92-NC-022
92-NL-048
92-NE-159
92-NA-118
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92-NA-103
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ROSENSTEIN
CERVENY
POMRENKE
SAKELL
SCHLOSSER
SCHLOSSER
MCMICHAEL
MCMICHAEL
CRAIG

MOLONEY
NEWELL
PEYGHAMBARIAN
SHANNON
UHLMANN
WITTEN
WYGNANSKI
BREIER

JEROVE
ALAN
NASSER
ROBERT
DONALD
MARK
ISRAEL
DENNIS

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C
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NACHMAN
NACHMAN
SCHLOSSER
SCHLOSSER
ERSTFELD
CERVENY
MCMICHAEL
NACHMAN
NACHMAN

KOMOROSKI
WILL
APKARIAN
POWERS
CARTER
COLDREN
DYNES
EARTHMAN
ESENER

RICHARD
M
VAPTKESS
MICHAEL
EMILY
LARRY
ROBERT
JAMES
SADIX

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92-NC-019
92-NC-044
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STOBIE
STOBIE
BERMAN
BERMAN
BURGGRAF
CRAIG
WEINSTOCK
ROSENSTEIN
CRAIG

FETTERMAN
GIBSON
GWIN
HEGER

M
JAMES
ELISABETH
ALAN

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SCHLOSSER
JACOBS
BARKER
LEE
LEE
WITT
MCMICHAEL
MCMICHAEL
FANT

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HOFFMAN
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KENNEDY
KLEIN
LADE
LEE
LIN

CHIN-MING
DONALD
CHENMING
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92-NE-040
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92-NA-007
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WITT
MCMICHAEL
MCMICHAEL
TANGNEY
WITT
TISHKOFF
TANGNEY
LEWIS
CRAIG
WU
WU

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INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
LUMANN, JR	NEVILLE	C	92-NE-092		BARKER	
	GARY		92-NE-093		BARKER	
	JOHN		92-NE-159		BARKER	
	HORIA		92-NE-121		HADDAD	
	UMESH		92-NE-059		ERSTFELD	
	PETER		92-NE-091	A	BURGGRAB	
	AMIA		92-NE-047		WITT	
	SISANATH		92-NA-010		MCMICHAEL	
	STAVDUCH		92-NA-033		ROSENSTEIN	
	DANIEL		92-NA-095		LUPO	
	JCH		92-NA-079		LEWIS	
	ELIJAH		92-NE-016		BERMAN	
	PETER		92-NE-135		KELLEY	
	MARK		92-NA-036		GLASSMAN	
	CHERDON		92-NE-006		CRAIG	
	SAIC		92-NE-028		SCHLOSSER	
	SHELDON		92-NA-004		SJOGREN	
	POY		92-NE-077	A	LUPO	
	JASON		92-NA-153		WEINSTOCK	
	WILLIAM		92-NA-049		JACOBS	
	CHARLES		92-NE-111		CRAIG	
	SHYM		92-NE-168		WITT	
	SICKE		92-NE-014		CRAIG	
	POCHI		92-NE-110		CRAIG	
	PAUL		92-NE-105		WITT	
	YASSAN		92-NE-010		CRAIG	
	FRANCES		92-NE-170		CRAIG	
	J		92-NA-103		MCMICHAEL	
	H		92-NE-043		WEINSTOCK	
	GEORGE		92-NE-118		STOBIE	
	EVE		92-NE-150		SCHLOSSER	
	KRISTIAN		92-NE-127		KELLEY	
	TAKESHI		92-NE-050		CRAIG	
	STEVEN		92-NE-071		HADDAD	
	LUPING		92-NA-072		WAKSMAN	
	KIRTI		92-NC-112		BERMAN	
	AMATEF		92-NC-010		ERSTFELD	
	ARTHUS		92-NC-089		LEE	
	MARK		92-NA-044		FANT	
	SEDAT		92-NA-097		SAKELL	
	MELVIN		92-NC-122		ERSTFELD	
	KENNETH		92-NA-013		NACHMAN	
	PANKOVE		92-NE-002		STOBIE	
	LIVE		92-NA-060		BARKAN	
			92-NE-174		WEINSTOCK	
			92-NE-043		POMRENKE	
			92-NE-015	A	STOBIE	

UNIV OF CALIFORNIA, SAN DIEGO

UNIV OF CENTRAL FLORIDA

UNIV OF CHICAGO

UNIV OF CINCINNATI

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
UNIV OF COLORADO AT DENVER	GLOVER	RED		92-NM-050		GLASSMAN
	LINBERGER	W. CARL		92-NC-047		BERMAN
	MCCRYAN	OLIVER	A	92-NA-098		SAKELL
	NICHL	JOSEF		92-NC-048		HEDBERG
	NEE	JOHN		92-NE-120	A	CRAIG
	POPOVIC	ZGYA		92-NE-112		WITT
	SAUER	JON	R	92-NE-172		CRAIG
	WAGNER	KELVIN	M	92-NE-164		CRAIG
	LINBERGER	W. CARL		92-NC-035	A	BURGGRAF
	MCCORMICK	STEPHEN		92-NM-036		NACHMAN
UNIV OF CONNECTICUT	BAR-SHALCH	YAAKOV		92-NM-009	A	GLASSMAN
	GONSALVES	KENNETH	E	92-NC-118		HEDBERG
	PASSALA	KRISHNA	M	92-NM-192		SJOGREN
	ANGELL	THOMAS	S	92-NM-080		JACOBS
	KLODZEY	JAMES		92-NE-103		POMRENKE
	AMME	ROBERT	C	92-NC-057		BURGGRAF
	COOMBE	ROBERT	D	92-NC-006		BERMAN
	SCHROEDER	JAMES	E	92-NM-173		SJOGREN
	TOVEY	N KEITH		92-NA-026		LEWIS
	TATE	AUSTIN		92-NM-070		LUPO
UNIV OF EAST ANGLIA	BARTLETT	ROONEY	J	92-NC-093	A	BURGGRAF
	HENCH	LARRY	L	92-NC-017		ERSTFELD
	THOMSON	EWEN	M	92-NL-032		STOBIE
	BEDELL	HAPOLD	E	92-NL-093		TANGNEY
	HUSSAIN	FAZLE		92-NA-019		SAKELL
	AGGARWAL	S	K	92-NM-077		NACHMAN
	SUCKMASTER	JOHN	D	92-NA-123	A	TISHKOFF
	CAROLL	ROBERT		92-NM-102		NACHMAN
	CHUDOVSKY	ALEXANDER		92-NM-178		NACHMAN
	DONCHIN	EMANUEL		92-NA-081		WU
UNIV OF ILLINOIS	EDEN	GARY		92-NL-016	A	LEWIS
	GEIL	PHILLIP	D	92-NE-062		FREGLY
	GELLMAN	ANDREW	H	92-NE-173		SCHLOSSBER
	KRIER	HERMAN	J	92-NC-123		CRAIG
	KRIVEN	WALTRAUD		92-NC-014		LEE
	LIU	JANE W. S.	M	92-NC-066		ERSTFELD
	MAZUMDER	JYOTI		92-NC-072		BIRKAN
	MORKOC	HADIS		92-NC-065		BURGGRAF
				92-NC-072		WAKSMAN
				92-NC-065		ROSENSTEIN
UNIV OF MICHIGAN	WENTON	PAUL	K	92-NE-036		WITT
	PLEWA	MICHAEL		92-NE-041		WITT
	RHODES	CHARLES	J	92-NE-126	A	WITT
	TRENNY	MICHAEL	K	92-NE-041		WU
				92-NA-065		NACHMAN
				92-NM-116		CERVENY
				92-NL-032		SCHLOSSBER
				92-NE-099		ERSTFELD
				92-NC-079		

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UNIV OF CALIF	KLEPPER	PAUL		92-NC-089		EPSTFELD
	KLEPPER	GEORGE		92-NC-102	A	EPSTFELD
	KLEPPER	MARK		92-NC-090		BERMAN
	KLEPPER	MARK		92-NC-016		NACHMAN
UNIV OF KANSAS	KLEPPER	DAVID		92-NC-111		BERMAN
	KLEPPER	DAVID		92-NC-076		WU
	KLEPPER	DAVID		92-NC-063		RAJOSKI
	KLEPPER	DAVID		92-NC-132		BURGGRAB
UNIV OF KENTUCKY	KLEPPER	DAVID		92-NC-157		POMRENKE
	KLEPPER	DAVID		92-NC-121		SAKELL
	KLEPPER	DAVID		92-NC-123		NACHMAN
	KLEPPER	DAVID		92-NC-060	D	STOBIE
UNIV OF KENTUCKY RESEARCH FOUNDATION	KLEPPER	DAVID		92-NC-076		STOBIE
	KLEPPER	DAVID		92-NC-059	D	STOBIE
	KLEPPER	DAVID		92-NC-075		STOBIE
	KLEPPER	DAVID		92-NC-015		LEWIS
UNIV OF LOVELL	KLEPPER	DAVID		92-NC-064		LEE
	KLEPPER	DAVID		92-NC-100		LEE
	KLEPPER	DAVID		92-NC-105	A	SJOGREN
	KLEPPER	DAVID		92-NC-094		SUDDARTH
UNIV OF MAINE	KLEPPER	DAVID		92-NC-081		CRAIG
	KLEPPER	DAVID		92-NC-013		HADDAD
	KLEPPER	DAVID		92-NC-033		PARKER
	KLEPPER	DAVID		92-NC-038		NACHMAN
UNIV OF MARYLAND	KLEPPER	DAVID		92-NC-029	A	BARKER
	KLEPPER	DAVID		92-NC-144		BARKER
	KLEPPER	DAVID		92-NC-153		JACOBS
	KLEPPER	DAVID		92-NC-030		KELLEY
UNIV OF MARYLAND, BALTIMORE CAMPUS	KLEPPER	DAVID		92-NC-003	A	KELLEY
	KLEPPER	DAVID		92-NC-023		KELLEY
	KLEPPER	DAVID		92-NC-031		SCHLOSSER
	KLEPPER	DAVID		92-NC-107		SJOGREN
UNIV OF MARYLAND, BALTIMORE COUNTY	KLEPPER	DAVID		92-NC-057		TANGNEY
	KLEPPER	DAVID		92-NC-157		SJOGREN
	KLEPPER	DAVID		92-NC-015		KELLEY
	KLEPPER	DAVID		92-NC-104		LUPU
UNIV OF MASSACHUSETTS	KLEPPER	DAVID		92-NC-179		WAKSMAN
	KLEPPER	DAVID		92-NC-182		WAKSMAN
	KLEPPER	DAVID		92-NC-069		TANGNEY
	KLEPPER	DAVID		92-NC-024		LEWIS
UNIV OF MASSACHUSETTS	KLEPPER	DAVID		92-NC-188		WAKSMAN
	KLEPPER	DAVID		92-NC-103		WAKSMAN
	KLEPPER	DAVID		92-NC-172		SUDDARTH
	KLEPPER	DAVID		92-NC-102		CERVENY
UNIV OF MASSACHUSETTS	KLEPPER	DAVID		92-NC-033		HADDAD
	KLEPPER	DAVID		92-NC-054		HADDAD
	KLEPPER	DAVID		92-NC-095	D	HADDAD
	KLEPPER	DAVID		92-NC-148		WEINSTOCK

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UNIV OF MICHIGAN	SKRUTSKIE	MICHAEL	F	92-NL-112		RAJDSKI
	SKHAVAY	PAYMAH		92-VA-100		MCMICHAEL
	THATTACHARYA	PALLAS	K	92-NE-057		WITT
	TELELLS	JOHN	C	92-NC-042		ROSENSTEIN
	TUTTA	DEBASISH		92-VM-062		GLASSMAN
	WJDSH	WITT	K	92-NC-130		ROSENSTEIN
	SILJENSEN	RONALD		92-NE-032		BARKER
	SOAD	LINDA	M	92-NE-065		BARKER
	WRYCIN	ROMAN	S	92-NL-097		CERVENY
	KATEHI	LINDA	C	92-VA-133		LEWIS
	KILLEEN	FIN	L	92-NE-171		WITT
	LATNE	PICHARD	M	92-NL-117		STOBIE
	MOUPOU	GERARD	A	92-NC-024		ERSTFELD
	PIERRE	CHRISTOPHE		92-VE-099		WITT
	PAND	STEPHEN	C	92-NA-062		WU
UNIV OF MINNESOTA	SHIV	KANG	G	92-NE-009		SCHLOSSER
	SINGH	JASOIT		92-NE-072		LUPU
	TENKETTIS	DEMOSTHENIS		92-NE-063		CRAIG
	BATES	FRANK	S	92-NC-115		JACCS
	COHEN	PHILIP	T	92-NE-093		LEE
	DAMBERS	EARL	C	92-NE-089		PORENKE
	HECARTNEY	NAPTHA	L	92-NC-067		WEINSTOCK
	SIMON	TERRENCE	M	92-NA-046		ERSTFELD
	TEWICK	AHMED	M	92-VM-037		FANT
	CHICONE	CARMEN		92-VM-027	A	SJOGREN
	HANDEL	PETER	M	92-NE-091	A	LUPU
	KAHAMAN	MCHAMED		92-NE-153		WITT
	KRISHNABURAN	PAGHU	N	92-NC-035		BURGGRAF
	OFCEP	PETER		92-VM-092		WAKSMAN
	PURI	RAVI		92-VM-134		WAKSMAN
UNIV OF NEBRASKA	WILLETT	JOSEPH	K	92-NL-022		CERVENY
	PHATTACHARYA	PRASIR	E	92-NL-049		CERVENY
				92-VM-115		NACHMAN
				92-VM-145		WAKSMAN
				92-VM-122		SJOGREN
				92-VM-149		NACHMAN
				92-VM-127		JACOBS
				92-NA-005		JACOBS
				92-NE-027		WU
				92-NE-085	A	SCHLOSSER
				92-NE-094		CRAIG
				92-NA-120		WU
				92-NC-040		BURGGRAF
				92-NA-067		WU
				92-VC-093		LEE
UNIV OF NEW ORLEANS UNIV OF NORTH CAROLINA	MICHALENIC	TEIGNIEW		92-VM-129		GLASSMAN

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UNIV OF NOTRE DAME	PROVAN	J. SCOTT		92-NM-121	0	GLASSMAN
	BATILL	STEVEN	M	92-NM-096		JACOBS
	WELSON	ROBERT	C	92-NM-089		FANT
	CEPOD	WOLFGANG		92-NM-042		POMRENKE
	WHITE	LUTHER	M	92-NM-136		JACOBS
	BAUCSY	RUZENA		92-NM-088		WAKSMAN
	EUCHSEUM	GERSON	P	92-NL-052		TANGNEY
	DAILEY	WILLIAM	F	92-NC-009		BERMAN
	GAPIC	ANTHONY	F	92-NC-116		LEE
	KASSAM	SALEEM	A	92-NM-047		NACHMAN
UNIV OF PITTSBURGH	PRYAES	NOAH	S	92-NM-089		WAKSMAN
	VENKATESH	SANTOSH	S	92-NM-041		SUDDARTH
	ASHER	SAMFORD	A	92-NC-033		ERSTFELD
	CHIARULLI	DONALD	M	92-NC-079		CRAIG
	CHRYKE	WOLFGANG	J	92-NE-122		POMRENKE
	LEVITAN	STEVE	P	92-NE-052		CRAIG
	MACIEJEWSKI	PAUL	K	92-NE-086		FANT
	PETIT	FRED	S	92-NA-016		ROSENSTEIN
	WEINER	GRAC	R	92-NC-074		BERMAN
	GHENIEM	H		92-NC-101		JONES
UNIV OF ROCHESTER	YUMARESAN	R.	S	92-NA-087		SJOGREN
	LATIMER	JAMES	F	92-NM-015		CERVENY
	ALLEN	JAMES	S	92-NL-085		WAKSMAN
	SZOLEWSKI	ROMAN	G	92-NM-180		WEINSTOCK
	DELVECCHIO	VITO	P	92-NE-102	A	BOLAND
	CALTON	LARRY	A	92-NL-003		LEE
	ERWIN	DANIEL	R	92-NC-029		SAKELL
	FJPREST	STEPHEN		92-NA-132		POMRENKE
	KDEL	BRUCE	F	92-NE-144		CRAIG
	WADHUKAR	ANUPAM	H	92-NE-055		ERSTFELD
UNIV OF SURREY	MCCUPPY	ALAN	G	92-NC-070		POMRENKE
	REDEKOPP	LARRY	S	92-NE-097		BARKER
	WITTIG	CURT	G	92-NE-017		MCMICHAEL
	GIBSON	G	S	92-NA-101		BERMAN
	ALEXEFF	IGOR		92-NC-049	A	CERVENY
	MANANTOV	GLEB		92-NL-039		BARKER
	SAYLEP	GARY	S	92-NE-146		WILKES
	BENNIGHOE	JEFFREY	X	92-NC-021		WILKES
	KALLINDERIS	JOHN		92-NL-121		CERVENY
	KWONG	DIM-LEE		92-NL-087		HU
UNIV OF TEXAS	POWERS	EDWARD	J	92-NA-056		SAKELL
	SANCHEZ	ISAAC	C	92-NE-068		POMRENKE
	SHWALTER	R	F	92-NE-125	A	WITT
	BYRNE	JOHN	M	92-NE-056		LEE
	FELDMETER	JOHN	J	92-NM-176		NACHMAN
				92-NL-055		HADAC
				92-NL-104	A	CERVENY

UNIV OF TEXAS HEALTH SCIENCE CTR

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UNIV OF TEXAS, EL PASO

UNIV OF UTAH

UNIV OF VERMONT

UNIV OF VIRGINIA

UNIV OF WASHINGTON

UNIV OF WISCONSIN

UNIV OF WYOMING
UNIVERSITY OF IDAHO

UTAH STATE UNIVERSITY
VANDERBILT UNIVERSITY
VIRGINIA POLYTECHNIC INST & STATE UNIV

WARNER ROBINS AIR LOGISTICS CENTER
WASHINGTON STATE UNIVERSITY

INVESTIGATOR

LAST NAME FIRST NAME MIDDLE

SLICKMAN DAVIDOLPH J
KELLEY GEORGE R
PACORNELL MIGUEL
GOLDEN KENNETH
WIGHT CREST
WOLFE CHARLES A
GOLDEN KENNETH J
CUSHSTUM KURT E
GALLAGHER THOMAS F
WORSIN CORNELIUS J
LASIECKA IRENA
WENAKER MICHAEL K
MOER AHMED
TAKER MARCIA J
ENGEL THOMAS W
JARBOE THOMAS R
KUPCSAKA MITSURU
TAYA MINORU
CRIM E. FLEMING
GLEWBERG ARTHUR M
KAMMER DANIEL C
KOU SINDO L
WANGASARJAN ELVIE E
ADJUMAN JAMES E
SCHAPER JOHN L
VAN EAALEN JEFFREY W
CRAMFORD ROYALD
SHREEVE JEANNE

DOWELL JAMES A
WICKWAR VINCENT E
TAKAC PETER R
ANDERSON MARK A
BURNS JOHN A
GUNZBURGER MAX C
HANUSSEN KENNETH E
KOHLER WERNER E
MAYHEM ALI L
REIFSNIDER K. L
FOGERTS CRAIG A
TELIONIS DEMETRI D
ALTERS ROBERT A
REGISTER DANIEL C
MSU CHIN S
RAMAPRIAN S P
SELAFAYADI PAUL
WHITNEY PAUL

STATUS

PM NAME

CERVENY
STOBIE
LEWIS
NACHMAN
WEINSTOCK
BERMAN
FREGLY
NACHMAN
KELLEY
NACHMAN
NACHMAN
HADDAD
WU
STOBIE
BURGGRAF
BARKER
FANT
JONES
BERMAN
FREGLY
NACHMAN
LEE
GLASSMAN
WEINSTOCK
BARKER
WAKSYAN
CORNETTE
HEDBERG
NACHMAN
STOBIE
NACHMAN
WILKES
JACOBS
JACOBS
JACOBS
NACHMAN
WU
BURGGRAF
WU
FANT
SAKELL
WU
BOLAND
FANT
FANT
FREGLY

PROPOSAL

92-NL-067
92-NL-091
92-NA-029
92-NM-140
92-NE-058
92-NC-110
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92-NM-117
92-NM-034
92-NE-095
92-NM-065
92-NM-170
92-NL-065
92-NA-023
92-NL-003
92-NC-030
92-NE-022
92-NA-034
92-NA-057
92-NC-037
92-NL-043
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92-NC-134
92-NM-011
92-NE-060
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92-NA-012
92-NA-050
92-NL-050

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INSTITUTION	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PI NAME
WASHINGTON UNIVERSITY	BYRNES	CHRISTOPHER		92-WM-143		JACCES
	KATZ	I. YORWAN		92-WM-073		NACHMAN
WELLESLEY COLLEGE	PROYOF	ALIS	Y	92-WM-137		JACCES
	PODIN	ERVIN		92-WM-052	D	CERVENY
WESLEYAN UNIVERSITY	STARK	GLENN		92-WM-076		NACHMAN
	CORRING	DALE	L	92-WM-142		GLASSMAN
WEST VIRGINIA UNIV. RESEARCH CORPORATION	LYNCH	DALE	F	92-NE-160		KELLEY
	PETERSON	GEORGE	A	92-NE-159		POMRENKE
WEST VIRGINIA UNIVERSITY	GINGOLD	HARRY		92-NL-040		HADDAD
	HILTON	ANTHONY J.		92-NC-119		BURGGRAB
WEST VIRGINIA UNIVERSITY	LJO	SADRYNG		92-WM-029		NACHMAN
	HALLIBURTON	LARRY		92-WM-113		NACHMAN
WESTERN MICHIGAN UNIVERSITY	HORNAK	LAWRENCE		92-WM-010		GLASSMAN
	WSTEN	PO-FANG		92-WM-129		GLASSMAN
WESTERN WASHINGTON UNIVERSITY	LANDIS	WAYNE		92-NE-121		POMRENKE
	ELCRAT	ALAN		92-WM-026		CRAIG
WILFORD HALL MEDICAL CENTER	WARTINGALE	VALERIE		92-WM-051		JACCES
	WARK	MARK		92-WM-001		CERVENY
WOODS HOLE OCEANOGRAPHIC INSTITUTE	RYSDALD	RYSDALD		92-WM-099	A	NACHMAN
	K.	K.		92-NL-083		CERVENY
WORCESTER POLYTECHNIC INSTITUTE	ARASU	RED		92-WM-157		CERVENY
	JABER	NICHOLAS		92-WM-025		SCHLOSSER
WRIGHT STATE UNIVERSITY	VASS	DANIEL		92-WM-191		SJOGREN
	WEISS	ESSAC		92-WM-086		SJOGREN
XOMET, INC.	WYNCH	RICHARD		92-WM-019		CERVENY
	CAREW	THOMAS		92-NC-075		SJOGREN
YALE UNIVERSITY	FILENTER	DAVID		92-VC-129	A	ROSENSTEIN
	WODDY	JOHN		92-VL-028		PERRAM
YALE UNIVERSITY SCHOOL OF MEDICINE	WENDRAI	ARYE		92-WM-053		HADDAD
	SPRENNIVASAN	KATEPALLI		92-WM-079		LUPU
YALE UNIVERSITY	DAVIS	MICHAEL		92-WM-074		SUDDARTH
				92-WM-022	A	SUDDARTH
YALE UNIVERSITY				92-WM-032		SJOGREN
				92-WM-041	A	MCMICHAEL
YALE UNIVERSITY						HADDAD

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
INVESTIGATION OF CRACK PATH FORMATION MECHANISM IN NONHOMOGENEOUS MATERIALS AND FRACTURE ASSESSMENT FOR CURVE-CORNER CRACK PATH TULANE UNIVERSITY	ASHER RUBINSTEIN	M 36 07/10/91 \$244,173	JONES 92-NA-005	
(AASERT) EFFECT OF PARTICLE SHAPE ON GRANULAR MATERIAL BEHAVIOR UNIV OF LOWELL	TING JOHN	M 12 23/10/91 \$46,330	LEWIS 92-NA-016	
VORTEX RECONNECTION AND OTHER RELATED ASPECTS OF SUPERSONIC FLOWS UNIV OF HOUSTON	HUSSAIN FAZLE	M 36 28/10/91 \$441,527	SAKELL 92-NA-019	
EFFECTIVE COMPUTATIONAL STRATEGY FOR PREDICTING THE RESPONSE OF COMPLEX SYSTEMS UNIV OF VIRGINIA	NOOR AHMED	M 12 23/10/91 \$5,000	A WU 92-NA-023	\$5,000 01/11/91 \$5,000
(AASERT) AERO-THERMODYNAMIC DISTORTION INDUCED STRUCTURE DYNAMIC RESPONSE OF MULTISTAGE TURBOMACHINERY BLADING PURDUE UNIVERSITY	ELESTER SANFORD	M 24 23/10/91 \$155,664	FANT 92-NA-030	
(AASERT) THE PASSIVE SCALAR FIELD, AND HIGH-GAUSSIANITY IN TURBULENT FIELDS YALE UNIVERSITY	SREENIVASAN KATEPALLI	M 24 28/10/91 \$255,336	MCMICHAEL 92-NA-032	
(AASERT) CHARACTERIZATION AND SIMULATION OF DAMAGE BEHAVIORS IN FIBER-REINFORCED CERAMIC MATRIX COMPOSITES Drexel University	WANG ALBERT	M 36 30/10/91 \$123,065	JONES 92-NA-040	
(AASERT) AUGMENTATION AWARD IN SUPPORT OF GAS TURBINE HEAT TRANSFER STUDIES UNIV OF MINNESOTA	SIMON TERRENCE	M 24 21/10/91 \$154,756	FANT 92-NA-046	
(AASERT) ADAPTIVE ALGORITHM FOR MANEUVERING AIRCRAFT IN TURBULENT FLOW UNIV OF TEXAS	KALLINDERIS JOHN	M 24 21/10/91 \$71,715	SAKELL 92-NA-051	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
TRANSFERABILITY OF ADVANCED ULTRASONIC TECHNIQUES TO ATTENUATIVE COMPOSITES FOR DAMAGE DETECTION DREXEL UNIVERSITY	POPOVICS SANDOP	N 24 12/11/91 \$293,745	WU 92-NA-054	
CAASERT) EXPERIMENTAL RESEARCH ON PULSE RESPONSE BASED CONTROL FOR MANEUVER OF FLEXIBLE SPACECRAFT UNDER THE CDD ASERT PROGRAM UNIV OF TEXAS	JEFREY BENNIGHOE	N 36 12/11/91 \$102,462	WU 92-NA-056	
CAASERT) GRADUATE STUDENT SUPPORT FOR STUDIES OF ROCKET COMBUSTION CHEMISTRY AND COMBUSTION INSTABILITY UNIV OF COLORADO	MELVIN BRANCH	N 36 12/11/91 \$162,669	SIRKAN 92-NA-050	
CAASERT) NORMAL MODES AND MODAL ANALYSIS FOR NONLINEAR STRUCTURAL SYSTEMS UNIV OF MICHIGAN	PIERRE CHRISTOPHE	N 36 12/11/91 \$100,305	WU 92-NA-062	
CAASERT) EXPERIMENTAL STUDIES OF MECHANICAL SYSTEMS UNDER COMBINED HARMONIC AND STOCHASTIC EXCITATIONS UNIV OF ILLINOIS	NAMACHCHIVAYA S	N 34 12/11/91 \$0	WU 92-NA-065	
CAASERT) EXPERIMENTAL CALIBRATION OF NON-EQUILIBRIUM ARC-JET FLOW MODELS UNIV OF ILLINOIS	KRIER HERMAN	N 36 12/11/91 \$163,507	SIRKAN 92-NA-066	
CAASERT) CRACK LAYER STABILITY ANALYSIS AND CRITERIA OF BRITTLE OR DUCTILE FAILURE UNIV OF ILLINOIS	ALEXANDER CHUDNOVSKY	N 24 13/11/91 \$149,934	WU 92-NA-072	
CAASERT) SUBMICROSCOPIC DEFORMATION OF CONCRETE IN COMPRESSION UNIV OF KANSAS	DARWIN DAVID	N 24 13/11/91 \$122,650	WU 92-NA-076	
CAASERT) EFFECT OF MOLECULAR WEIGHT AND AGING ON FRACTURE TOUGH- NESS OF POLYCARBONATE UNIV OF ILLINOIS	ALEXANDER CHUDNOVSKY	N 24 13/11/91 \$151,360	LEWIS 92-NA-031	

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(AASERT) MICROMECHANICAL MODELS OF STRENGTH STATISTICS OF RANDOM COMPOSITE MATERIALS PURDUE UNIVERSITY	EDMAN	N 36 13/11/91 \$219,075	JONES 92-NA-034	
(AASERT) NOVEL CALCULATION METHODS FOR UNSTEADY SEPARATION LEHIGH UNIVERSITY	WALKER	N 24 14/11/91 \$110,755	FANT 92-NA-091	
(AASERT) SURFACE MODIFICATIONS RELEVANT TO FLOW STRUCTURE CONTROL LEHIGH UNIVERSITY	SMITH	N 24 15/11/91 \$135,195	FANT 92-NA-092	
(AASERT) ADVANCED IMAGING TECHNIQUES FOR FLOWS PAST SWEPT WINGS LEHIGH UNIVERSITY	POCKWELL	N 24 15/11/91 \$127,503	FANT 92-NA-093	
(AASERT) HIGH PERFORMANCE COMPUTATION OF AEROELASTIC PROBLEMS UNIV OF COLORADO	MCSRYAN	N 24 13/11/91 \$301,070	SAKELL 92-NA-098	
(AASERT) SMALL SCALE DYNAMICS AND MIXING IN TURBULENT SHEAR FLOWS UNIV OF MICHIGAN	AKHAVAN	N 24 13/11/91 \$153,079	MCMICHAEL 92-NA-100	
(AASERT) THE EFFECTS OF HEATING, STREAMWISE CURVATURE AND NOZZLE GEOMETRY ON THE WALL JET UNIV OF ARIZONA	WYGANSKI	N 24 13/11/91 \$255,136	MCMICHAEL 92-NA-102	
(AASERT) JETS INDUCED BY SURFACE-MOUNTED PIEZOELECTRIC ACTUATORS UNIV OF ARIZONA	GLEXER	N 24 13/11/91 \$147,996	MCMICHAEL 92-NA-103	
(AASERT) INTERACTIVE APPROACHES FOR TURBULENT FLOW-WALL BOUNDARY LAYERS LEHIGH UNIVERSITY	WALKER	N 24 13/11/91 \$110,755	MCMICHAEL 92-NA-105	

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NOVEL DIAGNOSTIC TECHNIQUES AND ACTUATOR TECHNOLOGY TO TURBULENT SHEAR FLOWS UNIV OF ARIZONA	GLEZER	N 24 20/11/91 \$253,713	MC MICHAEL 92-NA-137	
A PROPOSAL FOR OPTIMAL AND SUBOPTIMAL PLACEMENT OF ACTUATORS AND SENSORS HOWARD UNIVERSITY	CHUCHURY	N 12 25/11/91 \$59,134	WU 92-NA-114	
TOWARDS UNDERSTANDING TURBULENT SUPERSONIC BOUNDARY LAYERS UNIV OF ARIZONA	FASEL	N 36 05/12/91 \$200,559	SAKELL 92-NA-113	
NUMERICAL ANALYSIS OF TIME DEPENDENT TWO-PHASE NON-REACTING FLOWS UNIV OF ILLINOIS	AGGARWAL	N 12 11/12/91 \$34,770	A TISHKOFF 92-NA-123	\$34,770 01/04/92 \$34,770
CAASEET) INTERFACE MECHANICS OF PARTICULATE MEDIA WITH RIBBED INCLUSIONS UNIV OF MICHIGAN	HRYSIM	N 12 23/12/91 \$13,411	LEWIS 92-NA-133	
HIGHLY ACCURATE PREDICTION OF UNSTEADY VISCOUS FLOWS GRUMMAN AEROSPACE CORP	MARCONI	N 12 17/12/91 \$100,037	SAKELL 92-NA-125	
STRUCTURAL RESPONSE OF OXIDATION RESISTANT CARBON-CARBON COMPOSITES UNDER CYCLIC AND MONOTONIC LOADING TEXAS ENGINEERING EXPERIMENT CENTER	OCHOA	N 36 18/12/91 \$324,451	JONES 92-NA-128	
CONTROL DESIGN FOR EVOLUTIONARY STRUCTURAL SYSTEMS TEXAS ENGINEERING EXPERIMENT CENTER	KURDILA	N 37 18/12/91 \$212,313	WU 92-NA-129	
RESEARCH IN MECHANICS AND CONTROL OF NON-LINEAR STRUCTURAL SYSTEMS TEXAS ENGINEERING EXPERIMENT CENTER	JUNKINS	N 36 27/12/91 \$307,833	WU 92-NA-136	

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INSTITUTION

INVESTIGATOR

WORKSHOP ON MULTIPLE SITE DAMAGE IN AGING AIRCRAFT

ARMER JOHNS AIR LOGISTICS CENTER

REGISTERED

CANIEL

(ASERT) UNOBTAINED CREEP BEHAVIOR OF CLAYEY SOILS

UNIV OF TEXAS, EL PASO

PICORNELL

MIGUEL

INTERNATIONAL WORKSHOP ON STRUCTURAL INTEGRITY OF AGING AIRPLANES

GEORGIA INSTITUTE OF TECH

ATLUPH

SATYA

(ASERT) LIFE PREDICTION CONCEPTS FOR CIVIL: STUDENT AUMENTATION

GEORGIA INSTITUTE OF TECH

MCDONWELL

DAVID

MECHANICS OF SHRINKAGE DURING PROCESSING OF CARBON-CARBON COMPOSITES

JORTNER RESEARCH & ENGINEERING, INC.

JORTNER

JULIUS

(ASERT) FLOW-VECTERING CONTROL IN JETS AND WAKES

UNIV OF SOUTHERN CALIFORNIA

REDEKCOO

LARRY

(ASERT) CODE VALIDATION FOR NONEQUILIBRIUM FLOWS

UNIV OF SOUTHERN CALIFORNIA

ERWEN

DAVID

(EPSCOR) COMPRESSIBLE FLOW TURBULENCE SIMULATION AND MODELING VIA ADDITIVE TURBULENT DECOMPOSITION

UNIV OF KENTUCKY RESEARCH FOUNDATION

MCDONOUGH

JAMES

STUDIES OF VORTEX DYNAMICS AND SEPARATION OVER PITCHING WINGS

WASHINGTON STATE UNIVERSITY

PAMAPPIAN

S P

TITLE	INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
WORKSHOP ON MULTIPLE SITE DAMAGE IN AGING AIRCRAFT	ARMER JOHNS AIR LOGISTICS CENTER	REGISTERED	N 04 07/11/91 \$15,000	A HU 92-NA-055	\$15,000 15/11/91 \$15,000
(ASERT) UNOBTAINED CREEP BEHAVIOR OF CLAYEY SOILS	UNIV OF TEXAS, EL PASO	PICORNELL	N 24 23/10/91 \$49,092	LEWIS 92-NA-029	
INTERNATIONAL WORKSHOP ON STRUCTURAL INTEGRITY OF AGING AIRPLANES	GEORGIA INSTITUTE OF TECH	ATLUPH	N 03 04/11/91 \$5,000	HU 92-NA-053	
(ASERT) LIFE PREDICTION CONCEPTS FOR CIVIL: STUDENT AUMENTATION	GEORGIA INSTITUTE OF TECH	MCDONWELL	N 36 13/11/91 \$145,350	JONES 92-NA-074	
MECHANICS OF SHRINKAGE DURING PROCESSING OF CARBON-CARBON COMPOSITES	JORTNER RESEARCH & ENGINEERING, INC.	JORTNER	N 36 13/12/91 \$300,294	JONES 92-NA-131	
(ASERT) FLOW-VECTERING CONTROL IN JETS AND WAKES	UNIV OF SOUTHERN CALIFORNIA	REDEKCOO	N 24 19/11/91 \$115,338	MCMICHAEL 92-NA-101	
(ASERT) CODE VALIDATION FOR NONEQUILIBRIUM FLOWS	UNIV OF SOUTHERN CALIFORNIA	ERWEN	N 12 23/12/91 \$385,779	SAKELL 92-NA-132	
(EPSCOR) COMPRESSIBLE FLOW TURBULENCE SIMULATION AND MODELING VIA ADDITIVE TURBULENT DECOMPOSITION	UNIV OF KENTUCKY RESEARCH FOUNDATION	MCDONOUGH	N 24 09/12/91 \$167,543	SAKELL 92-NA-121	
STUDIES OF VORTEX DYNAMICS AND SEPARATION OVER PITCHING WINGS	WASHINGTON STATE UNIVERSITY	PAMAPPIAN	N 36 21/10/91 \$282,501	FANT 92-NA-012	\$80,000 15/01/92 \$282,501

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED -AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) EXPERIMENTAL RESEARCH ON THREE-DIMENSIONAL UNSTEADY FLOW FIELDS WASHINGTON STATE UNIVERSITY	PAPAPIRIAN	N 24 12/11/91 \$145,765	FANT 92-NA-030	
(AASERT) EXPERIMENTS IN TURBULENT SPRAY COMBUSTION UNIV OF CALIFORNIA	KENNEDY	N 36 07/10/91 \$111,593	TISHKOFF 92-NA-004	
MECHANICS OF LOCALIZED DEFORMATION OF SOLIDS UNDER CYCLIC MECHANICAL AND THERMAL LOADINGS UNIV OF CALIFORNIA	LIN	N 36 03/10/91 \$245,030	A WU 92-NA-007	\$78,757 01/02/92 \$245,030
FEEDBACK CONTROL OF VORTEX FLOWS UNIV OF CALIFORNIA	MONKEWITZ	N 36 11/10/91 \$218,390	MCMICHAEL 92-NA-010	
(AASERT) EXPERIMENTAL INVESTIGATION OF STABILITY AND INSTABILITY OF SAND UNIV OF CALIFORNIA	LACE	N 24 01/10/91 \$230,739	LEWIS 92-NA-042	
(AASERT) STUDY OF MICROMACHINERY - AN EMERGING TECHNOLOGY UNIV OF CALIFORNIA	HO	N 24 01/10/91 \$155,019	MCMICHAEL 92-NA-049	
(AASERT) LOCALIZED DEFORMATION IN POLYCRYSTALLINE SOLIDS UNDER MONOTONIC AND CYCLIC LOADINGS UNIV OF CALIFORNIA	LIN	N 24 13/11/91 \$124,512	WU 92-NA-068	
(AASERT) EFFECTS OF FABRIC ANISOTROPY AND MICROSTRUCTURE ON STRAIN LOCALIZATION IN GRANULAR MATERIALS UNIV OF CALIFORNIA	NEMAT-NASSER	N 24 13/11/91 \$163,621	LEWIS 92-NA-079	
STUDY OF FLUID-DYNAMICS WITH INTEGRATED MICRO-SENSORS UNIV OF CALIFORNIA	HO	N 24 02/11/91 \$292,908	MCMICHAEL 92-NA-108	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
MANIPULATION OF AEROSOL RESPONSE IN AN UNSTEADY STREAM UNIV OF CALIFORNIA	WU	N 36 21/11/91 \$325,230	A FANT 92-NA-111	\$120,221 01/02/92 \$385,230
INTEGRABLE AND CHAOTIC MOTION OF A SOLID BODY THROUGH A FLUID UNIV OF CALIFORNIA, SAN DIEGO	AREE	N 36 21/11/91 \$225,376	MCMICHAEL 92-NA-109	
(CASSERT) EXPERIMENTAL STUDY OF LOCALIZED DAMAGE IN TC WMC AT ELEVATED TEMPERATURE CONDITIONS UNIV OF RHODE ISLAND	GHONIEH	N 26 13/11/91 \$152,255	JONES 92-NA-087	
(CASSERT) TIME ACCURATE AERELASTIC COMPUTATIONAL METHODS FOR WING ANALYSIS NORTH CAROLINA STATE UNIVERSITY	MCPLS	N 24 31/10/91 \$229,736	SAKELL 92-NA-043	
IDEALIZATION CONTROL TECHNIQUES FOR THE ANALYSIS OF HETEROGENEOUS MEDIA RENSSELAER POLYTECHNIC INSTITUTE	SHEPARD	A 36 21/10/91 \$455,539	WU 92-NA-015	
(CASSERT) IDEALIZATION CONTROL TECHNIQUES FOR THE ANALYSIS OF HETEROGENEOUS MEDIA RENSSELAER POLYTECHNIC INSTITUTE	SHEPARD	N 26 25/10/91 \$199,952	WU 92-NA-035	
(CASSERT) STUDENT RESEARCH IN METALLIC FUEL COMBUSTION KINETICS RENSSELAER POLYTECHNIC INSTITUTE	FONTIJN	N 36 23/10/91 \$153,700	SIRKAN 92-NA-036	
COMBUSTION KINETICS OF HEDMS AND METALLIC FUELS RENSSELAER POLYTECHNIC INSTITUTE	FONTIJN	N 36 25/11/91 \$465,942	A SIRKAN 92-NA-113	\$110,286 01/03/92 \$338,375
(CASSERT) A CONCEPTUAL MODEL OF VORTEX BREAKDOWN UNIV OF NOTRE DAME	NELSON	N 24 14/11/91 \$68,178	FANT 92-NA-089	

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TITLE (TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/AMOUNTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
ATOMIZATION OF VISCOUS LIQUID SHEETS TUSKEGEE INSTITUTE	IBRAHIM ESSAM	N 36 13/11/91 \$116,235	A TISHKOFF 92-NA-115	\$44,311 01/03/92 \$116,235
ATOMIZATION OF VISCOUS LIQUID SHEETS TUSKEGEE INSTITUTE	IBRAHIM ESSAM	N 36 13/12/91 \$116,235	TISHKOFF 92-NA-130	
(AASERT) RESEARCH TRAINING IN SPACECRAFT DYNAMICS, STABILITY & CONTROL PENNSYLVANIA STATE UNIVERSITY	AMOS ATHOLLY	N 36 23/10/91 \$120,746	WU 92-NA-033	
(AASERT) DOMAIN PROCESSES IN FERROELECTRIC CERAMICS PENNSYLVANIA STATE UNIVERSITY	CROSS L ERIC	N 25 31/10/91 \$109,513	WU 92-NA-048	
(AASERT) INSTABILITIES AND MODEL INTERACTIONS IN THE DYNAMICS OF NONLINEAR STRUCTURES PENNSYLVANIA STATE UNIVERSITY	CUSUMANO JOSEPH	N 24 13/11/91 \$187,307	WU 92-NA-070	
(AASERT) SURFACE REACTIVITY OF COMBUSTION GENERATED Soot PARTICLES PENNSYLVANIA STATE UNIVERSITY	SANTORO ROBERT	N 36 13/11/91 \$153,254	TISHKOFF 92-NA-082	
(AASERT) FLAME-TURBULENCE INTERACTIONS PENNSYLVANIA STATE UNIVERSITY	SANTAVICCA DOMENIC	N 36 13/11/91 \$159,334	TISHKOFF 92-NA-086	
(AASERT) SWIRL EFFECTS ON COAXIAL INJECTOR ATOMIZATION PENNSYLVANIA STATE UNIVERSITY	SANTORO ROBERT	N 36 13/11/91 \$131,092	BIRKAN 92-NA-088	
(AASERT) CONTROL AND MANAGEMENT OF UNSTEADY AND TURBULENT FLOWS ILLINOIS INSTITUTE OF TECHNOLOGY	NAGIB HASSAN	N 36 13/11/91 \$144,515	TISHKOFF 92-NA-090	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
DOCUMENTATION AWARDS FOR PHYSICAL CHEMISTRY STUDENTS UNIV OF DENVER	COOMBE ROBERT	N 12 03/10/91 \$41,648	BERMAN 92-NC-036	
RESEARCH TRAINING IN SURFACE SCIENCE UNIV OF CHICAGO	SIEFNER STEVEN	N 12 17/10/91 \$59,215	ERSTFELD 92-NC-010	
FLUORINATED SURFACE SPECIES IN "PIEDICITY UNIV OF ILLINOIS	GELLMAN	N 12 17/10/91 \$63,117	ERSTFELD 92-NC-014	
OPTICAL COMPOSITES UNIV OF FLORIDA	HENCH LARRY	N 12 21/10/91 \$51,376	ERSTFELD 92-NC-017	
TAILORED INORGANIC AND ORGANOMETALLIC POLYMERS UNIV OF MICHIGAN	LAINÉ RICHARD	N 12 22/10/91 \$20,616	ERSTFELD 92-NC-024	
SPECTROELECTROCHEMICAL INVESTIGATIONS OF MOLTEN HALIDE SOLUTION UNIV OF TENNESSEE	MAMANTOV GLEB	N 12 28/10/91 \$22,740	WILKES 92-NC-031	
ENERGY TRANSFER PROCESSES OF RELEVANCE TO OXYGEN-IODINE AND OPTICALLY PUMPED LASERS EMORY UNIVERSITY	HEAVEN MICHAEL	N 12 23/10/91 \$21,329	BERMAN 92-NC-032	
FORMATION OF CERAMIC COMPOSITES BY SPINNING OF COATED REINFORCEMENT PARTICLES UNIV OF MISSOURI	KAHAMAN MOHAMED	N 12 29/10/91 \$49,671	BURGGRAPH 92-NC-035	
SPECTROSCOPY AND DYNAMICS OF VIBRATIONALLY EXCITED MOLECULES UNIV OF WISCONSIN	COIM F. FLEMING	N 12 29/10/91 \$51,086	BERMAN 92-NC-037	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
SYNCHROTRON STRAIN MAPPING STUDIES OF THE DEFORMATION OF SICRYSTALS UNIV OF MICHIGAN	PIELLE JAHN	N 12 01/10/91 \$106,770	ROSENSTEIN 92-NC-043	
DIATIONS AS HIGH ENERGY SPECIES: GRADUATE TRAINING IN CHEMICAL PHYSICS AT JILA UNIV OF COLORADO	LINSERGER H. CAPL	N 12 01/10/91 \$67,241	BERMAN 92-NC-047	
PHOTOPHYSICS AND PHOTOCHEMISTRY OF OLIGOSILANES UNIV OF COLORADO	MICHL JCSEF	N 12 01/10/91 \$57,537	HEDBERG 92-NC-048	
HYDROGEN BONDING INTERACTIONS IN POLYMERS UNIV OF TEXAS	SANCHEZ ISAAC	N 12 01/10/91 \$43,056	LEE 92-NC-056	
AUGMENTATION FOR RESEARCH IN SPACE MATERIALS UNIV OF DENVER	AMME ROBERT	N 36 01/11/91 \$104,751	BURGGRAPH 92-NC-057	
NEW METAL PROMPTED CHEMISTRY OF FLUORINATED ORGANIC MOLECULES CARTMOUTH COLLEGE	HUGHES RUSSELL	N 36 01/11/91 \$245,534	HEDBERG 92-NC-060	
MECHANICAL PROPERTIES OF CERAMIC COMPOSITES EXHIBITING TAILORED COMPLEX BIMODAL MICROSTRUCTURES LEHIGH UNIVERSITY	HARMER MARTIN	N 36 01/11/91 \$152,369	BURGGRAPH 92-NC-063	
DEVELOPMENT OF AN ULTRA-HIGH VACUUM ATOMIC FORCE MICROSCOPE UNIV OF MAINE	UNERTL WILLIAM	N 36 01/11/91 \$149,933	LEE 92-NC-064	
DIFFUSIVITY AND STRUCTURAL MODIFICATION OF NANOCRYSTALLINE AL- ALUMINIDES UNIV OF ILLINOIS	MAZUMDER JYOTI	N 36 01/11/91 \$193,948	ROSENSTEIN 92-NC-065	

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STRUCTURAL DEVELOPMENT IN VANADIUM PENTOXIDE AND POTASSIUM NIOBATE UNIV OF MINNESOTA	MCCARTNEY MARTHA	N 36 01/11/91 \$173,969	ERSTFELD 92-NC-067	
SYNTHESES AND PROCESSING OF ORGANICALLY-MODIFIED GLASSES AND OPTICAL AND ELECTRICAL APPLICATIONS UNIV OF ARIZONA	UHLMANN DONALD	N 36 01/11/91 \$269,317	ERSTFELD 92-NC-068	
MECHANICAL BEHAVIOR OF TRANSFORMATION TOUGHENED CERAMIC COMPOSITES UNIV OF ILLINOIS	KRIVEN ALTRAUD	N 36 04/11/91 \$192,664	BURGGRAB 92-NC-072	
THE NUCLEATION OF CRYSTALLINE FILMS FROM VAPOR PHASE REACTANTS BROWN UNIVERSITY	SHELCON SPIAN	N 36 04/11/91 \$165,562	BURGGRAB 92-NC-076	
STUDIES OF CARBON AND BORON SURFACES UNIV OF ILLINOIS	TRENARY MICHAEL	N 36 04/11/91 \$152,755	W ERSTFELD 92-NC-079	
DEVELOPMENT OF MULTIJUNCTIONAL MATERIALS UNIV OF CHICAGO	YU LUPING	N 36 15/11/91 \$343,369	LEE 92-NC-083	
STUDIES OF CARBONA AND BORON SURFACES UNIV OF ILLINOIS	TRENARY MICHAEL	N 35 20/11/91 \$51,268	ERSTFELD 92-NC-089	
STATE SELECTED PHOTOASSOCIATION: ULTRA-COLD ATOMIC "WALL- COLLISIONS" AND INTENSE LASER FIELD EFFECTS UNIV OF IOWA	KLEBER PAUL	N 36 21/11/91 \$256,400	BERMAN 92-NC-090	
GRAY 2 CALCULATIONS ON NITROGEN CLUSTERS UNIV OF FLORIDA	BARTLETT RODNEY	N 12 22/11/91 \$9,000	A BURGGRAB 92-NC-093	\$9,000 01/10/91 \$9,000

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CRAY 2 CALCULATIONS OF POTENTIAL ENERGY SURFACES FOR DICATIONS UNIV OF COLORADO	LIEBERGER W. CARL	N 12 22/11/91 \$1,500	A SURGGRAF 92-NC-035	\$1,500 01/10/91 \$1,500
DEVELOPMENT OF AN ULTRA-HIGH VACUUM ATOMIC FORCE MICROSCOPE UNIV OF MAINE	UNERTL WILLIAM	N 36 04/12/91 \$149,933	LEE 92-NC-100	
THE STRUCTURE AND REACTIVITY OF CARBON AND CARBON SURFACES UNIV OF ILLINOIS	TREHARV MICHAEL	N 36 04/12/91 \$364,185	A ERSTFELD 92-NC-102	\$108,357 15/03/92 \$364,185
LASER DETONATION OF AMORPHOUS CIZNE UNIV OF UTAH	WIGHT CHARLES	N 36 09/12/91 \$109,227	BERMAN 92-NC-110	
STUDENT PARTICIPATION IN RESEARCH ON ALKALI METAL-HYDROGEN REACTIONS IN CLUSTERS UNIV OF IOWA	YOUNG MARK	N 36 09/12/91 \$79,971	BERMAN 92-NC-111	
SPECTROSCOPY OF IMPURITIES EMBEDDED IN SOLID HYDROGEN UNIV OF CHICAGO	CKA TAKESHI	N 36 07/12/91 \$198,255	BERMAN 92-NC-112	
MICROSTRUCTURE AND PROPERTIES OF ORIENTED SEMICRYSTALLINE BLOCK COPOLYMERS UNIV OF MINNESOTA	BATES FRANK	N 36 11/12/91 \$217,212	LEE 92-NC-115	
ELECTROCHEMICAL AND SPECTROSCOPY STUDIES OF SELECTED INORGANIC AND ORGANIC SYSTEMS IN MOLTEN HALIDES UNIV OF TENNESSEE	MAMONTOV GLEB	N 36 16/12/91 \$512,489	WILKES 92-NC-121	
CRYSTAL "STRUCTURE" AND TRANSITIONS IN RIGID BACKBONE THERMOGRAPHIC LIQUID CRYSTAL POLYMERS UNIV OF ILLINOIS	GEIL PHILLIP	N 36 17/12/91 \$495,239	LEE 92-NC-123	

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(CONT.)
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HIGH FLOW LOW DENSE BILIMUT VAPOR SOURCE

XE-MET, INC.

MECHANICAL BEHAVIOR OF COMPOSITE INTERFACES

UNIV OF MICHIGAN

TURBULENT HEAT TRANSFER FOR SUPERCRITICAL HYDROGEN AT CRYOGENIC TEMPERATURES

UNIV OF KENTUCKY

CONTINUOUS CRYSTAL GROWTH OF NONLINEAR OPTICAL ORGANIC MATERIALS

UNIV OF WISCONSIN

CONDUCTING THERMOSET POLYMERS

MCDENNELL DOUGLAS RESEARCH LAB

WORKSHOP ON ORGANIC OPTOELECTRONIC MATERIALS

AMERICAN CHEMICAL SOCIETY

NEW POLYMERS AND COMPOSITES WITH ENHANCED OPTICAL NONLINEARITY

NORTHERN ILLINOIS UNIVERSITY

COMPRESSION BEHAVIOR OF MATERIALS

GEORGIA INSTITUTE OF TECH

COMPRESSION BEHAVIOR OF MATERIALS

GEORGIA INSTITUTE OF TECH

INVESTIGATOR

WILCH

GHOSH

CHOW

KOU

BROWN

THIES

SPANGLER

KUMAR

KUMAR

PICARD

UNIT

LOUIS

SINDO

IAN

ROBERT

CHARLES

SATISH

SATISH

TYPE/MONTHS
RECEIVED
AMOUNT

Y 24
19/12/91
\$527,500

Y 36
23/12/91
\$207,192

Y 36
22/12/91
\$240,756

Y 36
24/12/91
\$254,390

Y 39
19/12/91
\$399,508

Y 12
15/10/91
\$1,000

Y 12
29/10/91
\$29,252

Y 12
22/10/91
\$61,370

Y 12
29/10/91
\$61,370

STATUS
PROGRAM MANAGER
PROPOSAL #

A
PERAM
92-NC-129

ROSENSTEIN
92-NC-130

PURGGRAF
92-NC-132

LEE
92-NC-134

LEE
92-NC-127

LEE
92-NC-009

LEE
92-NC-038

HEDBERG
92-NC-023

HEDBERG
92-NC-036

INITIATE
START DATE
TOT AMT

\$176,000
01/02/92
\$527,500

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
FABRICATION, MONOTONIC DEFORMATION AND FATIGUE OF NIAL SINGLE CRYSTALS GEORGIA INSTITUTE OF TECH	ANTOLCZVICH	11 36 23/12/91 \$217,059	POSENSTEIN 92-NC-131	
DEVELOPMENT OF ADVANCED PHOTONIC MATERIALS UNIV OF SOUTHERN CALIFORNIA	DALTON	11 12 23/10/91 \$97,616	LEE 92-NC-029	
LASER STUDIES OF GAS SURFACE INTERACTIONS UNIV OF SOUTHERN CALIFORNIA	WITTIG	11 12 21/10/91 \$23,797	BERMAN 92-NC-043	
CATALYSIS OF THE SELECTIVE DEHYDROGENATION OF HYDROCARBONS UNIV OF SOUTHERN CALIFORNIA	KOEL	11 36 04/11/91 \$94,706	ERSTFELD 92-NC-070	
INTERFACE STUDIES IN CERAMIC MATRIX COMPOSITES CITY COLLEGE - CUNY	DELALE	11 12 22/10/91 \$47,224	BURGGRAB 92-NC-020	
CONJUGATED POLYMERS WITH DEGENERATE GROUND STATES: THE ROUTE TO HIGH PERFORMANCE HLO RESPONSE UNIV OF CALIFORNIA	HEEGER	11 12 07/10/91 \$244,353	LEE 92-NC-002	
STUDIES OF TRANSITION STATES AND INTERMEDIATES IN POLYATOMIC REACTIONS BY NEGATIVE ION PHOTOELECTRON SPECTROSCOPY UNIV OF CALIFORNIA	NEUMARK	11 12 19/10/91 \$34,764	BERMAN 92-NC-016	
PHOTOCHEMISTRY OF GAS PHASE CLUSTER IONS UNIV OF CALIFORNIA	SCHERS	11 12 22/10/91 \$52,322	BERMAN 92-NC-019	
CONJUGATED POLYMERS WITH DEGENERATE GROUND STATES: THE ROUTE TO HIGH PERFORMANCE HLO RESPONSE UNIV OF CALIFORNIA	HEEGER	11 12 23/10/91 \$60,902	LEE 92-NC-026	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
HIGH TEMPERATURE STRUCTURAL MATERIALS - CREEP AND FATIGUE PROPERTIES OF LAMINATED METAL COMPOSITES UNIV OF CALIFORNIA	MURKINJEE AMIVA	12 29/10/91 \$7,345	ROSENSTEIN 92-NC-023	
NEW METHODS FOR TREATMENT OF ELECTRON CORRELATION AND SURFACE DYNAMICS UNIV OF CALIFORNIA	CARTER EMILY	12 20/10/91 \$68,953	BURGGRAPH 92-NC-044	
AMORPHOUS AND CRYSTALLINE FERROELECTRICS FROM LIQUID SOLUTIONS UNIV OF CALIFORNIA	WACKENZIE JOHN	36 01/11/91 \$250,417	ERSTFELD 92-NC-059	
FATIGUE MECHANISMS IN INTERMETALLIC MATRIX COMPOSITES PRODUCED BY SOLIDIFICATION TECHNIQUES UNIV OF CALIFORNIA	EARTHMAN JAMES	36 04/11/91 \$345,470	ROSENSTEIN 92-NC-059	
GRAY 2 CALCULATIONS ON REACTIONS OF SILICON SURFACES UNIV OF CALIFORNIA	CARTER EMILY	12 15/11/91 \$1,000	A BURGGRAF 92-NC-087	\$1,000 01/10/91 \$1,000
GRAY 2 CALCULATIONS TO DEVELOP THEORETICAL MODELS OF ELECTRON SCATTERING FROM SURFACES UNIV OF CALIFORNIA	NETTU MORITA	12 22/11/91 \$1,000	A BURGGRAF 92-NC-091	\$1,000 01/10/91 \$1,000
ULTRAFAST STUDIES IN HIGH PRESSURE SOLIDS: EXPERIMENT AND THEORY UNIV OF CALIFORNIA	APKARIAN VARTKISS	26 09/12/91 \$113,317	BERMAN 92-NC-109	
XXTH INTERNATIONAL CONFERENCE ON PHOTOCHEMISTRY GEORGIA TECH RESEARCH COOPERATION	WINE PAUL	12 22/10/91 \$5,000	BERMAN 92-NC-021	
PHOTOIONIZATION STUDIES OF SULFUR OXIDES UNIV OF PUERTO RICO, RIO PIEDRAS	WEINER BRAD	36 04/12/91 \$155,613	BERMAN 92-NC-101	

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
NANOCOMPOSITES AEROGELS: SYNTHESIS CHARACTERIZATION AND PROPERTY EVALUATION PENNSYLVANIA STATE UNIVERSITY	POY RUSTUM	4 12 17/10/91 \$57,059	ERSTFELD 92-NC-012	
PREPARATION AND STUDY OF VIBRATIONALLY EXCITED MOLECULES USING LASER TECHNIQUES PENNSYLVANIA STATE UNIVERSITY	ERNST MCLELLANG	4 12 31/10/91 \$53,211	BERMAN 92-NC-050	
CRYSTAL CALCULATIONS ON POTENTIAL ENERGY SURFACES OF HECM MOLECULES NORTH DAKOTA STATE UNIVERSITY	GORDON MARK	4 12 22/11/91 \$1,000	A BUPGGRAF 92-NC-094	\$1,000 01/10/91 \$1,000
NEW APPROACHES TO SYNTHESIS OF NOVEL BINARY AND TERNARY COMPOSITES NORTH DAKOTA STATE UNIVERSITY	SCUDJOUK PHILIP	4 36 05/12/91 \$150,000	WEDBERG 92-NC-105	
TRANSPORTABLE DYE LASERS FOR ENVIRONMENTAL ANALYSIS NORTH DAKOTA STATE UNIVERSITY	GILLISPIE STEADY	4 36 06/12/91 \$150,000	BUPGGRAF 92-NC-106	
FABRICATION OF BIOMIMETIC MOLECULAR-LEVEL COMPOSITES PENNSYLVANIA STATE UNIVERSITY	SIAMCUNI PATRICIA	4 36 10/12/91 \$240,000	WEDBERG 92-NC-114	
A NEW APPROACH TOWARD THE UNDERSTANDING OF OXIDATION OF CARBON/CARBON COMPOSITES PENNSYLVANIA STATE UNIVERSITY	THROWER PETER	4 36 23/12/91 \$251,311	BUPGGRAF 92-NC-129	
HYDROTHERMAL PROCESSES FOR LOW TEMPERATURE (>5000C) SYNTHESIS OF NON-METALLIC INORGANIC MATERIALS PENNSYLVANIA STATE UNIVERSITY	RDV RUSTUM	4 36 30/12/91 \$542,575	ERSTFELD 92-NC-135	
SYNTHESIS, CHARACTERIZATION AND PROPERTIES OF NANOMETER-SIZED INTERMETALLICS ILLINOIS INSTITUTE OF TECHNOLOGY	DOLLAR WAREK	4 12 31/10/91 \$81,702	ROSENSTEIN 92-NC-051	

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TITLE
TITLE (CONT.)
INSTITUTION

TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGE. PROPOSAL #	INITIATE START DATE TGT AMT
(CAASERT) USING A COMBINED TEMPORAL FILTERING AND CORRELATION TECHNIQUE TO INVESTIGATE INTERPACTIVE CONTROL IN A TURBULENT ILLINOIS INSTITUTE OF TECHNOLOGY	WAPK	N 36 13/11/91 \$144,515	TISHKOFF 92-VA-093	
FATIGUE AND THE INCEPTION AND ORGANIZATION OF IMPERFECTIONS ILLINOIS INSTITUTE OF TECHNOLOGY	GURALNICK	N 24 21/11/91 \$330,320	WU 92-NA-112	
MICROMECHANICS MODELING AND ANALYSIS OF HAVERSIAN COMPACT BONE TISSUE AS A FIBER REINFORCED COMPOSITE MATERIAL TEXAS A AND M RESEARCH FOUNDATION	HOGAN	N 24 04/10/91 \$150,213	A JONES 92-VA-003	\$75,535 01/01/92 \$150,213
(CAASERT) MIXING, CONTROL OF TRANSPORT ENHANCEMENT, AND STRUCTURE FORMATION NORTHWESTERN UNIVERSITY	OTTINO	N 12 23/10/91 \$244,058	MCNICHAE 92-NA-020	
(CAASERT) DAMAGE EVOLUTION IN QUASI-BRITTLE MATERIALS SUBJECTED TO MONOTONIC AND FATIGUE LOADING NORTHWESTERN UNIVERSITY	SHAH	N 24 25/10/91 \$224,131	WU 92-NA-027	
MECHANICS OF SMART SUTURES NORTHWESTERN UNIVERSITY	ACHENEACH	N 36 04/11/91 \$247,529	WU 92-NA-052	
(CAASERT) EFFECTS OF GEOMETRIC AND MATERIAL PARAMETERS ON BEHAVIOR OF FIBER COMPOSITES NORTHWESTERN UNIVERSITY	DANIEL	N 36 13/11/91 \$135,116	JONES 92-NA-071	
(CAASERT) INTERFACIAL PROPERTIES OF HIGH TEMPERATURE COMPOSITES NORTHWESTERN UNIVERSITY	KEER	N 36 13/11/91 \$396,579	JONES 92-NA-077	
(CAASERT) MICROMECHANICS OF INTERFACES IN HIGH-TEMPERATURE COMPOSITES NORTHWESTERN UNIVERSITY	MURA	N 36 13/11/91 \$523,596	JONES 92-NA-078	

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(AASERT) PERTURBED SUPERSONIC TURBULENT BOUNDARY LAYERS OHIO STATE UNIV RESEARCH FOUNDATION	SAMIMY	N 36 21/10/91 \$106,999	SAKELL 92-NA-011	
(AASERT) DRAG REDUCTION FOR HIGH-SPEED AIRCRAFT OHIO STATE UNIV RESEARCH FOUNDATION	HERBERT	N 24 18/11/91 \$140,866	SAKELL 92-NA-099	
(AASERT) FLOW CONTROL BY "SMART WALLS" OHIO STATE UNIV RESEARCH FOUNDATION	HERBERT	N 24 13/11/91 \$139,356	MCMICHAEL 92-NA-104	
A STUDY OF MIXING AND COMBUSTION IN THE PRESENCE OF A STRONG STREAMWISE VORTICITY OHIO STATE UNIV RESEARCH FOUNDATION	SAMIMY	N 24 10/12/91 \$35,694	TISHKOFF 92-NA-122	
ANALYSIS AND CONTROL OF INTERCONNECTED STRUCTURES OHIO STATE UNIV RESEARCH FOUNDATION	OSGUNEP	N 36 27/12/91 \$335,332	WU 92-NA-134	
(AASERT) A NOVEL-MECHANICS MODELLING OF DAMAGE AND DEFORMATION FOR BONDED GRANULES UNIV OF MASSACHUSETTS	CHANG	N 24 28/10/91 \$143,124	LEWIS 92-NA-024	
MICROSTRUCTURAL DEFORMATION MECHANISMS IN CALCIFIED TISSUE CITY UNIVERSITY OF NEW YORK	COWIN	N 36 18/12/91 \$275,195	JONES 92-NA-127	
(AASERT) DYNAMIC INTERACTION OF LIQUID-STRUCTURAL SYSTEMS IOWA STATE UNIV OF SCIENCE AND TECH	BAUMGARTEN	N 36 12/11/91 \$192,522	WU 92-NA-054	
(AASERT) AN ACCELERATED STUDY OF WALL REGION-MODELING FOR HYPERSONIC INLET SHOCK/BOUNDARY LAYER INTERACTION FLOWS IOWA STATE UNIV OF SCIENCE AND TECH	INGER	N 24 15/11/91 \$87,318	SAKELL 92-NA-096	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TDT AMT
INCORPORATING RADIAL MIXING IN AXISYMMETRIC THROUGH-FLOW ANALYSIS FOR PREDICTING PERFORMANCE OF AXIAL-FLOW COMPRESSORS IOWA STATE UNIV OF SCIENCE AND TECH	KAVANAGH PATRICK	N 12 17/12/91 \$39,950	FANT 92-NA-126	
(AASERT) LOCALIZATION OF FRACTURE IN NANOSTRUCTURAL MATERIALS MICHIGAN TECHNOLOGICAL UNIVERSITY	ALFANTIS ELIAS	N 36 12/11/91 \$89,054	JONES 92-NA-051	
AN INVESTIGATION OF THE CLAIM THAT ST ₁ IS CONSTANT UNIV OF PITTSBURGH	MACIEJEWSKI PAUL	N 24 23/10/91 \$32,933	FANT 92-NA-018	
(AASERT) ANALYSIS OF DYNAMIC STALL PHENOMENA USING ADAPTIVE GRIDS AND LES METHODOLOGY UNIV OF CINCINNATI	GHIA KIRTI	N 24 21/12/91 \$199,270	FANT 92-NA-044	
(AASERT) ADAPTIVE GRID SOLUTIONS OF SHOCK WAVE/BOUNDARY LAYER/ BLEED INTERACTIONS UNIV OF CINCINNATI	HAMED AWATEF	N 24 18/11/91 \$197,721	SAKELL 92-NA-097	
(AASERT) MICROFABRIC OF DEFORMATION OF SILTY CLAYS UNIV OF EAST AGLIA	TOVEY N KEITH	N 24 23/10/91 \$125,723	LEWIS 92-NA-026	
NON-DESTRUCTIVE PARTICLE CAMPINGST (NOPD) MECHANISMS ROCKWELL INTERNATIONAL	PANJSSIAN H	N 36 27/12/91 \$324,810	WU 92-NA-137	
SOLO IS&T PROGRAM EASTERN SPACE & MISSILE CENTER	KENNEDY MIKE	N 10 16/12/91 \$100,000	A SAKELL 92-NA-124	\$100,000 16/12/91 \$100,000
QUANTITATIVE IMAGING OF TIME-EVOLVING STRUCTURE IN SUPERSONIC AND HYPERSONIC FLOWS PRINCETON UNIVERSITY	MILES RICHARD	N 48 04/10/91 \$454,635	A SAKELL 92-NA-002	\$5,010 01/02/92 \$454,635

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPCAL #	INITIATE START DATE TOT AMT
(AASERT) STUDENT TRAINING PROGRAM IN ADVANCED DIAGNOSTICS FOR HIGH-SPEED FLUID MECHANICS PRINCETON UNIVERSITY	WILES	N 24 30/10/91 \$457,395	SAKELL 92-NA-041	
(AASERT) LARGE-EDDY SIMULATION OF COMPRESSIBLE TURBULENCE PRINCETON UNIVERSITY	DRSZAG	N 36 13/11/91 \$120,379	TISHKOFF 92-NA-075	
(AASERT) DROPLET COLLISION IN SPRAY COMBUSTION PRINCETON UNIVERSITY	LAM	N 36 13/11/91 \$153,000	STIRKAN 92-NA-095	
(AASERT) NOVEL DIAGNOSTICS FOR STUDY OF MIXING & CHEMICAL REACTIONS IN TURBULENT LIQUID PHASE FLOWS MICHIGAN STATE UNIVERSITY	KDOCHESAHANI	N 24 31/10/91 \$133,508	MCMICHAEL 92-VA-050	
(AASERT) SUPPLEMENT RESEARCH RELATED TO JET IMPINGEMENT COOLING UNIV OF WASHINGTON	KURCSAKA	N 36 28/10/91 \$135,344	FANT 92-NA-034	
(AASERT) SUPPORT FOR AASERT STUDENT FOR PROCESSING AND CHARACTERIZATION OF COATED C/C COMPOSITE UNIV OF WASHINGTON	TAYA	N 36 12/11/91 \$98,528	JONES 92-NA-057	
(AASERT) A GENERALIZED INVERSE DESIGN TECHNIQUE FOR SUPERSONIC & HYPERSONIC VEHICLES VIRGINIA POLYTECHNIC INST & STATE UNIV	WALTERS	N 24 25/10/91 \$216,643	SAKELL 92-NA-025	
(AASERT) NONLINEAR AERELASTICITY OF COMPOSITE WINGS VIRGINIA POLYTECHNIC INST & STATE UNIV	MAYFEE	N 36 29/10/91 \$15,590	WU 92-NA-031	
(AASERT) THE FEASIBILITY OF FLYING "WEEBIE" ON A DYNAMIC STRUT VIRGINIA POLYTECHNIC INST & STATE UNIV	TELIONIS	N 24 31/10/91 \$149,794	FANT 92-NA-045	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) FATIGUE BEHAVIOR OF PIEZOELECTRIC ACTUATORS VIRGINIA POLYTECHNIC INST & STATE UNIV	POGERS CRAIG	N 24 12/11/91 \$153,232	WU 92-NA-094	
(AASERT) TWO-PHASE FLOW IN HIGH-PERFORMANCE HELICAL COIL HEAT EXCHANGERS CLEVELAND STATE UNIV/COLL OF ENGINEERING	KESWICK EDWARD	N 24 09/12/91 \$107,373	SAKELL 92-NA-119	
MICROSCOPIC STRESS FIELD MEASUREMENT WITH THE SCANNING ELECTRON MICROSCOPE UNIV OF NEW MEXICO	MCHIEL JOHN	N 36 03/10/91 \$489,340	WU 92-NA-006	
(AASERT) DYNAMIC FRACTURE OF CERAMICS UNIV OF NEW MEXICO	WING MING	N 24 13/11/91 \$77,546	WU 92-NA-067	
(AASERT) BIFURCATIONS OF DAMAGING MATERIALS UNIV OF NEW MEXICO	SCHREYER HOWARD	N 24 09/12/91 \$61,578	WU 92-NA-120	
(AASERT) MODELING AND CONTROL OF INTELLIGENT FLEXIBLE STRUCTURES STATE UNIVERSITY OF NEW YORK	INMAN DANIEL	N 24 21/10/91 \$171,975	WU 92-NA-014	
COMPRESSIBLE BOUNDARY LAYER TRANSITION IN SHEPT-WING FLOWS USING PSE HIGH TECHNOLOGY CORP	MALIK MUJEEB	N 48 28/10/91 \$336,937	SAKELL 92-NA-017	
(AASERT) MECHANICAL BEHAVIOR OF MOLLUSK SHELLS CASE WESTERN RESERVE UNIVERSITY	BALLARINI ROBERTO	N 36 12/11/91 \$130,735	JONES 92-NA-063	
(AASERT) KINETICS AND MOLECULAR ENERGY TRANSFER STUDIES IN PROPELLANT MIXTURES CONTAINING AMMONIA AND HYDROGEN OHIO STATE UNIVERSITY	SUERAMANIAM VISHA	N 36 30/10/91 \$114,401	BIRKAN 92-NA-038	

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(ASSET) INTEGRATED CIRCUITS FOR DISTRIBUTED CONTROL AND MAPPING OF DECENTRALIZED CONTROL ALGORITHMS OHIO STATE UNIVERSITY	ZZGNER	UNIT	N 36 13/11/91 \$150,009	WU 92-NA-069	
NONLINEAR DYNAMICS OF THICK CYLINDRICAL SHELLS AIR FORCE INSTITUTE OF TECHNOLOGY	PALACOTTO	UNIT	N 24 03/10/91 \$100,510	WU 92-NA-009	
(ASSET) NONCHEMICAL SPACE POPULATION RESEARCH STUDIES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	WASTINGS	DANIEL	N 36 30/10/91 \$255,628	BIRKAN 92-NA-039	
(ASSET) ADVANCED ELECTRIC PROPULSION STUDIES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	SANCHEZ	MARTINEZ	N 36 12/11/91 \$256,628	BIRKAN 92-NA-059	
SCHEMICKING: ELECTRO-ELASTIC STRUCTURAL SPECIALITY IN AUDIOTRY RECEPTOR CELLS STANFORD UNIVERSITY	STEELE	CHARLES	N 36 03/10/91 \$209,985	JONES 92-NA-008	
(ASSET) PARTICLE SIMULATION METHOD IN A REGION OF HIGH DENSITY STANFORD UNIVERSITY	BAGANOFF	CONALD	N 36 28/10/91 \$231,454	SAKELL 92-NA-021	
(ASSET) GRADUATE STUDENT SUPPORT IN SUPERSONIC DIAGNOSTICS AND FLOW STANFORD UNIVERSITY	BOWMAN	CRAD	N 36 28/10/91 \$333,540	TISHKOFF 92-NA-028	
(ASSET) SUPPORT FOR GRADUATE RESEARCH- TRAINING IN ADVANCED DIAGNOSTICS TECHNIQUES STANFORD UNIVERSITY	HANSON	ROYALD	N 36 30/10/91 \$259,720	TISHKOFF 92-NA-037	
(ASSET) ACHIEVING EXPERIMENTAL SCIENTIFIC UNDERSTANDING OF NEURAL NETWORKS STANFORD UNIVERSITY	CANNON, JR	ROBERT	N 24 13/11/91 \$255,309	WU 92-NA-073	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PRCPDSAL #	INITIATE START DATE TOT AMT
(AASERT) TRANSITION IN HYPERSONIC BOUNDARY LAYERS STANFORD UNIVERSITY	FERZIGER	N 24 15/11/91 \$233,990	SAKELL 92-NA-095	
MICROSENSORS FOR TURBULENT FLOW DIAGNOSTICS CALIFORNIA INSTITUTE OF TECHNOLOGY	TAI	N 24 21/11/91 \$281,046	MCMICHAEL 92-NA-110	
(AASERT) STABILITY AND TRANSITION OF HYPERSONIC BOUNDARY-LAYER FLOWS ARIZONA STATE UNIVERSITY	REED	N 26 23/10/91 \$202,544	SAKELL 92-NA-022	
(AASERT) ORIGINS OF INTERFACCTIONS IN COMPOSITE MATERIALS JOHNS HOPKINS UNIVERSITY	CHIVENTI	N 24 31/10/91 \$130,513	WU 92-NA-047	
(AASERT) EXPERIMENTAL ANALYSIS OF METAL MATRIX COMPOSITES ARIZONA STATE UNIVERSITY	KOURIS	N 26 12/11/91 \$177,327	JONES 92-NA-058	
STABILITY AND TRANSITION OF HYPERSONIC BOUNDARY-LAYER FLOWS INCLUDING NON-EQUILIBRIUM CHEMISTRY ARIZONA STATE UNIVERSITY	REED	N 26 02/12/91 \$113,942	MCMICHAEL 92-NA-117	
(AASERT) TURBULENCE MODELING CORNELL UNIVERSITY	LUNLEY	N 24 20/11/91 \$124,191	MCMICHAEL 92-NA-106	
(EPSCOR) FLUID MECHANICS AND HEAT TRANSFER IN THE TRANSITIONAL BOUNDARY LAYERS CLEMSON UNIVERSITY	WANG	N 24 29/11/91 \$163,532	FANT 92-NA-116	
GENERALIZED LINEAR ELASTIC FRACTURE MECHANICS FOR ADVANCED MATERIALS CLEMSON UNIVERSITY	GOREE	N 36 27/12/91 \$115,323	JONES 92-NA-135	

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MATERIALS RESEARCH CENTER FELLOWSHIPS

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PETTY

FRED

NOVEL MATERIALS AND DEVICES FROM SELF ASSEMBLING STRUCTURES

UNIV OF PITTSBURGH

ASHER

SANFORD

FLUORINATED POLYAZANES - THERMOCYCLICALLY STABLE FLUIDS/USEFUL
HIGH ENERGY COMPOUNDS
UNIVERSITY OF IDAHO

SHREEVE

JEANINE

NEW FLUOROALKYL AND FLUOROPHYL OLIGOMERS AND MONOMERS AS STABLE
FLUIDS/FLUID PRECURSORS
UNIVERSITY OF IDAHO

SHREEVE

JEANINE

CORRELATION OF SCANNING TUNNELING MICROSCOPY IMAGES WITH AUGER
ELECTRON ANGULAR DISTRIBUTIONS
UNIV OF CINCINNATI

HUBBARD

ARTHUR

HALOGEN AZIDE VISIBLE CHEMICAL LASERS

ROCKWELL INTERNATIONAL, SCIENCE CENTER

BERNARD

D.

GRAY 2 CALCULATIONS FOR OPTIMAL CONTROL OF MOLECULAR MOTION

PRINCETON UNIVERSITY

PABITZ

MERSCHER

PROJECTS IN THEORETICAL CHEMISTRY FOR JASERT STUDENTS

OKLAHOMA STATE UNIVERSITY

PAPE

LIGNEL

THEORETICAL CHEMICAL DYNAMICS STUDIES OF HIGH ENERGY DENSITY
MATERIALS

OKLAHOMA STATE UNIVERSITY

THOMPSON

DONALD

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AMOUNT

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TOT AMT

N 36
04/11/91
\$204,480

ROSENSTEIN
92-NC-074

N 36
04/11/91
\$215,380

ERSTFELD
92-NC-078

N 12
03/10/91
\$55,494

HEDBERG
92-NC-039

N 36
06/12/91
\$177,519

HEDBERG
92-NC-104

N 36
17/12/91
\$757,974

ERSTFELD
92-NC-122

N 24
03/12/91
\$450,161

BERMAN
92-NC-133

N 12
26/11/91
\$2,000

\$2,000
01/10/91
\$2,000

A
BURGGRAF
92-NC-097

N 12
07/10/91
\$32,485

BURGGRAF
92-NC-004

N 12
24/10/91
\$46,236

BURGGRAF
92-NC-028

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THIN POLYMER FILMS FOR SECOND ORDER NONLINEAR OPTICS OKLAHOMA STATE UNIVERSITY	WARREN	N 26 05/12/91 \$201,246	LEE 92-NC-103	
9TH INTERNATIONAL SOLID STATE CONFERENCE INTERNATIONAL SOLID STATE CONFERENCE	WYATT, JR.	N 12 14/11/91 \$5,000	C HEDBERG 92-NC-085	
ATOMICALLY RESOLVED SURFACE REACTION STUDIES UNIV OF WASHINGTON	ENGEL	N 12 23/10/91 \$27,473	BURGGRAPH 92-NC-030	
SYNTHESIS OF POTENTIAL HIGH-ENERGY FUELS AND MATERIALS USING HITOCARBONES UNIV OF PENNSYLVANIA	DAILEY	N 12 15/10/91 \$171,991	BERMAN 92-NC-009	
ENHANCED NONLINEAR OPTICAL PROCESSES UNIV OF PENNSYLVANIA	JARITO	N 36 11/12/91 \$279,850	LEE 92-NC-116	
JAPAN-U.S. CONFERENCE ON COMPOSITE MATERIALS VIRGINIA POLYTECHNIC INST & STATE UNIV	REISCHNER	N 12 07/10/91 \$10,000	BURGGRAPH 92-NC-005	
SPECTROSCOPIC INVESTIGATION OF THE PROPERTIES OF THE COMPACT AND DIFFUSE ELECTROCHEMICAL DOUBLE LAYER VIRGINIA POLYTECHNIC INST & STATE UNIV	ANDERSON	N 36 16/12/91 \$222,313	WILKES 92-NC-120	
MICROSTRUCTURE AND MECHANICAL RELIABILITY OF STRUCTURAL CERAMICS CARNEGIE-MELLON UNIVERSITY	READEY	N 12 31/10/91 \$99,527	BURGGRAPH 92-NC-046	
NONLINEAR OPTICAL PROPERTIES OF TETRAMETRIC MONODOMAIN POLYMERS CARNEGIE-MELLON UNIVERSITY	BERRY	N 36 01/11/91 \$142,251	LEE 92-NC-058	

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PROCESSED BY CHEMICAL AND TRANSPORT SCIENCES

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TITLE
TITLE (CONT.)
INSTITUTION

SOL-GEL DERIVED COMPOSITES FOR MICROELECTRONIC PACKAGING

CARNEGIE-MELLON UNIVERSITY

WJMTA

RESEARCH

FORMATION MECHANISMS AND CATALYTIC IMPROVEMENT IN ZN ALUMINIDES

CARNEGIE-MELLON UNIVERSITY

COLLICK

TRISA

ENVIRONMENTALLY STABLE AND SERIAL CONDUCTIVE POLYMERS

UNIV OF NEW ORLEANS

JURSEC

GRAPHON

ASPECT AUGMENTATION TO PRESSURELESS SINTERING OF CERAMIC COMPOSITES

UNIV OF NEW MEXICO

WEISER

MARTIN

PHOTONICS AND NONLINEAR OPTICS WITH MOLECULAR AND POLYMERIC MATERIALS

STATE UNIVERSITY OF NEW YORK

FRASAD

PARAS

QUANTUM TRANSPORT IN MICROSCOPIC (SUPERCONDUCTING) SEMICONDUCTOR STRUCTURES

FLORIDA INTERNATIONAL UNIVERSITY

MARINA

CAROLYN

1992 GORDON RESEARCH CONFERENCE ON CHEMISTRY AT INTERFACES

GORDON RESEARCH CONFERENCES INC

HAIR

MICHAEL

1992 GORDON RESEARCH CONFERENCE ON SINTERING

GORDON RESEARCH CONFERENCES INC

ROZZELL

DAVID

1992 GORDON RESEARCH CONFERENCE ON PHYSICAL ELECTROCHEMISTRY

GORDON RESEARCH CONFERENCES INC

ABRUHA

HECTOR

TYPE/MONTHS
RECEIVED
AMOUNT

Y 12
14/11/91
\$23,000

Y 12
11/12/91
\$23,000

Y 26
12/11/91
\$577,487

Y 12
22/10/91
\$54,512

Y 26
14/11/91
\$153,136

Y 12
21/10/91
\$47,300

Y 12
15/11/91
\$4,375

N 12
17/12/91
\$5,000

Y 12
17/12/91
\$5,000

STATUS
PROGRAM MANAGER
PROPOSAL #

MEDEBERG
92-NC-034

ROSENSTEIN
92-NC-117

LEE
92-NC-093

BURGGRAPH
92-NC-040

LEE
92-NC-071

ERSTFELD
92-NC-045

ERSTFELD
92-NC-096

D
MEDEBERG
92-NC-124

D
WILKES
92-NC-125

INITIATE
START DATE
TOT AMT

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
DUCTILE NANOCRYSTALLINE POLYMER WITH HIGH STRENGTH MONOLITHIC AND COMPOSITE MATERIALS CASE WESTERN RESERVE UNIVERSITY	WELSON	11 36 27/11/91 \$350,394	ROSENSTEIN 92-MC-031	
NEW RHEOLOGIC RESINS FOR SUPERIOR CARBON/CARBON COMPOSITES: SYNTHESIS, CHARACTERIZATION, PROCESSING AND HIGH TEMPERATURE ... CASE WESTERN RESERVE UNIVERSITY	SHICA	11 36 17/12/91 \$270,163	0 ERSTFELD 92-MC-126	
STRUCTURE/REACTIVITY RELATIONSHIPS IN ELECTROCHEMICAL KINETICS OHIO STATE UNIVERSITY	MCCREERY	11 12 22/10/91 \$55,562	WILKES 92-MC-025	
CHARACTERIZATION OF FATIGUE DAMAGE IN METAL MATRIX COMPOSITES AT ELEVATED TEMPERATURE AIR FORCE INSTITUTE OF TECHNOLOGY	MALL	11 12 23/11/91 \$24,000	ROSENSTEIN 92-MC-098	
QUANTUM-DETERMINED ENERGY TRANSFER IN STRONGLY COUPLED SYSTEMS: ... ROTATIONAL ENERGY TRANSFER IN MOLECULAR ENGINE AIR FORCE INSTITUTE OF TECHNOLOGY	PERMAN	11 12 23/11/91 \$25,000	BERMAN 92-MC-099	
THERMAL AND EXPERIMENTAL CHEMICAL INSTABILITIES STANFORD UNIVERSITY	ROSS	11 12 21/10/91 \$60,152	BERMAN 92-MC-052	
PHOTOCHEMICAL AND PHOTOPHYSICAL INVESTIGATIONS OF INTERFACES OF NOVEL MATERIALS COLUMBIA UNIVERSITY	TURRO	11 12 31/10/91 \$43,569	HEDBERG 92-MC-055	
STATE-TO-STATE DYNAMICS OF ION-MOLECULE REACTIONS STANFORD UNIVERSITY	ZAPE	11 36 24/11/91 \$110,735	BERMAN 92-MC-073	
APPLICATION OF PATTERN RECOGNITION TECHNIQUES TO PROBLEMS IN ADVANCED POLLUTION MONITORING CLARKSON UNIVERSITY	LAVINE	11 36 23/12/91 \$79,193	HEDBERG 92-MC-108	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGED PROPOSAL #	INITIATE START DATE TOT AMT
NEW THEORETICAL METHODS FOR 2D THERMOCHEMISTRY				
WESLEYAN UNIVERSITY	STODOL	36 12/12/91 144,000	EURGGRAF 92-NC-113	
BIOINFORMATIC SYNTHESIS OF COMPLEXES: A DESIGN BASED ON ORGANIC MACROMOLECULES UNIV OF CONNECTICUT	KENNETH SANDALVES	36 12/12/91 144,000	WEDBERG 92-NC-113	
LEAVING CATALYSTS FOR CYCLOPHOSPHORANE POLYMERIZATION				
CALIFORNIA INSTITUTE OF TECHNOLOGY	ROBERT	12 12/12/91 147,000	WEDBERG 92-NC-013	
MATERIALS FOR SECOND- AND THIRD-ORDER NONLINEAR OPTICAL APPLICATIONS CALIFORNIA INSTITUTE OF TECHNOLOGY	SETH	12 12/12/91 147,000	LEE 92-NC-041	
ION ROTATIONAL DISTRIBUTIONS IN MULTIPHOTON IONIZATION OF MOLECULES CALIFORNIA INSTITUTE OF TECHNOLOGY	VINCENT	12 12/12/91 147,000	EURGGRAF 92-NC-042	
GRAY 2 CALCULATIONS ON TEMP. PROBABILITIES				
CALIFORNIA INSTITUTE OF TECHNOLOGY	VINCENT	12 12/11/91 11,500	A EURGGRAF 92-NC-002	\$1,500 01/10/91 \$1,500
FEMTOSECOND LASERS PUMPING OF THE FIRST STEPS IN CHEMICAL DYNAMICS				
CALIFORNIA INSTITUTE OF TECHNOLOGY	AMANO	12 10/12/91 115,500	GERMAN 92-NC-113	
GRAY 2 CALCULATIONS ON THE REACTIVITY AND DECOMPOSITION OF HYDROGEN AZIDES JOHNS HOPKINS UNIVERSITY	PAUL	12 12/11/91 11,000	A EURGGRAF 92-NC-005	\$1,000 01/10/91 \$1,000
ELECTRON CONDUCTION IN DISORDERED ORGANIC MATERIALS AT VERY HIGH ELECTRIC FIELDS AND CURRENT DENSITIES INDIANA UNIVERSITY	STEPHEN	12 11/10/91 141,500	ERSTFELD 92-NC-007	

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TITLE
TITLE (CONT.)
INSTITUTION

STUDIES OF SURFACE REACTIVITY AND WEAR ON THE ATOMIC SCALE IN
SOLID-STATE LUBRICANTS
HARVARD UNIVERSITY

CHARLES

INVESTIGATOR

LIBER

MOLECULAR DYNAMICS STUDIES BY VUV RADIATION

CORNELL UNIVERSITY

ROUSTON

PAUL

STUDENT SUPPORT FOR RESEARCH IN LEVEL POLYMER COMPOSITES FOR
ELECTRONIC PACKAGING
CORNELL UNIVERSITY

CHRISTOPHER

DEB

AB-INITIO MODELING AND FUNDAMENTAL MEASUREMENTS OF SCHOING AT
METAL-CERAMIC INTERFACES BY THE ATOMIC FORCE MICROSCOPE
CORNELL UNIVERSITY

RISHI

PAU

MICROBIAL DEGRADATION OF POLYMERS USED IN ELECTRONICS

HARVARD UNIVERSITY

MITCHELL

RALPH

TYPE/MONTHS
RECEIVED
AMOUNT

N 12
17/10/91
\$58,317

N 12
31/10/91
\$23,294

N 36
11/11/91
\$249,499

N 36
04/11/91
\$162,543

I 26
05/11/91
\$123,158

STATUS
PROGRAM MANAGER
PROPOSAL #

SURGOLF
92-MC-011

GERMAN
92-MC-054

HEDEBERG
92-MC-051

ROSENSTEIN
92-MC-077

HEDEBERG
92-MC-080

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TOT AMT

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
COHERENT PROCESSES IN ONE- AND TWO-ELECTRON BEAMS IN STRONG RADIATION FIELDS UNIV OF MARYLAND	THOMAS	N 12 09/10/91 \$102,500	A KELLEY 92-NE-003	\$102,500 01/02/92 \$102,500
(ASSET) PHOTON AVALANCHE GENERATION IN JEM MEDIA UNIV OF MICHIGAN	STEFAN	N 26 09/10/91 \$283,650	SCHLOSSBER 92-NE-003	
ULTRA COLD COLLISION DYNAMICS IN ATOMIC BEAMS UNIV OF MARYLAND	JOHN	N 36 17/10/91 \$403,556	KELLEY 92-NE-015	
(ASSET) INSTABILITIES, HOLE BURNING, AND CAVITY ENHANCEMENT EFFECTS IN SURFACE-EMITTING LASERS UNIV OF ARIZONA	HYATT	N 36 17/10/91 \$313,559	SCHLOSSBER 92-NE-013	
(ASSET) INVESTIGATION OF INDUCED ABERRATIONS ON PERFORMANCE OF OPTICAL SYSTEM UNIV OF ARIZONA	ROBERT	N 36 17/10/91 \$129,127	SCHLOSSBER 92-NE-019	
(ASSET) STUDIES OF COHERENT PROCESSES IN ATOMS IN STRONG RADIATION FIELDS UNIV OF MARYLAND	THOMAS	N 36 25/10/91 \$126,400	KELLEY 92-NE-023	
(ASSET) REQUEST FOR ADDITIONAL GRADUATE STUDENT SUPPORT FOR STUDIES OF PLASMA LOADED BACKWARD WAVE OSCILLATORS UNIV OF MARYLAND	VICTOR	N 36 25/10/91 \$221,343	BARKER 92-NE-029	
(ASSET) ANGULAR STUDIES OF HALF-COLLISIONS UNIV OF MARYLAND	WENDELL	N 36 25/10/91 \$243,736	KELLEY 92-NE-030	
(ASSET) GENERATION OF COHERENT AND INCOHERENT X-RAYS FROM INTENSE SUBPICONSECOND LASER INTERACTION WITH GASES AND UNIV OF MARYLAND	HOWARD	N 36 25/10/91 \$121,079	SCHLOSSBER 92-NE-031	

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PROPOSAL STATUS REPORT (1 OCT 81 - 31 DEC 81)
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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(CAASERT) GRADUATE STUDENT RESEARCH ON HIGH POWER MICROWAVE OSCILLATORS UNIV OF MICHIGAN	SILVERBAUGH	25/10/91 \$105,251	BARKER 92-NE-032	
(CAASERT) REQUEST FOR GRADUATE STUDENT SUPPORT FOR EXPERIMENTAL AND THEORETICAL STUDIES OF PLASMA INTERACTIONS UNIV OF MARYLAND	WILLIAM CESTLE	25/10/91 \$24,534	BARKER 92-NE-033	
(CAASERT) GRADUATE AND UNDERGRADUATE RESEARCH ON BASIC PLASMA WAVES UNIV OF WISCONSIN	SCHARER JOHN	22/10/91 \$159,425	BARKER 92-NE-034	
(CAASERT) MOVIL IN SITU PREPARED MIS STRUCTURES BASED ON COMPOUND AND ELEMENTAL SEMICONDUCTORS UNIV OF ILLINOIS	WOPKOC -LOIS	22/10/91 \$101,752	WITT 92-NE-036	
(CAASERT) HIGH SPEED HETEROSTRUCTURE TRANSISTORS UNIV OF ILLINOIS	WOPKOC -LOIS	22/10/91 \$101,752	WITT 92-NE-041	
(CAASERT) STUDY OF RESONANCE SEMICONDUCTOR DEVICES FOR OPTOELECTRONICS UNIV OF COLORADO	FEUERSTEIN ALAN	22/10/91 \$124,224	DOMRENKE 92-NE-046	
(CAASERT) TEMPORAL OPTICAL SOLUTIONS IN SEMICONDUCTOR WAVEGUIDES USING FEMTOSECOND LASER PULSES UNIV OF ARIZONA	BEYGHAMBARIAN HASSE	20/10/91 \$14,1035	SCHLOSSER 92-NE-049	
(CAASERT) STUDY OF TRAPPING IN XUV LASER RESEARCH RICE UNIVERSITY	YOUNG JAMES	20/10/91 \$103,536	SCHLOSSER 92-NE-053	
(CAASERT) STRUCTURAL CHARACTERIZATION OF Si(1-X)Ge(X) ALLOYS UNIV OF MICHIGAN	BHATTACHARYA PALLAB	21/10/91 \$171,752	WITT 92-NE-057	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGED PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) LONG JOSEPHSON JUNCTIONS AND SINGLE ELECTRONIC DEVICES UNIV OF UTAH	SYMCO	N 36 01/10/91 \$240,927	WEINSTOCK 92-NE-058	
(AASERT) HIGH TC SUPERCONDUCTIVE ELECTRONIC DEVICES UNIV OF WISCONSIN	WOLFE	N 36 01/10/91 \$172,670	WEINSTOCK 92-NE-060	
(AASERT) OPTICAL FIBER FLUORESCENT PAVE SPECTROSCOPY BROWN UNIVERSITY	WOLFE	N 36 01/10/91 \$145,400	SCHLOSSER 92-NE-061	
(AASERT) FILTER AND WAVEGUIDE VEHICLE UPCONVERSION LASERS UNIV OF ILLINOIS	EDIN	N 36 01/11/91 \$15,642	SCHLOSSER 92-NE-062	
(AASERT) GRADUATE STUDENT RESEARCH ON HIGH POWER MICROWAVE OSCILLATORS UNIV OF MICHIGAN	GILGENBACH	N 36 01/11/91 \$105,291	BARKER 92-NE-065	
(AASERT) LIGHT-EMITTING SILICON STRUCTURES UNIV OF TEXAS	KWONG	N 36 01/11/91 \$38,400	POMRENKE 92-NE-068	
(AASERT) LASER ASSISTED GROWTH ON NITRIDE MATERIALS HOWARD UNIVERSITY	MALPERY	N 36 01/11/91 \$70,890	POMRENKE 92-NE-071	
(AASERT) IZIV MODULATION AND SWITCHING DEVICES FOR OPTICAL SYSTEMS APPLICATIONS UNIV OF MICHIGAN	SINGH	N 36 01/11/91 \$125,932	CRAIG 92-NE-072	
(AASERT) DEVELOPMENT OF IMPROVED COMPUTER GENERATED HOLOGRAMS UNIV OF ARIZONA	GMITRO	N 36 01/11/91 \$123,463	CRAIG 92-NE-078	

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 CORRELATE OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE (TITLE COUNT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) RESEARCH ON NUCLEATION OF II-V/III-V SEMICONDUCTOR HETEROJUNCTIONS PURDUE UNIVERSITY	WISUDA	36 01/11/91 \$94,454	PJWRENKE 92-NE-030	
(AASERT) ACTIVE OPTICAL FILMS FOR SPECTRAL PROCESSING UNIV OF MARYLAND	DAGANIS	36 01/11/91 \$129,224	CRAIG 92-NE-091	
(AASERT) EXPERIMENTAL STUDY OF MAGNETIC MULTILAYER FILMS UNIV OF MINNESOTA	DAHLBERG	36 04/11/91 \$97,500	WEINSTOCK 92-NE-089	
(AASERT) APPLICATIONS OF QUANTUM I/F NOISE IN HIGH TECHNOLOGY DEVICES AND ULTRASHELL STRUCTURES UNIV OF MISSOURI	MANDEL	36 04/11/91 \$164,460	WITT 92-NE-091	
(AASERT) EXPTAXY ALUMINIDE FILMS UNIV OF MINNESOTA	COMEN	36 04/11/91 \$203,790	PJWRENKE 92-NE-093	
(AASERT) HIGH RESOLUTION OPTICAL PROBES OF EXCITED STATES UNIV OF VIRGINIA	GALLAGHER	36 04/11/91 \$96,202	KELLEY 92-NE-095	
(AASERT) LOW-TEMPERATURE-SPONTANEOUS GASES AND THE STUDY OF HIGH-FIELD, HIGH-FREQUENCY TRANSPORT UNIV OF MICHIGAN	MOUPDU	36 04/11/91 \$230,372	WITT 92-NE-098	
(AASERT) GRADUATE PROGRAM IN HIGH INTENSITY LASER SCIENCE UNIV OF ILLINOIS	PHODES	36 04/11/91 \$122,127	SCHLOSSER 92-NE-099	
(AASERT) ULTRAFAST SUPERCONDUCTING ELECTRONICS UNIV OF ROCHESTER	SOBCLEWSKI	36 04/11/91 \$129,000	WEINSTOCK 92-NE-102	

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AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
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TITLE (CONT.) INSTITUTION	INVESTIGATION	PI	TYPE/CONTHS RECEIVED INQUIRY	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASSET) SILICON-GERMANIUM-CARBON ALLIAGE FOR SEMICONDUCTORIC DEVICES UNIV OF DELAWARE	COLLOIDY	JAMES	36 04/11/91 \$143,352	PMWREIKE 92-NE-103	
(ASSET) LARGE SIGNAL CHARACTERIZATION AND MODELING OF IMPROVED HETEROJUNCTION BIPOLAR TRANSISTORS LEHIGH UNIVERSITY	MYARS	JAMES	36 05/11/91 \$127,415	PMWREIKE 92-NE-107	
(ASSET) PLANAR JFET OSCILLATOR-MULTIPLIER UNIV OF COLORADO	POPOVIC	JOHN	36 05/11/91 \$149,115	WITT 92-NE-112	
LOGOGRAPHIC INTERCONNECTS FOR OPTICAL NEURAL NETWORKS UNIV OF ARIZONA	SWITTO	JOHN	25 05/11/91 \$223,039	CRAIG 92-NE-116	
WORKSHOP ON RECONFIGURABLE FREE-SPACE OPTICAL INTERCONNECTS UNIV OF COLORADO	WIEF	JOHN	26 05/11/91 \$6,500	CRAIG 92-NE-120	\$6,500 01/03/92 \$6,500
BASIC RESEARCH IN ELECTRONICS (JSEP) UNIV OF TEXAS	POWERS	EDWARD	25 05/11/91 \$1,443,000	A WITT 92-NE-125	\$460,059 01/04/92 \$2,347,582
WORKSHOP ON WIDE BANDGAP NITRIDES UNIV OF ILLINOIS	WOPKOC	HARRY	12 09/11/91 \$3,000	A WITT 92-NE-126	\$3,000 01/03/92 \$3,000
(EPSCOR) INSTRUMENTAL DEVELOPMENTS FOR NMR IMAGING OF MATERIALS UNIV OF ARKANSAS	KOMCROSKI	RICHARD	36 04/12/91 \$304,132	WEINSTOCK 92-NE-139	
STUDIES OF A COHERENT SYNCHRON SOURCE OPERATING AT THE SECOND AND THIRD HARMONIC OF THE FUNDAMENTAL FREQUENCY UNIV OF MARYLAND	GRANATSTEIN	VICTOR	12 04/12/91 \$45,000	A BARKER 92-NE-144	\$45,000 15/03/92 \$45,000

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/AMOUNTS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL	INITIATE START DATE TOT AMT
MICROWAVE INTERACTION WITH PLASMA UNIV OF TENNESSEE	SLYVIE	12 11/12/91 \$90,566	MARKER 92-NE-146	
(EPSCOR) QUANTUM /1/ NOISE IN HIGH-TECHNOLOGY DEVICES, MATERIALS AND ULTRASMALL STRUCTURES UNIV OF MISSOURI	HANDEL	26 12/12/91 \$185,712	MITT 92-NE-153	
TIGHT-BINDING MOLECULAR DYNAMICS SIMULATION OF SEMICONDUCTOR DEFECT AND SURFACE STATE PHENOMENA UNIV OF KENTUCKY	WENON	24 20/12/91 \$179,000	OMREHKE 92-NE-157	
EXCITONIC NONLINEAR OPTICAL PROPERTIES IN QUANTUM WIRES UNIV OF ALABAMA	WADAPASC	29 20/12/91 \$74,965	OMREHKE 92-NE-159	
LABORATORY MEASUREMENTS OF HIGH-RESOLUTION PHOTOABSORPTION CROSS SECTIONS OF EUV AND VUV ELECTRONIC TRANSITIONS IN VC(2) WELLSLEY COLLEGE	GLENN	24 20/12/91 \$92,292	KELLEY 92-NE-160	
(AASERT) ADAPTIVE PHASED-ARRAY RADAR SIGNAL PROCESSING USING PHOTOREACTIVE VOLUME HOLOGRAMS UNIV OF COLORADO	WAGNER	26 23/12/91 \$127,145	CRAIG 92-NE-164	
(AASERT) ABSOLUTE CALIBRATION OF UV/VISIBLE/IR SPECTROMETER UNIV OF ARIZONA	PINK	35 23/12/91 \$109,425	SCHLOSSER 92-NE-166	
(AASERT) INVESTIGATION OF MILLIMETER & SUBMILLIMETER-WAVE OSCILLATOR ARRAYS UNIV OF MICHIGAN	KATEHI	35 24/12/91 \$122,854	MITT 92-NE-171	
(AASERT) SURFACE EMITTING, MULTI-WAVELENGTH LASER ARRAY STUDY UNIV OF COLORADO	SAUER	36 24/12/91 \$31,507	CRAIG 92-NE-172	

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CORPORATE OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) SPECTROSCOPY OF THE ELECTRO-INDUCED LAYER MATERIALS AND STRUCTURES UNIV OF ILLINOIS	J	36 24/12/91 \$172,530	CRAIG 92-NE-173	
PARALLEL IRRADIATION AND ELECTRONIC CHARACTERIZATION OF MANUFACTURED AND VAPOR-DEPOSITED METAL SURFACES UNIV OF COLORADO	KENNETH DOUGLAS	36 24/12/91 \$222,303	WEINSTOCK 92-NE-174	
(AASERT) STUDY OF ION-AVULSMA INTERACTION FOR WAVE SCATTERING, ABSORPTION AND GENERATION POLYTECHNIC UNIV. - WEBER RESEARCH INST.	KUD SPENCER	36 15/10/91 \$270,192	BARKER 92-NE-012	\$250,079 01/02/92 \$250,079
ION CLUSTERS AND EXOTIC PLASMA STATES STEVENS INSTITUTE OF TECHNOLOGY	VITTORIO	36 22/12/91 \$250,079	BARKER 92-NE-134	
(AASERT) PHYSICS OF SELF-FIELD COMBUSTED PLASMAS STEVENS INSTITUTE OF TECHNOLOGY	VITTORIO	36 11/12/91 \$221,508	BARKER 92-NE-147	
(AASERT) PHOTOAC SIGNAL PROCESSING FOR PHASED ARRAY RADAR SYSTEMS STEVENS INSTITUTE OF TECHNOLOGY	TEMPY	36 23/12/91 \$165,340	CRAIG 92-NE-152	
(AASERT) MODE CONTROL IN FREE ELECTRON SOURCES OF MICROWAVE AND MILLIMETER RADIATION UNIV OF SOUTHERN CALIFORNIA	ALAN MCCURRY	36 17/10/91 \$174,226	BARKER 92-NE-017	
(AASERT) INVESTIGATIONS OF THE GROWTH OF HETEROJUNCTIONS & QUANTUM WELL STRUCTURES USING CRYSTALLINE ORGANIC SEMICONDUCTORS UNIV OF SOUTHERN CALIFORNIA	STEPHEN FORREST	36 29/10/91 \$244,958	POHRENNKE 92-NE-044	
(AASERT) OPTICALLY POWERED, OPTOELECTRONIC SPATIAL LIGHT MODULATORS UNIV OF SOUTHERN CALIFORNIA	STEPHEN FORREST	36 30/10/91 \$133,801	CRAIG 92-NE-055	

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DEPARTMENT OF ELECTRONIC AND MATERIAL SCIENCES

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TITLE
(CONT.)
INSTITUTION

(ABSTRACT) SPATIALLY/SPPECTRALLY RESOLVED CATHODOLUMINESCENCE STUDIES
OF STRAINED SEMICONDUCTOR STRUCTURES FROM 2-DIMENSIONAL
UNIV OF SOUTHERN CALIFORNIA

QUANTUM TUNNELING IN "MAGNETIZATION"

CITY COLLEGE - CITY &

SALVADOR

AGE GROWTH OF GALIARSES

NORTH CAROLINA 1ST STATE UNIVERSITY

IVER

PHOTON HOLES-SURVIVAL AS A MEANS FOR ACHIEVING FOUR DIMENSIONAL
OPTICAL STORAGE MEMORY
UNIV OF CALIFORNIA

RENTICRIS

(ABSTRACT) OPTICAL FOUR-WAVE MIXING IN LASER CIRCUITS FOR LOGIC
OPERATIONS
UNIV OF CALIFORNIA

YEH

RESEARCH IN "HOT-CAVITY SURFACE" EMISSION LASER DEVICES

UNIV OF CALIFORNIA

ANG

(ABSTRACT) MESOPITAXY: A "UNIVERSAL" ROUTE TO ORIENTED MATERIALS

UNIV OF CALIFORNIA

MEISER

(ABSTRACT) MILLIMETER-WAVE NETWORK ANALYSIS AND SPECTROSCOPY WITH
SOLID-STATE DEVICES
UNIV OF CALIFORNIA

PODWELL

(ABSTRACT) JSEPT AUGMENTATION PROPOSAL: NEURAL NETWORK CIRCUIT AND
HIGH SPEED LASER
UNIV OF CALIFORNIA

HU

TYPE/MONTHS
RECEIVED
AMOUNT

STATUS
PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT

1 36
25/11/91
\$121,114
POMRENKE
92-NE-037

1 36
15/10/91
\$420,350
A
WEINSTOCK
92-NE-013
\$199,932
01/03/92
\$620,950

1 36
02/10/91
\$1,361,925
POMRENKE
92-NE-002

1 36
13/10/91
\$526,000
CRAIG
92-NE-006

1 36
15/10/91
\$135,602
CRAIG
92-NE-010

1 36
17/10/91
\$590,361
CRAIG
92-NE-014

1 36
25/10/91
\$213,351
WITT
92-NE-025

1 36
25/10/91
\$208,042
SCHLOSSER
92-NE-028

1 36
23/10/91
\$275,020
WITT
92-NE-040

CHENMING

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(AASERT) ARRAYS OF EFFICIENT ENERGY-PORT MODULATORS FOR OPTICAL PROCESSING UNIV OF CALIFORNIA	COLDREN	4 36 23/10/91 \$114,141	CRAIG 92-NE-046	
(AASERT) HIGH POWER, HIGH EFFICIENCY WISSETS AND HEMTS UNIV OF CALIFORNIA	WISHEPA	4 36 23/10/91 \$143,034	WITT 92-NE-047	
(AASERT) ON-CHIP INTEGRATION OF VIDEO AND SE UNIV OF CALIFORNIA	DYNE	4 36 21/10/91 \$117,175	WEINSTOCK 92-NE-059	
(AASERT) A SMART OPTOELECTRONIC INTERCONNECTION NETWORK FOR DISTRIBUTED COMPUTING APPLICATIONS UNIV OF CALIFORNIA	ESENER	4 36 01/11/91 \$87,311	CRAIG 92-NE-059	
(AASERT) WAFER SCALE UNION UNIV OF CALIFORNIA	PATTERMAN	4 36 01/11/91 \$255,729	SCHLOSSER 92-NE-076	
(AASERT) ULTRA SENSITIVE DETECTION CREATED BY DIAMOND ANVIL CELL PRESSURES UNIV OF CALIFORNIA	SCHULTZ	4 36 01/11/91 \$123,613	WEINSTOCK 92-NE-077	
(AASERT) VERTICALLY-ACCESSSED OPTOELECTRONIC INTEGRATED CIRCUIT DEVICE DEVELOPMENT AT 1.06 UM UNIV OF CALIFORNIA	ESENER	4 36 01/11/91 \$101,224	CRAIG 92-NE-079	
(AASERT) NOVEL HIGH PERFORMANCE CYCLO DEVICES: SCIENCE AND ENGINEERING RESEARCH TRAINING PROGRAM UNIV OF CALIFORNIA	LUHMANN, JR	4 36 01/11/91 \$158,741	BARKER 92-NE-082	
(AASERT) HIGH HARMONIC GYROMAGNETRON AMPLIFIERS: SCIENCE AND ENGINEERING RESEARCH TRAINING PROGRAM UNIV OF CALIFORNIA	LUHMANN, JR	4 36 01/11/91 \$173,994	BARKER 92-NE-083	

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TITLE (CONT.) INSTITUTION	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
UNIVERSITY OF CALIFORNIA	26 04/11/91 \$230,465	BARKER 92-NE-097	
UNIVERSITY OF CALIFORNIA	36 04/11/91 \$267,513	WITT 92-NE-105	
UNIVERSITY OF CALIFORNIA	26 03/11/91 \$243,175	CRAIG 92-NE-110	
UNIVERSITY OF CALIFORNIA	36 03/11/91 \$163,337	CRAIG 92-NE-111	
UNIVERSITY OF CALIFORNIA	26 03/11/91 \$1,034,397	CRAIG 92-NE-115	
UNIVERSITY OF CALIFORNIA	26 02/12/91 \$234,733	KELLEY 92-NE-136	
UNIVERSITY OF CALIFORNIA	26 23/12/91 \$24,895	WITT 92-NE-168	
UNIVERSITY OF CALIFORNIA	36 23/12/91 \$174,942	BARKER 92-NE-159	
UNIVERSITY OF CALIFORNIA	26 23/12/91 \$119,107	CRAIG 92-NE-170	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	STATUS PROGRAM MANAGER PROPCAL #	INITIATE START DATE TOT AMT
(AASERT) MICROSCAL MATERIALS - ELECTRIC FIELD MICROSCOPY UNIV OF CALIFORNIA, SAN DIEGO	MELLYAN	WEINSTOCK 92-NE-045	\$49,730 01/12/91 \$49,730
(AASERT) ELECTRONIC TRANSDUCERS - HETERODYNE DETECTION FOR LIDAR-ROBOT HIGH TEMPERATURE DETECTION SANTA BARBARA TECHNOLOGY	JONES	A POMRENKE 92-NE-009	\$49,730 01/12/91 \$49,730
DEFECTS AND ION IMPLANTATION IN SILICA RENSSELAER POLYTECHNIC INSTITUTE	MACROBNE	POMRENKE 92-NE-132	\$49,730 01/12/91 \$49,730
IMAGING AND COLLECTING OF SPATIALLY STRUCTURED ARRAYS OF ULTRASOUND PULSES FOR ULTRASONIC INFORMATION RATE DETECTION RENSSELAER POLYTECHNIC INSTITUTE	RICHARD	SCHLOSSER 92-NE-133	\$49,730 01/12/91 \$49,730
(AASERT) ELECTRONIC TRANSDUCERS IN SEMICONDUCTOR HETEROSTRUCTURES UNIV OF VICTORIA CANADA	PODOL	POMRENKE 92-NE-042	\$49,730 01/12/91 \$49,730
(AASERT) NUCLEAR AND PLASMA PHYSICS WITH SUPERCONDUCTORS PENNSYLVANIA STATE UNIVERSITY	SMITH	KELLEY 92-NE-007	\$49,730 01/12/91 \$49,730
(AASERT) ELECTRONIC AND THERMAL STABILITY OF ATOMICALLY SHARP SILICON EMITTERS AT HIGH ELECTRIC FIELDS PENNSYLVANIA STATE UNIVERSITY	CULTER	BARKER 92-NE-156	\$49,730 01/12/91 \$49,730
(AASERT) STUDY OF ELECTRON PHYSICS IN CROSSED FIELD AMPLIFIERS NORTHEASTERN UNIVERSITY	CHAN	BARKER 92-NE-037	\$49,730 01/12/91 \$49,730
(AASERT) AUGMENTATION FUNDING FOR STUDY OF FERRITE MATERIALS UNIV OF MASSACHUSETTS	DAVID	WEINSTOCK 92-NE-148	\$49,730 01/12/91 \$49,730

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TGT AMT
ORGANIZATION OF 1992 ELECTRONIC SCIENCE TOPICAL MEETINGS			
OPTICAL SOCIETY OF AMERICA	JAPUS	SCHLOSSER 92-NE-155	Y 36 13/12/91 \$170,000
INVESTIGATIONS OF BAND GAP STRUCTURES/INTERVALLEY CARRIER DYNAMICS IN SI-GES, GaAs-AlGaAs/HP SEMICONDUCTORS BY PHOTOSECOND KINETICS CITY UNIVERSITY OF NEW YORK	POBBER	POBBERKE 92-NE-119	Y 36 13/11/91 \$50,000
STUDIES OF SI-GE ALLYSES AS INTERFACES WITH DRYGEN AS POROUS FILM FORMATION CITY UNIVERSITY OF NEW YORK	FEDERICK	POBBERKE 92-NE-135	Y 36 13/12/91 \$50,000
NONLINEAR OPTICAL PHENOMENA IN RANDOM MEDIA CITY UNIVERSITY OF NEW YORK	ROBERT	SCHLOSSER 92-NE-140	Y 36 14/12/91 \$50,000
(ASSET) UV REFLECTIVITY AND CATHODOLUMINESCENCE OF GaN, AlN, AND SiN-3C UNIV OF PITTSBURGH	ADAMS	POBBERKE 92-NE-052	Y 36 13/10/91 \$93,500
(ASSET) OPTICAL COHERENCE AND BANDWIDTH ALLOCATION TECHNIQUES FOR MULTIPROCESSOR INTERCONNECTIONS UNIV OF PITTSBURGH	STEVE	CRAIG 92-NE-086	Y 36 14/11/91 \$17,151
RECONFIGURABLE OPTOELECTRONIC MULTIPROCESSOR INTERCONNECTION STRUCTURES UNIV OF PITTSBURGH	DEVALD	CRAIG 92-NE-122	Y 36 13/11/91 \$55,590
(ASSET) POLYGRAPHIC STUDY OF ADVANCE WORCESTER POLYTECHNIC INSTITUTE	RYSCARD	SCHLOSSER 92-NE-157	Y 36 13/12/91 \$30,000
USING 100 TO IMPROVE VLSI SYSTEM QUALITY AND RELIABILITY MCMC CENTER FOR MICROELECTRONICS	GLENN	MITT 92-NE-137	Y 50 12/12/91 \$54,745

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
LARGE ARRAY SOLID MAGNETRONIC FOR USE TRANSMIT TECHNOLOGIES	PAULSEN	24 08/11/91 \$250,000	A WEINSTOCK 92-NE-123	\$188,000 15/02/92 \$250,000
THE PHYSICS OF SPIN-POLARIZED STATES PRINCETON UNIVERSITY	CATES, JR	24 08/11/91 \$412,290	A KELLEY 92-NE-113	\$298,519 01/03/92 \$612,280
(ASBEST) STUDENT TRAINING IN MOLECULAR OPTICS AND OPTICAL DEVICE FABRICATION CAMBRIDGE UNIVERSITY (CAMBRIDGE LAB)	BOARLEY	36 03/11/91 \$132,257	CRAIG 92-NE-117	
(ASBEST) STUDENT SUPPORT FOR PHOTOELECTRONICS RESEARCH COLORADO STATE UNIVERSITY	ROBINSON	26 01/11/91 \$149,000	POMREYKE 92-NE-057	
(ASBEST) OPTICAL BEHAVIOR OF QUANTUM CONFINED PARTICLES IN ELECTRIC HOST OKLAHOMA STATE UNIVERSITY	KUDRER	36 01/11/91 \$127,225	POMREYKE 92-NE-100	
THE DEVELOPMENT OF NOVEL OPTICAL MATERIALS VIA QUANTUM DOT-TOPOLOGY JOL-GEL HOSTS OKLAHOMA STATE UNIVERSITY	KUDRER	36 08/11/91 \$234,405	POMREYKE 92-NE-114	
(ESPSCG) OPTICAL GRATINGS AND MOLE-FORMING IN GLASS OKLAHOMA STATE UNIVERSITY	POWELL	26 04/12/91 \$175,990	CRAIG 92-NE-139	
(ESPSCG) OPTICAL BEHAVIOR OF QUANTUM CONFINED PARTICLES IN ELECTRIC HOSTS OKLAHOMA STATE UNIVERSITY	KUDRER	36 03/12/91 \$127,754	POMREYKE 92-NE-145	
(ASBEST) THIRD ORDER NONLINEARITIES IN SECOND HARMONIC ACTIVE MEDIA UNIV OF CENTRAL FLORIDA	STEGEMAN	36 03/11/91 \$143,974	CRAIG 92-NE-050	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(CAASERT) INTEGRATED OPTIC ELECTRONIC AND LOGIC GATE ARRAYS FOR PARALLEL OPTICAL SWITCHING AND COMPUTING ARCHITECTURES UNIV OF NEW MEXICO	JULIAN	N 26 01/11/91 \$93,125	CRAIG 92-NE-034	
(CAASERT) THERMAL LIMITATIONS IN TWO-DIMENSIONAL INTEGRATION AND BROAD-AREA SCALING OF HIGH-POWER VERTICAL-CAVITY SURFACE-EMITTING UNIV OF NEW MEXICO	STEVEN	N 26 01/11/91 \$93,913	SCHLOSSER 92-NE-095	
(CAASERT) LASER COOLING OF NEUTRAL ATOMS STATE UNIVERSITY OF NEW YORK	MARCLO	N 26 02/10/91 \$139,000	KELLEY 92-NE-051	
(CAASERT) TUNNELING SPECTROSCOPY OF ULTRASLOW METALLIC GRAINS AND CLUSTERS STATE UNIVERSITY OF NEW YORK	KONSTANTIN	N 26 04/11/91 \$154,320	WEINSTOCK 92-NE-104	
(CAASERT) PREPARATION AND STUDY OF QUANTUM SUPERCONDUCTOR- SEMICONDUCTOR STRUCTURES STATE UNIVERSITY OF NEW YORK	MICHAEL	N 26 05/11/91 \$142,980	WEINSTOCK 92-NE-106	
(CAASERT) STUDENT SUPPORT FOR THE STUDY OF HIGH POWER SOURCES STATE UNIVERSITY OF NEW YORK	JAMES	N 26 11/12/91 \$142,950	WEINSTOCK 92-NE-149	
1992 GORDON CONFERENCE ON POINT DEFECTS, LINE DEFECTS, AND INTERFACES IN SEMICONDUCTORS GORDON RESEARCH CONFERENCES INC	ALEXANDER	N 12 28/10/91 \$3,000	WITT 92-NE-039	
GORDON CONFERENCE ON MULTIPHOTON PROCESSES COLBY-SAWYER COLLEGE, NEW HAMPSHIRE GORDON RESEARCH CONFERENCES INC	ALEXANDER	N 12 02/12/91 \$10,000	SCHLOSSER 92-NE-131	
TIME DOMAIN SPECTRAL HOLE-BURNING STORAGE ISHI ALMADEH RESEARCH CENTER	MICHAEL	N 09 08/10/91 \$196,159	CRAIG 92-NE-004	

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TITLE (CONT.)
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DIAGNOSTICS AND METHODS FOR REAL-TIME LASER MICROCHEMISTRY

EHRLICH ASSOCIATES

EHRLICH

DANIEL

LASER MICROCHEMICAL PROCESSING INSTRUMENT

EHRLICH ASSOCIATES

EHRLICH

DANIEL

CAASERTD HIGH POWER MICROWAVES

TEXAS TECH UNIVERSITY

KRISTIANSEN

MAGNE

CAASERTD ANALYTICAL METHODS OF SOLUTIONS TO WAVE EQUATIONS FOR
NONLINEAR OPTICAL MATERIALS
KENT STATE UNIVERSITY

MOROI

DAVID

CAASERTD NEW APPROACHES TO ACCURACY ENHANCEMENT FOR OPTICAL
PROCESSORS
TEXAS TECH UNIVERSITY

WALKUP

JC4N

CAASERTD THE PARALLELIZATION OF FINITE-ELEMENT/FINITE DIFFERENCE/
RAY CODES FOR SCATTERING FROM CAVITIES WITH COMPLEX TERMINATIONS
CHIO STATE UNIVERSITY

LEE

ROBERT

A COMPUTATIONAL SEARCH AMONG SEMICONDUCTOR CRYSTALS FOR SUPERIOR
MATERIALS FOR SECOND HARMONIC GENERATION
CHIO STATE UNIVERSITY

LEVINE

ZACHARY

DEVELOPMENT AND APPLICATION OF BULK AND NEAR-SURFACE LASER
DIAGNOSTICS FOR PLASMA PROCESSING
CHIO STATE UNIVERSITY

MILLER

TERRY

NEW NON-PERTURBATIVE PROCESSES FROM QED

IOWA STATE UNIVERSITY PRESS

VARV

JAMES

TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
N 24 02/12/91 \$91,000	A SCHLOSSER 92-NE-130	
N 24 04/12/91 \$499,300	SCHLOSSER 92-NE-143	
N 36 22/10/91 \$133,174	BARKER 92-NE-021	
N 36 25/10/91 \$94,275	CRAIG 92-NE-024	
N 36 23/10/91 \$223,404	CRAIG 92-NE-038	
N 36 12/12/91 \$71,735	CRAIG 92-NE-152	
N 36 17/12/91 \$451,391	POMRENKE 92-NE-154	
N 36 20/12/91 \$269,319	KELLEY 92-NE-161	
N 36 26/11/91 \$416,663	KELLEY 92-NE-128	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT. AMT.
VINCENTH ANNUAL CONFERENCE ON THE PHYSICS AND CHEMISTRY OF SEMICONDUCTOR INTERFACES (CSCI-1P) DR. THOMAS J. MATSON RESEARCH CENTER	ADDALL	N 03 04/12/91 \$13,500	A POMRENKE 92-NE-142	\$13,500 15/01/92 \$13,500
(CAASERT) TRANSPORT PROCESSES IN PLASMAS RUTGERS - THE STATE UNIVERSITY	LEECHWITZ	N 36 03/10/91 \$247,879	BARKER 92-NE-005	
(CAASERT) ELECTRICAL AND OPTICAL PROPERTIES OF EPITAXIAL GASES, ALGAS, Si, SiGe/Si SUPERLATTICE AIR FORCE INSTITUTE OF TECHNOLOGY	YEO	N 36 13/11/91 \$99,434	POMRENKE 92-NE-124	
(CAASERT) EXPERIMENTS FOR PLASMA CLOAKING RESEARCH MASSACHUSETTS INSTITUTE OF TECHNOLOGY	LEE	N 36 02/10/91 \$294,157	BARKER 92-NE-001	
(CAASERT) STUDY OF QUANTUM MECHANICAL EFFECTS IN BASED-EFFECT-CONTROLLED SEMICONDUCTOR NANOSTRUCTURES MASSACHUSETTS INSTITUTE OF TECHNOLOGY	ANTONIADIS	N 36 17/10/91 \$196,045	MITT 92-NE-016	
OPTICAL METROLOGY OF MAGNETICALLY TRAPPED HYDROGEN MASSACHUSETTS INSTITUTE OF TECHNOLOGY	KLEPPNER	N 12 25/10/91 \$135,000	KELLEY 92-NE-026	\$135,000 01/02/92 \$135,000
(CAASERT) LASER ABLATED MULTILAYER STRUCTURES EMPLOYING THE HIGH-TC MATERIAL BKKO MASSACHUSETTS INSTITUTE OF TECHNOLOGY	TEOROW	N 36 28/10/91 \$186,897	WEINSTOCK 92-NE-043	
(CAASERT) OPTICAL FREQUENCY METROLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	KLEPPNER	N 36 30/10/91 \$195,460	KELLEY 92-NE-054	
STUDY OF IMPROVED CRITICAL CURRENTS AND MECHANICAL PROPERTIES IN THE YBCO-CUO ₂ SUPERCONDUCTOR WITH SILVER OR Y2BaCuO3 DISPERSIONS COLUMBIA UNIVERSITY	SIU-WAI	N 24 15/10/91 \$39,999	A WEINSTOCK 92-NE-011	\$19,999 01/03/92 \$39,998

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
CAASERT) HIGH SPEED ELECTRO-OPTICAL MODULATOR FABRICATED WITH LASER PROCESSING COLUMBIA UNIVERSITY	RISGODD, JR	N 36 01/11/91 \$197,470	SCHLOSSBER 92-NE-064	
CAASERT) SUPERCONDUCTIVITY OF THE FULLERENES AND SCANNING TUNNELING MICROSCOPY OF NOVEL SUPERCONDUCTORS STANFORD UNIVERSITY	SEASLEY	N 36 04/11/91 \$309,152	WEINSTOCK 92-NE-038	
CAASERT) LASER COOLING AND TRAPPING OF NEUTRAL PARTICLES STANFORD UNIVERSITY	CHU	N 36 04/11/91 \$179,299	KELLEY 92-NE-096	
CAASERT) EXPERIMENTAL STUDIES OF THE IRREVERSIBILITY LINE IN HIGH-TC SUPERCONDUCTORS AND MODEL SYSTEMS STANFORD UNIVERSITY	KAF 'ULNIK	N 36 04/11/91 \$154,576	WEINSTOCK 92-NE-101	
CAASERT) GENERATION AND APPLICATION OF INTENSE TERAHERTZ EM RADIATION FROM PHOTOVOLTAIC DEVICES COLUMBIA UNIVERSITY	AUSTON	N 36 05/11/91 \$195,579	SCHLOSSBER 92-NE-108	
A PROGRAM OF RESEARCH IN LASER OSCILLATOR PHYSICS AND LASER DEVICE PERFORMANCE STANFORD UNIVERSITY	SIEGMAN	N 36 04/12/91 \$749,165	SCHLOSSBER 92-NE-141	
STUDIES OF IN-VACUUM PASSIVATED GALLIUM ARSENIDE SURFACES WESLEYAN UNIVERSITY	DOERING	N 36 20/12/91 \$235,889	POMRENKE 92-NE-158	
CAASERT) INDIUM AND ANTIMONY BASED III-V MICROSTRUCTURES WITH NOVEL ELECTRONIC PROPERTIES CALIFORNIA INSTITUTE OF TECHNOLOGY	MCGILL	N 36 01/11/91 \$263,771	POMRENKE 92-NE-066	
CAASERT) ADDITIONAL STUDIES OF EXTREMELY HIGH FREQUENCY ELECTRO- OPTIC MODULATORS AND THEIR APPLICATIONS CALIFORNIA INSTITUTE OF TECHNOLOGY	BRIDGES	N 36 23/12/91 \$147,363	CRAIG 92-NE-163	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
CAASERT) RESEARCH ON NONLINEAR X-RAY OPTICS JOHNS HOPKINS UNIVERSITY	KAPLAN ALEXANDER	N 36 01/11/91 \$103,946	SCHLOSSEER 92-NE-053	
CAASERT) VISIBLE LIGHT MODULATION BASED ON SEMICONDUCTOR HETEROSTRUCTURES JOHNS HOPKINS UNIVERSITY	KHUPGIN JACOB	N 36 01/11/91 \$113,590	CRAIG 92-NE-070	
CAASERT) SPATIAL LIGHT MODULATORS WITH ARBITRARY QUANTUM WELL PROFILES -ARIZONA STATE UNIVERSITY	MARACAS GEORGE	N 36 01/11/91 \$230,668	POMRENKE 92-NE-075	
POLYMER OPTICAL INTERCONNECTIONS FOR SILICON MULTI-CHIP WAFER AREA NETWORKS WEST VIRGINIA UNIVERSITY	HORNIK LAWRENCE	N 36 12/11/91 \$429,882	CRAIG 92-NE-121	
MATERIALS FOR HIGH-POWER LASER APPLICATIONS: POINT DEFECTS IN KTP CRYSTALS WEST VIRGINIA UNIVERSITY	LARRY LARRY	N 36 25/11/91 \$473,539	POMRENKE 92-NE-129	
CAASERT) HIGH POWER MICROWAVE AND ELECTRON ACCELERATOR STUDIES: AUGMENTATION AWARD CORNELL UNIVERSITY	MATCH JOHN	N 36 25/10/91 \$219,250	PARKER 92-NE-035	
CAASERT) OPTICAL SPECTROSCOPES OF CLEAN AND MODIFIED GERMANIUM SURFACES CORNELL UNIVERSITY	WILSON WILSON	N 34 01/11/91 \$193,438	POMRENKE 92-NE-073	
CAASERT) DIAGNOSTICS OF SELF-EMITTING STRUCTURES USING NEAR FIELD TECHNOLOGY CORNELL UNIVERSITY	ISAACSON MICHAEL	N 36 01/11/91 \$161,145	POMRENKE 92-NE-074	
CAASERT) STUDY OF CARRIER DYNAMICS IN STRAINED-LAYER QUANTUM WELL LASERS VIA ULTRA-SHORT OPTICAL PULSE PROBING CORNELL UNIVERSITY	EASTMAN LESTER	N 36 04/11/91 \$125,801	WITT 92-NE-090	

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(ASSET) HIGH POWER MICROWAVE AND ELECTRON ACCELERATOR STUDIES:
 AUGMENTATION JAWARD
 CORNELL UNIVERSITY

INVESTIGATOR

MATCH

JOHN

(ASSET) STUDIES OF MILLIMETER WAVE OPTICAL SOURCE AND SMALL RING
 LASERS ON SILICON
 CORNELL UNIVERSITY

BALLANTYNE

JOSEPH

TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
N 26 05/11/91 \$193,312	BARKER 92-NE-109	
N 36 12/12/91 \$223,613	CRAIG 92-NE-151	

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TITLE TITLE CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPCAL #	INITIATE START DATE TOT AMT.
RESEARCH TRAINING OF THE EFFECTS OF TOXIC SUBSTANCES ON THE LUNGS UNIV OF ARIZONA	WITMEN	N 36 01/10/91 \$124,345	CERVENY 92-NL-001	
DIRECT AND LARGE SIMULATION OF GEOPHYSICAL FLUIDS UNIV OF COLORADO	SIRCHSEN	N 36 01/10/91 \$185,684	STOBIE 92-NL-002	
AIRBORNE WIGWAG/RADIOMETRIC STUDY OF CIRCUS CLOUD EFFECTS ON INFRAR FOR PROPAGATION AND TARGETING SENSOR PERFORMANCE SRI INTERNATIONAL	UTHE	N 36 02/10/91 \$492,655	STOBIE 92-NL-007	
REPEATED MEASURES OF COGNITIVE TESTS: IMPLICATIONS FOR THEORY ESSEX CORPORATION	KENNEDY	N 36 07/10/91 \$300,553	FREGLY 92-NL-010	
THE DEVELOPMENT OF A SITUATION ASSESSMENT/EMULSION-WATCHING THEORE TICAL APPROACH TO DECISION MAKING IN STRESSFUL SITUATIONS MONEYWELL INC	JOHNS	N 24 07/10/91 \$299,509	FREGLY 92-NL-011	
EXPLORATION OF TIMING RELATIONSHIPS IN NEURAL ACTIVITY UNIV OF MARYLAND	JUDITH	N 36 07/10/91 \$429,727	HADDAD 92-NL-013	
NUMERICAL MODELING AND PARAMETERIZATION OF GRAVITY WAVE PROCESSES AND EFFECTS IN THE ATMOSPHERE UNIV OF COLORADO	DAVE	N 24 03/10/91 \$170,392	A STOBIE 92-NL-015	\$84,082 01/01/92 \$170,982
TWELFTH ANNUAL CARMEL CONFERENCE UNIV OF ILLINOIS	EMANUEL	N 12 09/10/91 \$14,354	A FREGLY 92-NL-016	\$14,954 01/01/92 \$14,954
THEORETICAL ASSESSMENT OF RETINAL DAMAGE MECHANISMS FROM 5 NANJSEC PULSES TO 10 PICOSECONDS UNIV OF MISSOURI	PETER	N 12 11/10/91 \$79,964	CERVENY 92-NL-022	

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SPATIAL AND TEMPORAL INTERPOLATION IN VISUAL OBJECT PERCEPTION SWANMORE COLLEGE	KELLMAN PHILIP	N 48 17/10/91 \$409,927	TANGNEY 92-VL-025	
DETERMINATION OF MULTIPLE SOUND SOURCES LOYOLA UNIVERSITY	YOST WILLIAM	N 36 13/10/91 \$393,536	TANGNEY 92-NL-026	
COMPARING PERFORMANCE IN IMPLICIT MEMORY TESTS RICE UNIVERSITY	ROEDIGER, III HENRY	N 60 13/10/91 \$580,399	FREGLY 92-NL-027	
CIRCUIT ANALYSIS AND COMPUTATIONAL MODEL OF DREPPANT CONDITIONING IN HAPLYSIA YALE UNIVERSITY	CAREW THOMAS	N 36 13/10/91 \$139,090	HADDAD 92-NL-028	
THE MECHANISMS AND EFFECTS OF THE PLANT ACTIVATION OF CHEMICALS IN THE ENVIRONMENT UNIV OF ILLINOIS	PLEWA MICHAEL	N 36 22/12/91 \$115,191	CERVENY 92-NL-032	
COMPARATIVE TOXICITY OF HALOGENATED HYDROCARBONS: MOLECULAR ASPEC TS UNIV OF SURREY	GIESSEN S	N 12 25/10/91 \$60,573	A CERVENY 92-VL-039	\$60,573 01/01/92 \$60,573
PROCESSES INVOLVED IN THE INTEGRATION OF PICTURES AND DISCOURSE UNIV OF WISCONSIN	GLENSERG ARTHUR	N 36 23/10/91 \$204,311	FREGLY 92-NL-043	
ROLE OF SULFATION IN POLYAROMATIC HYDROCARBON TOXICITY UNIV OF ALABAMA	ALANY CHARLES	N 36 23/10/91 \$310,397	D CERVENY 92-VL-048	
DECONTAMINATION OF SOIL BY BIOREMEDIATION TECHNIQUE: BIODEGRADATION OF P-PENTACHLOROPHENOL, NAPHTHALENE AND CRESOTE UNIV OF MISSOURI	PURI RAVI	N 36 23/10/91 \$332,377	D CERVENY 92-NL-049	

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INTERDISCIPLINARY TRAINING IN LIFE SCIENCES

UNIV OF MARYLAND

INVESTIGATOR

STEINMAN

ROBERT

CHARACTERIZATION OF PROPAGATION AND COMMUNICATION PROPERTIES OF THE
NATURAL AND ARTIFICIALLY DISTURBED ATMOSPHERE
UNIV OF LOWELL

REINISCH

EDUC

CALCULATION OF SELF-BROADENED LINE WIDTHS AND DATABASE MAINTENANCE
FOR HITRAN
UNIV OF LOWELL

GAMACHE

ROBERT

ATMOSPHERIC IONIZATION BY SOLAR PARTICLES DETECTED BY NITRATE MEAS-
UREMENTS IN ANTARCTIC SNOW
UNIV OF KANSAS

ORRISCHME

GISELA

CONTROL OF CIRCADIAN BEHAVIOR BY LIGHT AND TRANSPLANTED SUPRACHIAS-
MATIC NUCLEI
UNIV OF VIRGINIA

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MICHAEL

BASIC MECHANISMS AND IMPLICATIONS OF NON-EMOTIC ENTRAPMENT OF CIR-
CADIAN RHYTHMICITY
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CAUTER

EVE

STATISTICAL ANALYSIS OF THE USAF HIGH LATITUDE METEOR SCATTER TEST
RAW DATA
UNIV OF LOWELL

REINISCH

EDUC

THEORETICAL MOLECULAR SPECTROSCOPY APPLIED TO MOLECULAR SPECIES OF
THE TERRESTRIAL ATMOSPHERE
UNIV OF LOWELL

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DYNAMICS AND ELECTRODYNAMICS OF THE UPPER ATMOSPHERE

BOSTON UNIVERSITY

FORRES

JEFFREY

TYPE/MONTHS
RECEIVED
AMOUNT

1 36
11/11/91
\$329,912

TANGNEY
92-NL-037

1 13
11/10/91
\$200,000

STOBIE
92-NL-059

1 12
11/10/91
\$30,000

STOBIE
92-NL-060

1 36
01/11/91
\$73,306

RAOOSKI
92-NL-063

1 26
01/11/91
\$156,157

HAGDAD
92-NL-065

1 36
05/11/91
\$361,901

HAGDAD
92-NL-071

1 36
06/11/91
\$105,069

STOBIE
92-NL-075

1 36
05/11/91
\$105,069

STOBIE
92-NL-076

1 36
05/11/91
\$210,576

STOBIE
92-NL-077

INITIATE
START DATE
TOT AMT

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ORIGINS OF MICROSECOND-SCALE ELECTRIC FIELDS RADIATED FROM HUMIDITY STORAS UNIV OF ALABAMA	EMEN	" 36 12/11/91 \$130,392	STOBIE 92-NL-092	
MOLECULAR PROCESSES AND BIOFLUORESCENT APPARATUS IN ECOLOGICAL OPTIMIZATION OF BIOREMEDIATION UNIV OF TENNESSEE	SAYLER	" 36 12/11/91 \$111,759	CERVENY 92-NL-097	
NEURAL MODELS OF VISUAL PERCEPTION BOSTON UNIVERSITY	STEFAN	" 36 12/11/91 \$193,323	TANGNEY 92-NL-093	
VISUAL DETERMINANTS OF OPEN-LOOP ADJUSTING UNIV OF HOUSTON	REDELL	" 24 12/11/91 \$177,124	TANGNEY 92-NL-093	
ATTENTIONAL ACTIVATION AND PERCEPTUAL PROCESSING BOMONA COLLEGE	BANKS	" 36 12/11/91 \$178,259	FREGLY 92-NL-094	
RELATIONSHIP BETWEEN LIPID COMPOSITION, TROPIC STATUS, AND TOXICITY OF LIPOPHILIC COMPOUNDS TO PHYTOPLANKTON UNIV OF MICHIGAN	SCAR	" 36 12/11/91 \$147,129	CERVENY 92-NL-097	
ERRORS IN SKILL PERFORMANCE UNIV OF UTAH	WELTZ	" 24 12/11/91 \$139,334	FREGLY 92-NL-098	
APPLICATION OF DIFFERENTIAL INVERSION TO CMSP MICROWAVE SCUDER DA BOSTON UNIVERSITY	WOMLFELD	" 24 12/11/91 \$173,774	STOBIE 92-NL-100	
APPLICATION OF DIFFERENTIAL INVERSION TO CMSP MICROWAVE SCUDER DA BOSTON UNIVERSITY	WOMLFELD	" 24 12/11/91 \$173,774	STOBIE 92-NL-101	

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MAGNETOSPHERIC STRUCTURE AND DYNAMICS: ASPECT SUPPLEMENT BOSTON UNIVERSITY	HUGHES	" 36 09/12/91 \$210,574	PADOSKI 92-NL-110	
IMPROVED MODELS OF THE MAGNETOSPHERIC LOW LATITUDE BOUNDARY LAYER DARTMOUTH COLLEGE	FINNEDUP	" 36 09/12/91 \$104,673	PADOSKI 92-NL-111	
A GRADUATE STUDENT TRAINING PROGRAM ON LOWER THERMOSPHERIC TIDES D VERMONT COLLEGE UNIV OF MICHIGAN	COLLEEN	" 26 17/12/91 \$111,476	STOBIE 92-NL-117	
A SELF-ORGANIZING NEURAL NETWORK ARCHITECTURE FOR AUDITORY AND SPE ECH PERCEPTION, ACQUISITION AND TEMPORAL PREDICTION BOSTON UNIVERSITY	COHEN	" 36 09/12/91 \$433,002	TANGNEY 92-NL-126	\$165,436 01/05/92 \$483,436
CRUSTAL STRUCTURE OF THE SOUTHWESTERN UNITED STATES UNIV OF TEXAS, EL PASO	KELLER	" 36 06/11/91 \$110,047	STOBIE 92-NL-081	
SPECTRAL SHAPE AS ACOUSTIC CUES FOR SPEECH PERCEPTION OLD DOMINION UNIV FISH FOUNDATION INC.	SAMORIAN	" 24 10/12/91 \$353,452	TANGNEY 92-NL-114	
ALTERATION OF MACROPHAGE CHEMOTACTIC RESPONSE BY OXYGEN AMERICAN REGISTRY OF PATHOLOGY	MEHM	" 12 03/12/91 \$13,596	CERVENY 92-NL-107	\$33,180 15/02/92 \$33,180
EFFECT OF SARCOPLASTS AND HYDROLYSIS ON LIPID DEGRADATION IN HYPO XIC NEURONS AMERICAN REGISTRY OF PATHOLOGY	MEHM	" 12 03/12/91 \$13,596	CERVENY 92-NL-108	\$33,180 15/02/92 \$33,180
INTEREST, METACOGNITION, AND THE DETECTION OF INCONSISTENCIES CITY COLLEGE - CUNY	TORIAS	" 12 03/10/91 \$25,000	FREGLY 92-NL-014	

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OBSERVATIONAL CASE STUDIES AND DIAGNOSTIC ANALYSES OF LONG-LIVED, LARGE-AMPLITUDE INERTIA-GRAVITY WAVES STATE UNIVERSITY OF NEW YORK	POSART LANCE	N 36 12/11/91 \$537,473	STOBIE 92-NL-004	
THE EARTH'S LOW ENERGY GEOTON ENVIRONMENT AND VERTICAL TRANSPORT OF MATERIAL IN THE EQUATORIAL ATMOSPHERE UNIV OF ARKANSAS/PINE BLUFF	WIAH M	N 36 17/12/91 \$660,329	STOBIE 92-NL-115	
ASSESSMENT OF SORT ERRORS DUE TO SOLAR FLARES: INVESTIGATIONS BAS ED UPON SRI-1, EXOS-C, AND WDA MISSIOM'S UNIV OF ARKANSAS/PINE BLUFF	WIAH M	N 36 17/12/91 \$660,329	STOBIE 92-NL-116	
AUGMENTATION OF RESEARCH ON COGNITIVE CONTROL WASHINGTON STATE UNIVERSITY	WHITNEY PAUL	N 36 30/10/91 \$102,633	FREGLY 92-NL-050	
INTERACTION OF OXIDANTS WITH UNSATURATED PHOSPHATIDYLCHOLINE COMPO NENTS OF PULMONARY SURFACTANT: INDICATORS OF THE INFLAMMATORY RES. CALIFORNIA STATE UNIVERSITY, FULLERTON	FINLAYSON-PITTS S	N 40 23/10/91 \$590,537	CERVENY 92-NL-045	
THE RECOVERY AND RECOGNITION OF THREE DIMENSIONAL SHAPES: FORMAL AND EMPIRICAL STUDIES UNIV OF CALIFORNIA	HOFFMAN DONALD	N 36 13/10/91 \$570,975	TANGNEY 92-NL-030	
SPATIO-TEMPORAL MASKING IN HUMAN VISION AND ITS APPLICATION TO IMA GE CODING UNIV OF CALIFORNIA	KLEIN STANLEY	N 36 13/11/91 \$179,292	TANGNEY 92-NL-091	
SYNAPTIC PLASTICITY AND MEMORY FORMATION UNIV OF CALIFORNIA	LYNCH GARY	R 48 15/12/91 \$1,351,143	HADDAD 92-NL-121	
CRUST AND UPPER MANTLE STRUCTURE BENEATH THE IRIS/IDA SEISMIC STAT IONS IN EURASIA UNIV OF CALIFORNIA, SAN DIEGO	MINSTER J	N 36 17/12/91 \$81,323	STOBIE 92-NL-118	

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EFFECTS OF THE RESUSPENSION OF SPERMATOZOA ON THE RATE AND DEGRADATION OF DNA AND OTHER ORGANIC CONTAMINANTS UNIV OF RHODE ISLAND	LATIMER	N 36 12/11/91 \$207,559	CERVENY 92-NL-385	
A THEORETICAL AND NUMERICAL INVESTIGATION OF THE ROLE OF INERTIAL-GRAVITY WAVES IN EXPLOSIVE CYCLOGENESIS NORTH CAROLINA STATE UNIVERSITY	LIN	N 36 02/10/91 \$345,552	STOBIE 92-NL-075	
NONLINEAR ANALYSIS OF VISUAL CORTICAL NEURONS UNIV OF MASS-MEDICAL CENTER	JACOBSON	R 36 01/11/91 \$733,618	TANGNEY 92-NL-058	
IN VIVO MEASUREMENT IN PARABOLIC OF CEREAL ENERGY AND BRAIN PH DURING EXPOSURE TO HYPERBARIC OXYGEN CYCLOPHOSPHORUS-31 LOCALIZED... HARVARD MEDICAL CENTER	WARTHOPE	N 10 27/11/91 \$5,004	CERVENY 92-NL-039	\$5,004 01/12/91 \$5,004
COMPUTER MODELING STUDIES OF THE INFLUENCE OF CELESTIAL BACKGROUNDS RENSSELAER POLYTECHNIC INSTITUTE	LEUNG	N 36 01/11/91 \$264,093	RADOSKI 92-NL-062	
CELLULAR ANALYSIS OF THE STARTLE REFLEX YALE UNIVERSITY SCHOOL OF MEDICINE	DAVIS	R 36 23/10/91 \$293,016	MAOAO 92-NL-041	
MULTIPLE INPUT-MULTIPLE OUTPUT SACCADIC EYE MOVEMENT NEUROSENSORY CONTROL NORTH DAKOTA STATE UNIVERSITY	ENDERLE	N 36 07/10/91 \$157,548	TANGNEY 92-NL-012	
MICROWAVE-INDUCED CYTOTOXICITY AND DNA DAMAGE IN YEAST UNDER OXIDATIVE STRESS PENNSYLVANIA STATE UNIVERSITY	GRAETIER	N 24 20/12/91 \$151,875	MADDAD 92-NL-124	
GRADUATE STUDENT SUPPORT FOR OPTICAL REMOTE SENSING OF ATMOSPHERIC WINDS OREGON GRADUATE CENTER FOR STUDY & RESEARCH	MOLMES	N 36 29/10/91 \$143,476	STOBIE 92-NL-046	

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PULMONARY TOXICITY DUE TO CHEMISED ORGANIC SOLVENT EXPOSURES NORTHEASTERN UNIVERSITY	SCHWARTZ ROBERT	36 12/10/91 \$256,449	CERVENY 92-NL-044	
HEPATIC TOXICITY OF PERFLUOROCARBOXYLIC ACIDS WRIGHT STATE UNIVERSITY	PEC MICHAEL	36 12/11/91 \$93,325	CERVENY 92-NL-095	
MARINE BOUNDARY-LAYER PARAMETERIZATIONS FOR LARGE-SCALE MODELS: A DATA ANALYSIS AND MODEL VERIFICATION OREGON STATE UNIVERSITY	MAHRT LARRY	36 12/12/91 \$112,257	STOBIE 92-NL-119	
BIOLOGICAL AND THEORETICAL STUDIES OF ADAPTIVE NETWORKS: THE COND ITIONED RESPONSES UNIV OF MASSACHUSETTS	WONKE JOHN	36 12/10/91 \$95,529	HADDAD 92-NL-033	
ADAPTIVE NETWORKS DYNAMICS UNIV OF MASSACHUSETTS	WONKE JOHN	36 12/10/91 \$340,175	HADDAD 92-NL-054	
BIOLOGICAL AND THEORETICAL STUDIES OF ADAPTIVE NETWORKS: THE COND ITIONED RESPONSES UNIV OF MASSACHUSETTS	WONKE JOHN	36 12/11/91 \$221,793	HADDAD 92-NL-096	
ECOLOGICAL TREATMENT OF SOIL, SURFACE AND GROUNDWATER CONTAMINATED WITH PETROLEUM PRODUCTS UNIV OF MASSACHUSETTS	GUNNER HARV	36 12/11/91 \$300,000	CERVENY 92-NL-102	
DETERMINATION OF THE SOL STELLAR CONTENT OF YOUNG HEAVY STAR CLU STERS UNIV OF MASSACHUSETTS	SKRUTSKIE MICHAEL	36 12/12/91 \$153,356	RADOSKI 92-NL-112	
CHARACTERIZATION OF THE "M RECEPTOR" IN NON-MAMMALIAN SPECIES ACROSS MOLE OCEANOGRAPHIC INSTITUTE	MAHNI MARK	36 12/11/91 \$105,757	CERVENY 92-NL-088	

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BIOREMEDIATION OF NITROAROMATIC CONTAMINANTS UNIVERSITY OF IDAHO	CRAWFORD RONALD	Y 36 12/12/91 \$145,220	CORNETTE 92-NL-112	
NEW CHARACTERIZATION OF POLYMERS FORMED BY DIAZOTIZING MIXTURES OF LUMINOUS AND 3-AMINO-L-TYROSINE SOUTHEASTERN KALAHOMAST U-PHYS SOC OPT	WRIGHT JOHN	R 12 10/10/91 \$44,556	CERVENY 92-NL-012	
CEREBELLAR CIRCUIT MECHANISMS WHICH ACCOMPANY COORDINATED LIMB TRA JECTORY PATTERNS IN THE RAT: USE OF A MODEL OF SPONTANEOUS CHANGES HANNEMANN UNIVERSITY	SMITH SHEPHERD	Y 68 16/10/91 \$517,652	HADDAD 92-NL-024	
IMPACT OF THE NORADRENERGIC LC SYSTEM ON ITS CORTICAL & SUBCORTICA L TARGETS: CELLULAR SUBSTRATES OF VIGILANCE HANNEMANN UNIVERSITY	JONES GARY	Y 36 05/11/91 \$252,333	HADDAD 92-NL-073	
GRADUATE TRAINING IN ENVIRONMENTAL TOXICOLOGY CREIGHTON UNIVERSITY	STOWS SIDNEY	Y 36 03/12/91 \$192,746	CORNETTE 92-NL-106	
THE ROLE OF GAP-JUNCTIONAL COMMUNICATION IN CHEMICAL TOXICOLOGY MICHIGAN STATE UNIVERSITY	TROSKO JAMES	Y 36 21/10/91 \$505,205	CERVENY 92-NL-031	
WILD MAMMALIAN MONITORS FOR ASSESSING IMPACTS OF PETROCHEMICALS ON TERRESTRIAL ECOSYSTEMS OKLAHOMA STATE UNIVERSITY	LOCHMILLER ROBERT	Y 36 25/10/91 \$135,106	CERVENY 92-NL-038	
REFINEMENTS IN CLOUD MICROPHYSICS AND ADDA IN SUPPORT OF NUMERICAL CLOUD PREDICTION COLORADO STATE UNIVERSITY	COTTON WILLIAM	Y 36 06/11/91 \$256,695	STOBIE 92-NL-079	
VISUAL DISCRIMINATION AND CATEGORICAL PERCEPTION: THE SPEED OF CA TEGORICAL AND NON-CATEGORICAL DECISIONS MOUNT SINAI SCHOOL OF MEDICINE	HOLLNER IVAN	Y 36 20/12/91 \$607,558	FREGLY 92-NL-125	

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ANALYSIS AND SIMULATION OF ADAPTIVE NEURAL CIRCUITS UNIV OF TEXAS HEALTH SCIENCE CTR	BYRNE JOHN	HAGDAD 92-NL-055	
ROLE OF ASCORBIC ACID METABOLISM IN REGULATING LASER-INDUCED PHOTO OXIDATIVE DAMAGE IN THE EYE UNIV OF TEXAS HEALTH SCIENCE CTR	GLICKMAN RANDOLPH	CERVENY 92-NL-067	
THE ROLE OF HYPERBAPIC OXYGEN AS A PROPHYLAXIS FOR RADIATION ENTER ITIS UNIV OF TEXAS HEALTH SCIENCE CTR	FELDMER JOHN	A CERVENY 92-NL-104	\$15,775 15/02/92 \$15,775
AN EXPERIMENTAL AND THEORETICAL STUDY OF CHARGE TRANSFER BETWEEN ICE SURFACES AND RELATED STUDIES UNIV OF WASHINGTON	BAKER MARCIA	STOBIE 92-NL-003	
PATTERN RECOGNITION TECHNIQUES FOR THE EVALUATION OF TOXICANT IMPA CTS AND RISKS TO MULTISPECIES SYSTEMS WESTERN WASHINGTON UNIVERSITY	LANDIS WAYNE	CERVENY 92-NL-051	
RECEPTIVE FIELD NEURAL NETWORK ANALYSIS OF COLOR CONSTANCY AND COL OR CONTRAST UNIV OF PENNSYLVANIA	SUCHSBAUM JEREMY	TANGNEY 92-NL-052	
SPATIALLY ORGANIZED CONCEPTUAL INFORMATION TEXAS CHRISTIAN UNIVERSITY	DANSEREAU DONALD	FREGLY 92-NL-056	
COMPARATIVE EFFECTS OF AIR FORCE FUEL COMPONENTS ON NORMAL HUMAN E PIGMENTAL KERATINOCYTES & SYNTHETIC HUMAN SKIN EQUIVALENTS-MECH.... STATE UNIVERSITY OF NEW YORK	VAN BUSKIRK ROBERT	CERVENY 92-NL-105	
BIOTRANSFORMATION OF TOXIC METALS BY BACTERIA MEHARRY MEDICAL COLLEGE	BLAKE II ROBERT	CERVENY 92-NL-020	

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SUBLETHAL TOXICANT CONCENTRATION EFFECTS ON CULTURED CELLS MENAPHY MEDICAL COLLEGE	WOTOK JAMES	N 36 13/10/91 \$204,128	CERVENY 92-NL-039	
GRADUATE ASSISTANTSHIP TO SUPPLEMENT AIR FORCE GRANT MENAPHY MEDICAL COLLEGE	BLAKE II ROBERT	N 36 13/11/91 \$123,913	CERVENY 92-NL-092	
VISUAL INFORMATION PROCESSING WITH SEQUENTIALLY PRESENTED DATA FROM LONG ISLAND UNIVERSITY	HATCH ETHEL	N 36 13/10/91 \$167,333	TANGNEY 92-NL-029	
VALIDATION OF FIRST-PRINCIPLES MODEL CALCULATIONS OF THE UPPER ATM OSPHERE UTAH STATE UNIVERSITY	NICKWAR VINCENT	N 36 11/10/91 \$235,129	STOBIE 92-NL-021	
MECHANISMS OF VOLATILE CONTAMINANT AND CELL INTERACTIONS WITH SOIL PARTICLES AND THEIR ROLE IN REMEDIATION WASHINGTON UNIVERSITY	PROKOP ALES	N 48 20/10/91 \$440,303	CERVENY 92-NL-053	
SCALING KINETIC TOXICOKINETICS UPON FISH AND MAMMALS OHIO STATE UNIVERSITY	HAYTON WILLIAM	N 36 01/11/91 \$122,209	CERVENY 92-NL-066	
PARALLEL FINITE ELEMENT SEMI-LAGRANGIAN SCHEME FOR SHALLOW WATER EQ NATIONS NAVAL POST GRADUATE SCHOOL	NETA SEMY	N 24 11/10/91 \$123,296	STOBIE 92-NL-023	
MOLECULAR TOXICOLOGY OF CHROMATIN SAN FRANCISCO STATE UNIVERSITY	KUN ERNEST	N 36 10/10/91 \$500,000	CERVENY 92-NL-019	
APPLYING HISTOGRAM, CONTRAST ANALYSIS TO TEXTURE PERCEPTION RUNGERS - THE STATE UNIVERSITY	CHURB CHARLES	N 36 05/11/91 \$404,965	TANGNEY 92-NL-074	

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WILSON HILL PACAR STUDIES OF PLASMA WAVES AND TURBULENCE MASSACHUSETTS INSTITUTE OF TECHNOLOGY	JOHN FOSTER	35 21/10/91 \$99,975	STOBIE 92-NL-058	
NEUROTRANSMITTERS AND PHOSPHOLIPID METABOLISM MASSACHUSETTS INSTITUTE OF TECHNOLOGY	JURTVAN RICHARD	12 05/11/91 \$43,540	HADDAD 92-NL-072	
IMPLICATIONS OF THE SMALL SCALE STRUCTURE IN THE QUIET SUN FOR THE SOLAR WIND FLOW SMITHSONIAN INSTITUTION	HABBA SHADIA	35 21/11/91 \$130,999	RADOSKI 92-NL-064	
GLOBAL STUDIES OF THE ATMOSPHERE AND COSMOSPHERE WITH ACTIVE SPACE- BASED RADIO TECHNIQUES STANFORD UNIVERSITY	TYLER 3	24 10/10/91 \$481,520	STOBIE 92-NL-017	
MELANIN'S ROLE IN SON SENSITIVITY IN VITRO WESLEYAN UNIVERSITY	LYNCH 3	25 23/10/91 \$297,335	HADDAD 92-NL-040	
GRADUATE SUPPORT FOR RESEARCH IN INDUCED POSTERIOR REPRESENTATIONS STANFORD UNIVERSITY	TVERSKY BARBARA	35 24/10/91 \$265,506	FREGLY 92-NL-042	
EMOTIONAL FACTORS IN PERCEPTION AND MEMORY FOR FACES NEW YORK UNIVERSITY	SNODGRASS JOAN	36 01/11/91 \$147,402	FREGLY 92-NL-061	
HIGHER ORDER MECHANISMS OF COLOR VISION NEW YORK UNIVERSITY	KRAUSKOPF JOHN	36 02/12/91 \$214,750	TANSNEY 92-NL-103	
REGULARITIES IN RECOGNITION MEMORY NEW YORK UNIVERSITY	GLANZER MURRAY	24 30/12/91 \$109,521	FREGLY 92-NL-122	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
BIOPHYSICAL AND STOCHASTIC MECHANISMS IN SYNAPTIC TRANSMISSION RESEARCH NEW YORK UNIVERSITY MEDICAL CENTER	CLAYTON	36 12/12/91 \$225,557	MADDAD 92-NL-123	
RESEARCH TRAINING OF GRADUATE STUDENTS IN A DUAL-RELAXATION TIME OROLOGICAL RACAS PROJECT NEW MEXICO INSTITUTE OF TECHNOLOGY	KATHARINE PAUL	36 17/12/91 \$225,139	STOBIE 92-NL-120	
NONLINEAR DYNAMICS APPLIED TO ATMOSPHERIC PREDICTION FLORIDA STATE UNIVERSITY	DEEGER RICHARD	36 12/10/91 \$510,000	STOBIE 92-NL-006	
STUDIES OF THE EFFECT OF IMAGE DEGRADATION AND RECONSTRUCTION ON VI SUAL PERCEPTION ARIZONA STATE UNIVERSITY	JYAL WILLIAM	36 23/10/91 \$513,397	A TANGNEY 92-NL-037	\$150,000 01/03/92 \$450,000
DYNAMICAL AND STATISTICAL WEATHER PREDICTION USING EMPIRICAL ORTHO GONAL FUNCTIONS FLORIDA STATE UNIVERSITY	DEEGER RICHARD	36 19/10/91 \$193,549	STOBIE 92-NL-047	
ORIGINS OF SOLAR ACTIVITY JOHNS HOPKINS UNIVERSITY	RUST DAVID	36 05/11/91 \$1,734,000	RACOSKI 92-NL-069	
GRADUATE STUDENT TRAINING IN CHROMATOLOGY TEXAS A AND M UNIVERSITY	CASSONE VINCENT	36 05/11/91 \$133,075	MADDAD 92-NL-070	
4-HYDROXYALKANALS: QUANTITATIVE DETECTION BY GAS CHROMATOGRAPHY-WAS S. SPECTROMETRY AND INTERACTION WITH PROTEINS MONTANA STATE UNIVERSITY	VAN KUIJK FREDERICK J.G.M.	36 14/11/91 \$149,245	CERVENY 92-NL-095	
GRADUATE STUDENT INVOLVEMENT IN THE FORT PROQUEST CORNELL UNIVERSITY	KELLEY MICHAEL	36 04/11/91 \$147,222	STOBIE 92-NL-079	

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TITLE
TITLE (CONT.)
INSTITUTION

TRAINING OF STUDENTS IN ATMOSPHERIC RADAR DETECTION TECHNIQUES
CLEMSON UNIVERSITY

INVESTIGATOR
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A PROPOSAL TO SUPPLY AN RE RECEIVER FOR THE STATE SATELLITE AND PA
ASP DIAGNOSTICS
CORNELL UNIVERSITY

INVESTIGATOR
MICHAEL

RESEARCH TRAINING FOR UNDERSTANDING THE RATE OF ENVIRONMENTAL POLL
UTION
CORNELL UNIVERSITY

INVESTIGATOR
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GRADUATE FELLOWSHIPS AND RESEARCH TRAINING IN RADIOPHYSICS AND RAD
IO APPLICATIONS
CLEMSON UNIVERSITY

INVESTIGATOR
LEWIS

TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
" 36 05/11/91 \$11,500	STOBIE 92-NL-080	
" 36 07/11/91 \$11,500	STOBIE 92-NL-083	
" 36 12/11/91 \$11,777	CERVENY 92-NL-084	
" 36 08/12/91 \$11,097	STOBIE 92-NL-109	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT. AMT.
CAASERTD TOWARD AUTOMATED CANCER DIAGNOSIS: AN INTERACTIVE SYSTEM FOR CELL PICTURE EXTRACTION UNIV OF WISCONSIN	MANGASARIAN CLIVE	Y 36 17/10/91 \$125,135	GLASSMAN 92-NM-011	
CHAOS DUE TO SUB-BODY MOTION IN SPACECRAFT ATTITUDE MANEUVERS UNIV OF WISCONSIN	KAMMER DANIEL	Y 36 17/10/91 \$252,750	NACHMAN 92-NM-014	
HILBERT SPACE METHODS AND BOUNDARY CONDITIONS IN HYDRODYNAMICS UNIV OF IOWA	KNOER GEORGE	Y 36 21/10/91 \$444,921	NACHMAN 92-NM-016	
CAASERTD SOLUTIONS AND COMPUTATION UNIV OF COLORADO	ASLOWITZ MARK	Y 36 22/10/91 \$94,532	NACHMAN 92-NM-018	
CAASERTD DEVELOPMENT & ANALYSIS OF DIRECTION FINDING AND STATISTICAL SIGNAL PROCESSING METHODS YALE UNIVERSITY	NEHORAI ARYE	Y 36 22/10/91 \$280,577	SJOGREN 92-NM-022	
MULTIPARAMETER INTERACTIONS AND APPLICATIONS UNIV OF MISSOURI	CHICCHE CARMEN	Y 10 24/10/91 \$15,000	A LUPOL 92-NM-027	\$15,000 01/11/91 \$15,000
CEPSCORD A RESEARCH PROGRAM ON THE ASYMPTOTIC DESCRIPTION OF DISPERSIVE PULSE UNIV OF VERMONT	CUSHSTON KURT	Y 36 25/10/91 \$173,593	NACHMAN 92-NM-034	
MULTISCALE AND MULTISCALE INFORMATION REPRESENTATION, EXTRACTION AND FUSION UNIV OF MINNESOTA	TEWFIK AHMED	Y 12 25/10/91 \$29,999	A SJOGREN 92-NM-037	\$29,999 01/02/92 \$29,999
CAASERTD THEORETICAL ISSUES IN THIN-FILM GROWTH: STERIC EFFECTS IN DIFFUSION AND ADSORPTION UNIV OF MARYLAND	EINSTEIN THEODORE	Y 36 25/10/91 \$207,348	NACHMAN 92-NM-038	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT.
AUTOMATIC TRANSLATION INTO SPECIALIZED REPRESENTATIONS UNIV OF MICHIGAN	VAN BAILEY	36 23/10/91 \$26,377	AKSMAN 92-NM-042	
ASSET - PHYSICISTIC METHOD FOR GLOBAL OPTIMIZATION IN CONTINUOUS VARIABLES UNIV OF CALIFORNIA	GLOVED	35 20/10/91 \$107,742	GLASSMAN 92-NM-050	
ASSET - DISTRIBUTED AND COLLABORATIVE GEOMETRIC DESIGN PURDUE UNIVERSITY	RAJAJ	26 23/10/91 \$120,442	GLASSMAN 92-NM-052	
ASSET - GRAPHICS INTERFACES & SENSER-ACTUATOR EXTENSIONS FOR THE PROCESS TRELLIS YALE UNIVERSITY	GELERTER	25 23/10/91 \$244,302	LUPU 92-NM-053	
CASSETT OPTICAL PULSE COLLAPSE PHENOMENA IN SCALAR MEDIA UNIV OF ARIZONA	MCLOVEY	25 23/10/91 \$122,722	NACHMAN 92-NM-060	
CASSETT ENABLING PARALLEL MACHINING IN THE RAPID PROTOTYPING OF MECHANICAL PARTS UNIV OF MICHIGAN	CUTTA	36 20/10/91 \$127,654	GLASSMAN 92-NM-062	
ASSET - VOID NUCLEATION AND GROWTH IN NONLINEAR SOLIDS UNIV OF VIRGINIA	MORGAN	25 20/10/91 \$123,443	NACHMAN 92-NM-065	
ASSET - PATTERNS AND TURBULENCE IN OPTICS AND FLUIDS UNIV OF ARIZONA	NEWELL	36 20/10/91 \$122,793	NACHMAN 92-NM-066	
CASSETT TOPICS IN OPTICAL SCHEDULING AND RESOURCE ALLOCATION IN DATA NETWORKS UNIV OF MICHIGAN	TEVERETZIS	26 21/10/91 \$122,680	JACOBS 92-NM-068	

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DEPARTMENT OF MATHEMATICAL & INFORMATION SCIENCES

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
CAASERT) REACTIVE EXECUTION IN A COMMAND, PLANNING & CONTROL ENVIRONMENT UNIV OF EDINBURGH	TATE	36 31/10/91 \$93,432	LUPU 92-NM-070	
CAASERT) RESEARCH IN QUALITATIVE REAL-TIME PROBLEM SOLVING UNIV OF CHICAGO	HAYMOUD	36 04/11/91 \$111,550	WAKSMAN 92-NM-072	
STATISTICAL LEARNING THEORY AND ALGORITHMS YALE UNIVERSITY	MOODY	12 04/11/91 \$55,605	SUDJARTH 92-NM-074	\$55,605 15/02/92 \$55,605
CAASERT) WOTEX CORE DYNAMICS, COMPLEX HELICAL WAVE DECOMPOSITION, ORGANIZATION OF TIME-SCALE & OTHER RELATED THEORETICAL STUDIES UNIV OF HOUSTON	HUSSAIN	36 04/11/91 \$123,734	NACHMAN 92-NM-077	
CAASERT) NEURAL NETWORKS FOR OBJECT RECOGNITION USING SCALE SPACE CONCEPTS YALE UNIVERSITY	SINDI	36 04/11/91 \$64,572	SUDJARTH 92-NM-079	
CAASERT) STUDY IN SCATTERING AND INVERSE SCATTERING UNIV OF DELAWARE	ANGELL	36 04/11/91 \$91,009	JACOBS 92-NM-080	
CAASERT) COMPUTER VISION METHODS BASED ON SPACTAL FEATURES AND DISCRETE FUZZY AGGREGATION NETWORKS UNIV OF MISSOURI	KRISHNAPURAM	36 04/11/91 \$113,360	WAKSMAN 92-NM-082	
CAASERT) ASPECTS OF UNSTEADY THREE-DIMENSIONAL BOUNDARY-LAYER SEPARATION UNIV OF MICHIGAN	WALKER	36 04/11/91 \$200,489	NACHMAN 92-NM-087	
CAASERT) GENERATION OF FAST, NEARLY OPTIMAL LEARNING TRAJECTORIES FOR SEMIAUTONOMOUS DYNAMIC CONTROL SYSTEMS UNIV OF TEXAS AT AUSTIN	GUEZ	36 04/11/91 \$177,121	SUDJARTH 92-NM-091	

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TITLE TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
(ASERT) CONNECTIONIST MODELS FOR INTELLIGENT COMPUTATIONS UNIV OF MARYLAND	CHEN HSING HEN	N 26 03/11/91 \$157,407	SUDDARTH 92-NM-094	
(ASERT) MOVING TARGET APPROXIMATE DATABASE UPDATES AND QUERIES UNIV OF ILLINOIS	LIU JANE W. S.	N 36 03/11/91 \$125,399	WAKSMAN 92-NM-101	
(ASERT) TURBULENT LIQUID FLAMES - AN ANALOGUE FOR TURBULENT COMBUSTION UNIV OF ILLINOIS	BUCKMASTER JOHN	N 26 03/11/91 \$132,643	NACHMAN 92-NM-102	
(ASERT) TASK REDUCTION IN SOFTWARE SPECIFICATIONS UNIV OF MARYLAND	ZELKOWITZ MARVIN	N 36 12/11/91 \$100,342	LUPU 92-NM-104	
SEGMENTATION OF MULTITRACK, MULTIFREQUENCY & MULTIPOLARIMETRIC SAR DATA UNIV OF MARYLAND	CHALLAPPA RAMA	N 26 13/11/91 \$195,307	A SJOOREN 92-NM-105	\$63,718 01/02/92 \$196,307
NUMBER THEORETIC QUESTIONS RELATED TO OBSERVABILITY OF DYNAMICAL SYSTEMS DARTMOUTH COLLEGE	ANDRELI CROOTHY	N 36 13/11/91 \$217,417	JACOBS 92-NM-106	
NONLINEAR THEORY OF A PDE ELECTRON LASER WITH LONGITUDINAL ELECTRIC WIGGLER UNIV OF MISSOURI	WILLET JOSEPH	N 19 13/11/91 \$1,328	NACHMAN 92-NM-115	
OSCILLATION INTERACTIONS IN HEAT TURBULENCE MODELS UNIV OF ILLINOIS	NEWTON PAUL	N 26 13/11/91 \$143,393	NACHMAN 92-NM-116	
DIELECTRIC RESPONSE TENSOR AND COLLECTIVE MODE BEHAVIOR IN STRONG ELECTRIC FIELDS UNIV OF VERMONT	GOLDEN KENNETH	N 12 13/11/91 \$97,000	NACHMAN 92-NM-117	

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TITLE (CONT.) INSTITUTION	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
A STUDY OF THREE DIMENSIONAL COMPUTER VISION: OBJECT RECOGNITION AND ANALYSIS UNIV OF MICHIGAN	SHATTACHAPPA	Y 12 13/11/91 \$25,556	WAKSMAN 92-NM-118	
THE NONLINEAR CONTROL THEORY OF COMPLEX MECHANICAL SYSTEMS BOSTON UNIVERSITY	JOHN	Y 36 13/11/91 \$25,591	JACOBS 92-NM-119	
SCALARIZATION RESPONSE OF LOW BRASSING ANGLE L-PLANE DISTANT VEGETATIVE CLUTTER UNDER FORWARD SCATTERING CONDITIONS UNIV OF MICHIGAN	RAM	Y 24 13/11/91 \$49,962	NACHMAN 92-NM-122	
DETERMINED CLUTTER FOR SIMULATION USING SCALE MODEL SURFACES WITH THREE-SCALE ROUGHNESS UNIV OF CORNELL	COLTAN	N 12 19/11/91 \$54,330	NACHMAN 92-NM-123	
NONLINEAR CONTROL THEORY UNIV OF NEVADA	MARK	Y 25 20/11/91 \$253,713	JACOBS 92-NM-127	
EXTREMAL EIGENVALUE PROBLEMS RICE UNIVERSITY	STEVEN	Y 26 21/11/91 \$214,000	NACHMAN 92-NM-131	
CEPSCORD: COMPUTER VISION METHODS BASED ON SPATIAL FEATURES AND DISCRETE BINARY AGGREGATION NETWORKS UNIV OF MISSOURI	RAMUJ	N 35 22/11/91 \$113,560	WAKSMAN 92-NM-134	
CEPSCORD: THE ESTIMATION & CONTROL OF CARLITERS IN DISTRIBUTION MODELS OF FLEXIBLE STRUCTURES UNIV OF OKLAHOMA	LUTHER	Y 36 27/11/91 \$32,354	JACOBS 92-NM-136	
MATHEMATICAL ASPECTS OF MATERIALS SCIENCE UNIV OF UTAH	KENNETH	Y 36 27/11/91 \$201,101	NACHMAN 92-NM-140	

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ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
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TITLE: (CONT.)
INSTITUTE

11/25/73

(JASCO) STUDENT RESIDENT IN COMPUTATIONAL ALGORITHMS FOR
DISTRIBUTED DATA-PROCESSING SYSTEMS;
UNIV. OF ARIZONA
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 JAMES C. NEASE
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TITLE
(CONT.)
SUBSCRIPTION

CAASERT) OPERATOR: FUSION

UNIV OF MARYLAND

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12312

CAASERT) STUDENT RESEARCH IN COMPUTATIONAL ALGORITHMS FOR
DISTRIBUTED PARAMETER SYSTEMS

UNIV OF ARIZONA

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CAASERT) STUDENT RESEARCH IN COMPUTATIONAL ALGORITHMS FOR
THE RECOGNITION OF FLEXIBLE STRUCTURES & THE ROLE OF
COMPUTATIONAL & MATHEMATICAL & INFORMATION SCIENCES

UNIV OF VIRGINIA

LASSICKA

12312

TIME/FREQUENCY/TIME SCALE "MODE" BASED JOINT HIGH-LEVEL
ANALYSIS AND REVERSE ENGINEERING APPROXIMATION OF A FUNDAMENTAL CLASS

UNIV OF TEXAS

SCHROEDER

JAMES

ANALYSIS AND REVERSE ENGINEERING APPROXIMATION OF A FUNDAMENTAL CLASS

UNIV OF TEXAS

SCHROEDER

JAMES

TOPICS IN SCIENCE THEORY

UNIV OF ILLINOIS

CASSELL

12312

CAASERT) RESEARCH: ABOUT PLANS

UNIV OF ROCHESTER

ALLEN

JAMES

ARRAY SIGNAL PROCESSING IN UNDER SAMPLED DATA

UNIV OF CALIFORNIA

PASSALA

12312

CAASERT) FACILITATORS & METHODS FOR INTELLIGENT AGENT PROTOCOLS

UNIV OF MARYLAND, BALTIMORE CAMPUS

PERKINS

12312

TYPE/MONTHS
RECEIVED
AMOUNT

36
17/12/91
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STATUS
PROGRAM MANAGER
PROPOSAL #

SUGGREN
92-NM-137

NACHMAN
92-NM-159

NACHMAN
92-NM-170

SUGGREN
92-NM-173

NACHMAN
92-NM-176

NACHMAN
92-NM-179

WAKSMAN
92-NM-180

SUGGREN
92-NM-192

WAKSMAN
92-NM-179

INITIATE
START DATE
TOT AMT

36
17/12/91
127,119

36
17/12/91
127,112

36
17/12/91
127,112

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17/12/91
127,112

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17/12/91
127,112

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 ALL LARGE OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

PAGE 9

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RECEIVED
AMOUNT | STATUS
PROGRAM MANAGER
PROPOSAL # | INITIATE
START DATE
TOT AMT. |
|--|--------------|-----------------------------------|---|------------------------------------|
| INTELLIGENT AGENT PROGRAMS | CHEN | 36
23/12/91
\$112,117 | WAKSMAN
92-NM-122 | |
| UNIV OF MARYLAND, BALTIMORE COUNTY | | | | |
| AIRCRAFT CONTROL BENCHMARK PROBLEM | CHEN | 36
13/11/91
\$255,006 | JACOBS
92-NM-107 | |
| GRUMMAN AEROSPACE CORP | | | | |
| RADIAL BASES FUNCTIONS WITH APPLICATIONS | FRANCIS | 36
20/12/91
\$239,323 | NACHMAN
92-NM-177 | |
| TEXAS ENGINEERING EXPERIMENT CENTER | | | | |
| PA' SUELE COMPUTATIONS FOR LEAST SQUARES REGRESSION | SHIUE | 24
13/11/91
\$71,319 | SJOGREN
92-NM-110 | |
| SOUTHERN ILLINOIS UNIVERSITY | | | | |
| RESEARCH IN NON-DETERMINED PROGRAMMING | SECHSE | 12
10/12/91
\$50,000 | GLASSMAN
92-NM-150 | \$50,000
01/01/92
\$50,000 |
| GEORGIA INSTITUTE OF TECH | | | | |
| STOCHASTIC TOUNDOFF ERROR ANALYSIS OF SOME NUMERICAL ALGORITHMS | CALVETTE | 24
13/12/91
\$17,261 | JACOBS
92-NM-153 | |
| STEVENS INSTITUTE OF TECHNOLOGY | | | | |
| ANALYSIS AND APPLICATIONS OF LARGE-SCALE SYSTEMS CONTAINING TURNING POINTS | MSIEM | 36
24/10/91
\$103,319 | JACOBS
92-NM-026 | |
| WESTERN MICHIGAN UNIVERSITY | | | | |
| ORTHOGONAL INTERCONNECTION NETWORKS FOR MASSIVELY PARALLEL PROCESSORS | ISAAC | 36
09/10/91
\$235,117 | LUPU
92-NM-002 | \$74,995
01/02/92
\$238,117 |
| UNIV OF CALIFORNIA | | | | |
| STOCHASTIC MODELS IN RELIABILITY | ROSS | 12
07/10/91
\$53,462 | SJOGREN
92-NM-004 | |
| UNIV OF CALIFORNIA | | | | |

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PROGRESS STATUS REPORT (1 JUL 91 - 31 DEC 91)

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TOT AMT. |
|--|-----------|--------------|-----------------------------|---|------------------------------------|
| (ASSET) ROBUST GAME THEORETIC GUIDANCE AND CONTROL LAWS FOR
MISSILE SYSTEMS
UNIV OF CALIFORNIA | JASON | INVESTIGATOR | 36
29/10/91
\$204,268 | JACOBS
92-1M-049 | |
| (ASSET) HIGH-LEVEL DETECTION ALGORITHMS, SYSTEM THEORY AND
SOFTWARE TOOLS
UNIV OF CALIFORNIA | ELIJAH | POLAK | 36
29/10/91
\$204,268 | GLASSMAN
92-1M-056 | |
| (ASSET) ARCHITECTURES & PROTOCOLS FOR OPTICAL RESONANT NETWORKS
UNIV OF CALIFORNIA | MUNHERJEE | PISHANATH | 36
29/11/91
\$138,055 | LUPU
92-1M-095 | |
| JOINT RESEARCH ON COMPUTATIONAL FLUID DYNAMICS AND FLUID FLOW
CONTROL
UNIV OF CALIFORNIA | JAMES | GERSON | 36
29/11/91
\$201,157 | JACOBS
92-1M-114 | |
| WORKSHOP ON THE MODELS OF UNCERTAINTY IN CONTROL SYSTEMS
UNIV OF CALIFORNIA | ROY | SMITH | 36
16/12/91
\$17,250 | JACOBS
92-1M-158 | |
| PARAMETRIC TIME-SCALE METHODS IN SIGNAL ANALYSIS
UNIV OF RHODE ISLAND | R. | CHANDRAN | 24
16/10/91
\$74,562 | SJOGREN
92-1M-015 | |
| PHYSICAL PROPERTIES
GEORGIA TECH RESEARCH CORPORATION | OSCAR | BRUNO | 36
29/10/91
\$83,035 | NACHMAN
92-1M-044 | |
| ASSET - IMAGE COMPRESSION AND WAVELET GENERATION
GEORGIA TECH RESEARCH CORPORATION | MARC | BERGER | 36
29/10/91
\$123,045 | NACHMAN
92-1M-063 | |
| (ASSET) FAST MULTILEVEL LOCAL METHODS
UNIV OF COLORADO AT DENVER | STEPHEN | MCCORMICK | 36
29/10/91
\$207,630 | NACHMAN
92-1M-036 | |

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
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AMOUNT | STATUS
PROGRAM MANAGER
PROPOSAL # | INITIATE
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|---|--------------|-----------------------------------|---|-----------------------------------|
| CAASERT) NUMERICAL METHODS FOR SINGULARLY PERTURBED DIFFERENTIAL
EQUATIONS WITH APPLICATIONS
RENSSELAER POLYTECHNIC INSTITUTE | FLAMERTY | N 36
23/11/91
\$115,979 | NACHMAN
92-NM-100 | |
| CAASERT) KNOWLEDGE BASED SYSTEM FOR THREE DIMENSIONAL IMAGING AID
RENSSELAER POLYTECHNIC INSTITUTE | WALLACE | N 36
17/12/91
\$99,313 | WAKSMAN
92-NM-155 | |
| CAASERT) DEVELOPMENT OF NEURAL NETWORK TECHNIQUES FOR CONCEPTUAL
DESIGN
UNIV OF NOTRE DAME | BATILL | N 36
03/11/91
\$63,178 | JACOBS
92-NM-096 | |
| CAASERT) CRYSTALLINE METHODS IN CRYSTAL GROWTH
RUTGERS, THE STATE UNIVERSITY | TAYLOR | N 36
05/11/91
\$247,997 | NACHMAN
92-NM-092 | |
| MULTIDIMENSIONAL RECONSTRUCTION METHODS FOR INVERSE PROBLEMS
TEXAS A AND M RESEARCH FOUNDATION | RUNCLELL | N 36
17/10/91
\$226,503 | NACHMAN
92-NM-013 | |
| CAASERT) ANALYSIS, COMPUTATION AND CONTROL OF DISTRIBUTED
PARAMETER SYSTEMS
TEXAS A AND M RESEARCH FOUNDATION | CHEN | N 36
31/10/91
\$191,497 | JACOBS
92-NM-059 | |
| DETECTION OF CHANGEPOINTS AND MODEL INADEQUACY USING DATA-DRIVEN
SMOOTHERS
TEXAS A AND M RESEARCH FOUNDATION | WAPT | N 36
27/11/91
\$86,056 | SJOGREN
92-NM-138 | |
| COMPUTATIONAL METHODS FOR ESTIMATION AND CONTROL OF FLEXIBLE
STRUCTURES WITH DAMPING
TEXAS A AND M RESEARCH FOUNDATION | FABIANO | N 36
23/12/91
\$53,507 | JACOBS
92-NM-183 | |
| CAASERT) COMPARING CLASSES OF FACTORIAL BLOCK DESIGN
WRIGHT STATE UNIVERSITY | VOSS | N 36
22/10/91
\$73,014 | SJOGREN
92-NM-019 | |

REPORT DATE 01/02/92

DOCTORAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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| TITLE (CONT.)
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PROGRAM MANAGER
PROPOSAL # | INITIATE
START DATE
TOT AMT. |
|---|--------------|-------------------------------|---|------------------------------------|
| BINARY ARRAYS WITH DESIRABLE CORRELATION PROPERTIES
WRIGHT STATE UNIVERSITY | APASU | N 36
29/10/91
\$129,938 | SJOGREN
92-NM-035 | |
| CASERT) NEURAL NETWORKS FOR THE CONTROL OF HIGHLY MANEUVERABLE
UNMANNED VEHICLES
GEORGE MASON UNIVERSITY | WENTZ | N 36
30/10/91
\$188,300 | SUDDARTH
92-NM-064 | |
| CASERT) LEARNING IN AN INTENTIONAL SYSTEM
NORTHWESTERN UNIVERSITY | BIRNBAUM | N 36
24/11/91
\$253,593 | WAKSMAN
92-NM-075 | |
| CASERT) DOCTORAL STUDENT SUPPORT FOR RESEARCH IN LARGE-SCALE
COMBINATORIAL OPTIMIZATION
GEORGE MASON UNIVERSITY | HOEFMAN | N 36
24/11/91
\$35,311 | GLASSMAN
92-NM-081 | |
| A STUDY OF SOME MULTIDIMENSIONAL INVERSE PROBLEMS
KANSAS STATE UNIVERSITY | DAMM | N 36
05/11/91
\$243,109 | NACHMAN
92-NM-093 | |
| CASERT) THE NONLINEAR DYNAMICS OF PULSED TRANSIENTS IN FLUID
MECHANICS AND OPTICS
NORTHWESTERN UNIVERSITY | REISS | N 36
05/11/91
\$312,542 | NACHMAN
92-NM-097 | |
| NEWTON METHODS FOR STRICTLY CONVEX QUADRATIC PROGRAMS AND DATA
SMOOTHING MODELS
OLD DOMINION UNIVERSITY | SWETT'S | N 24
03/12/91
\$173,535 | GLASSMAN
92-NM-146 | |
| VERY FAST PARALLEL ALGORITHMS FOR SOME FUNDAMENTAL TREE PROBLEMS
(2301-92-6093-545)
OLD DOMINION UNIVERSITY | OLARIU | N 15
15/12/91
\$73,590 | JACOBS
92-NM-161 | |
| CASERT) REACTION IN IRTPS
OREGON STATE UNIVERSITY | D'AMEROSIO | N 36
20/12/91
\$91,549 | WAKSMAN
92-NM-171 | |

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

PAGE 12

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TITLE (CONT.)
INSTITUTION

(CAASERT) PERFORMANCE ESTIMATES FOR AUTOMATIC RADAR TARGET
RECOGNITION SYSTEMS
WRIGHT STATE UNIVERSITY

INVESTIGATOR
JAREEP

(CAASERT) COMPUTATIONAL ISSUES IN THE ROCKET CONTROL OF FLEXIBLE
STRUCTURES
GEORGE WASON UNIVERSITY

INVESTIGATOR
MANITUS

(CAASERT) MODELING OF VISCOELASTIC JETS AND FIBERS: INVERSE
PROBLEMS FOR MATERIAL CHARACTERIZATION
OHIO STATE UNIV RESEARCH FOUNDATION

INVESTIGATOR
W. GREGORY

CONTROL AND STABILIZATION OF MECHANICAL AND FLUID SYSTEMS
OHIO STATE UNIV RESEARCH FOUNDATION

INVESTIGATOR
ELUCK

(CAASERT) INCORPORATING PROBABILISTIC RETRIEVAL MODELS IN AN
OBJECT-ORIENTED FRAMEWORK
UNIV OF MASSACHUSETTS

INVESTIGATOR
WILLIAM

LEARNING IN ROBUSTLY CONSTRAINED ADAPTIVE NEURAL NETWORKS
UNIV OF MASSACHUSETTS

INVESTIGATOR
JEMM

(CAASERT) BUILDING CAUSAL MODELS WITH PATH ANALYSIS
UNIV OF MASSACHUSETTS

INVESTIGATOR
PAUL

SPECIAL ISSUES IN THE ANALYSIS OF SUCCESS-FAILURE DATA FROM TEST
AND EVALUATION EXPERIMENTS
ENVIRONMENTAL RESEARCH INSTITUTE OF MICH

INVESTIGATOR
DAVID

COMPUTING SCIENCE AND STATISTICS: SYMPOSIUM ON THE INTERFACE
INTERFACE FOUNDATION OF NORTH AMERICA

INVESTIGATOR
T. JOSEPH

TYPE/MONTHS
RECEIVED
AMOUNT

11 36
23/12/91
\$74,599

11 36
23/12/91
\$103,704

1 36
23/12/91
\$100,348

11 36
27/11/91
\$90,443

1 36
23/11/91
\$90,325

11 36
23/12/91
\$171,941

11 36
23/12/91
\$68,252

11 24
23/12/91
\$103,111

11 12
17/10/91
\$51,865

STATUS
PROGRAM MANAGER
PROPOSAL #

SJOGREN
92-NM-131

JACOBSON
92-NM-135

NACHMAN
92-NM-061

JACOBSON
92-NM-139

WAKSMAN
92-NM-103

SUDHARTH
92-NM-172

WAKSMAN
92-NM-198

SJOGREN
92-NM-175

SJOGREN
92-NM-012

INITIATE
START DATE
TOT AMT

REPORT DATE 01/02/90

PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AND OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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| TITLE (CONT.)
INSTITUTION | INVESTIGATOR | TYPE/MONTHS
RECEIVED
AMOUNT | STATUS
PROGRAM MANAGER
PROPOSAL # | INITIATE
START DATE
TOT AMT |
|---|--------------|-----------------------------------|---|-----------------------------------|
| AUTOMATING THE ANALYSIS OF NONLINEAR ORDINARY DIFFERENTIAL
EQUATIONS
PRINCETON UNIVERSITY | SACKS | N 36
10/10/91
\$127,276 | WAKSMAN
92-NM-306 | |
| ASERT - DIGITAL NEUROCOMPUTING: THEORY, APPLICATION, AND
IMPLEMENTATION
PRINCETON UNIVERSITY | KUNG | N 36
29/10/91
\$134,600 | SUDARTH
92-NM-051 | |
| (ASERT) MATHEMATICAL NONLINEAR OPTICS (AUGMENTATION AWARD)
PRINCETON UNIVERSITY | MCLAUGHLIN | N 36
30/10/91
\$226,922 | NACHMAN
92-NM-058 | |
| (ASERT) CONTROL THEORY FOR DISTRIBUTED PARAMETER SYSTEMS -
AUGMENTATION
PRINCETON UNIVERSITY | FLANN | N 36
23/11/91
\$131,391 | JACOBS
92-NM-038 | |
| NUMERICAL MODELLING OF CRYSTAL GROWTH
PRINCETON UNIVERSITY | STRACH | N 36
19/11/91
\$90,400 | JACOBS
92-NM-125 | |
| A.C. JOSE MEMORIAL CONFERENCE ON STATISTICAL DESIGN AND
COMBINATORICS
COLORADO STATE UNIVERSITY | SRIVASTAVA | N 12
20/12/91
\$26,920 | SJUGREN
92-NM-174 | |
| (ASERT) EVOLUTION AND LEARNING IN NEURAL NETWORKS WITH BINARY
WEIGHTS
UNIV OF PENNSYLVANIA | VENKATESH | N 36
29/10/91
\$127,786 | SUDARTH
92-NM-041 | |
| (ASERT) GRADUATE STUDENT SUPPORT FOR RESEARCH IN STATISTICAL
SIGNAL PROCESSING
UNIV OF PENNSYLVANIA | KASSAM | N 36
29/10/91
\$134,605 | NACHMAN
92-NM-047 | |
| (ASERT) EVOLUTION AND LEARNING IN NEURAL NETWORKS WITH BINARY
WEIGHTS
UNIV OF PENNSYLVANIA | VENKATESH | N 36
04/11/91
\$127,786 | SUDARTH
92-NM-033 | |

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PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AND SPACE DESIGN OF SCIENTIFIC RESEARCH
 DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

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| TITLE (CONT.)
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AMOUNT | STATUS
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TOT AMT |
|---|--------------|-----------------------------------|---|-----------------------------------|
| (ASERT) MULTIGRANT DISTRIBUTED RECOGNITION-MARKING
UNIV OF PENNSYLVANIA | CAJCSY | " 26
24/11/91
\$173,133 | WAKSMAN
92-NM-038 | |
| (ASERT) GRAPHIC ENVIRONMENT FOR PULSE TEST AND VERIFICATION OF
RULE-BASED KNOWLEDGE BASES
UNIV OF PENNSYLVANIA | POYNES | " 36
24/11/91
\$237,324 | WAKSMAN
92-NM-039 | |
| (ASERT) SUPPORT FOR STUDENT RESEARCH IN COMPUTATIONAL MET-CDS FOR
FLUID PROBLEMS
VIRGINIA POLYTECHNIC INST & STATE UNIV | WAX | " 36
23/10/91
\$311,156 | JACOBS
92-NM-023 | |
| (ASERT) ROBUST CONTROL OF VISCOELASTIC SYSTEMS
VIRGINIA POLYTECHNIC INST & STATE UNIV | HANSEN | " 36
31/10/91
\$197,225 | JACOBS
92-NM-057 | |
| (ASERT) COMPUTATIONAL METHODS FOR OPTIMAL DESIGN OF AEROSPACE
SYSTEMS
VIRGINIA POLYTECHNIC INST & STATE UNIV | JCMY | " 26
24/11/91
\$235,522 | JACOBS
92-NM-073 | |
| PULSE PROPAGATION IN RANDOM MEDIA (92-0741-11)
VIRGINIA POLYTECHNIC INST & STATE UNIV | KCHLP | " 36
21/11/91
\$123,112 | NACHMAN
92-NM-120 | |
| NEW ADAPTIVE METHODS FOR RECONFIGURABLE FLIGHT CONTROL
CARNEGIE-MELLON UNIVERSITY | SODSON | " 36
19/11/91
\$248,594 | JACOBS
92-NM-126 | |
| NEURAL NETWORK APPROACH TOWARDS LOGIC TESTING AND
DESIGN-DEPENDABILITY
LOUISIANA STATE UNIVERSITY | FAC | " 24
21/11/91
\$105,120 | SJOJREN
92-NM-132 | |
| FOURIER SPECTRUM ENHANCEMENT USING PRIOR KNOWLEDGE
SEATTLE PACIFIC UNIVERSITY | WATSON | " 26
16/12/91
\$112,394 | NACHMAN
92-NM-152 | |

1. The first step is to identify the problem or question that needs to be solved. This involves understanding the context and the specific requirements of the task.

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ABSTRACT STATUS REPORT (1 OCT 91 - 31 DEC 91)
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|--|--------------|--------|--------|------------------------------------|---|-----------------------------------|
| (EPSCOR) REAL-TIME ADAPTIVE AIR CONTROL USING NEURAL NETWORKS | ADDER | REVIEW | | 26
12/12/91
153,525 | SUGGARTH
92-NM-151 | |
| IOAMP STATE UNIVERSITY | | | | | | |
| A CONTROL-THEORETIC APPROACH TO LEARNING IN NEURAL NETWORKS | ADDER | REVIEW | | 26
12/12/91
195,277 | SUGGARTH
92-NM-155 | |
| OSAMO STATE UNIVERSITY | | | | | | |
| (MAGNET) AEROSPACE RELATED GRADUATE STUDIES | ADDER | REVIEW | | 26
12/11/91
133,151 | NACHMAN
92-NM-076 | |
| WASHINGTON UNIVERSITY | | | | | | |
| (MAGNET) DOCTORAL RESEARCH IN SYSTEMS SCIENCE & MATHEMATICS & IN
MECHANICAL ENGINEERING | KATZ | REVIEW | | 26
12/11/91
175,313 | NACHMAN
92-NM-078 | |
| WASHINGTON UNIVERSITY | | | | | | |
| SYNTHETICAL SYSTEMS IN HYDROMECHANICS AND SUPERCONDUCTIVITY | ADDER | REVIEW | | 26
12/11/91
112,422 | NACHMAN
92-NM-124 | |
| WANDERBILT UNIVERSITY | | | | | | |
| NUMERICAL STUDY OF OPTICAL CHECK ESTIMATION IN SELF-ORGANIZING
ULTRASONIC PULSES | ADDER | REVIEW | | 26
12/11/91
151,101 | NACHMAN
92-NM-132 | |
| UTAH STATE UNIVERSITY | | | | | | |
| (EPSCOR) DOCTORAL RESEARCH IN SYSTEMS SCIENCE AND MATHEMATICS AND
IN MECHANICAL ENGINEERING | KATZ | REVIEW | | 26
12/11/91
175,313 | JACOBS
92-NM-137 | |
| WASHINGTON UNIVERSITY | | | | | | |
| (EPSCOR) GRADUATE STUDIES IN AIRSPACE RELATED OPTIMIZATION | ADDER | REVIEW | | 26
12/12/91
129,151 | GLASSMAN
92-NM-142 | |
| WASHINGTON UNIVERSITY | | | | | | |
| (EPSCOR) DOCTORAL RESEARCH IN SYSTEMS SCIENCE AND MATHEMATICS | ADDER | REVIEW | | 26
12/12/91
129,152 | JACOBS
92-NM-143 | |
| WASHINGTON UNIVERSITY | | | | | | |

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INSTITUTION

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AMOUNT

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START DATE
TOT AMT

(ASSET) PARAMETRIC SIGNAL PROCESSING TECHNIQUES FOR AUTOMATIC
SAQAR T-2317
OHIO STATE UNIVERSITY

INVESTIGATOR
MOSES
SAMPOLLO

Y 36
23/12/91
\$168,741

SJOGREN
92-NM-137

PERSONAL COMMUNICATION METHODS: ADAPTIVE POWER CONTROL AND
ASSOCIATED INTERFERENCE METHOD CONSIDERATIONS
SOUTHERN METHODIST UNIVERSITY

GUPTA
SOMESHWAR

Y 24
13/10/91
\$23,324

SJOGREN
92-NM-007

(ASSET) SINGULAR PERTURBATION METHODS FOR NONLINEAR DYNAMICAL
SYSTEMS AND WAVES
SOUTHERN METHODIST UNIVERSITY

WAGNER
PICARD

Y 26
23/10/91
\$73,042

NACHMAN
92-NM-032

SINGULAR PERTURBATION METHODS FOR NONLINEAR DYNAMICAL SYSTEMS AND
WAVES
SOUTHERN METHODIST UNIVERSITY

WAGNER
PICARD

Y 36
14/12/91
\$119,129

NACHMAN
92-NM-190

NEW CORRECTIONS IN NETWORK FLOWS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Y 12
29/10/91
\$82,257

A
GLASSMAN
92-NM-003

\$82,257
01/02/92
\$82,257

(ASSET) RESEARCH TRAINING IN CONTROL BASED ON NEURAL NETWORKS
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

ATKESON
COOPER

Y 24
25/10/91
\$127,573

SUDDARTH
92-NM-033

(ASSET) ROBUST IDENTIFICATION AND CONTROL UNDER UNCERTAINTY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

CAMLEY
MUNTER

Y 36
29/10/91
\$137,731

JACOBS
92-NM-045

(ASSET) MULTIREOLUTION STATISTICAL SIGNAL PROCESSING AND
DISCRETE EVENT SYSTEMS
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

WILSKY
ALAN

Y 36
30/10/91
\$275,461

SJOGREN
92-NM-048

PROPOSAL FOR A SIAM CONFERENCE ON APPLICATIONS OF DYNAMICAL
SYSTEMS
SOCIETY FOR INDUSTRIAL & APPLIED MATH

BLACK
I. EDWARDS

Y 12
23/10/91
\$22,000

NACHMAN
92-NM-030

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PROPOSAL FOR A SUM CONFERENCE ON CONTROL AND ITS APPLICATIONS

SOCIETY FOR INDUSTRIAL & APPLIED MATH

BLACK

DR. HOWARD

INVESTIGATOR

(ASSET) INVESTIGATION OF ANTIDUSTING NONLINEAR OPTICAL PHENOMENA

COLUMBIA UNIVERSITY

OTTENSK

DRY

(ASSET) PROPOSAL FOR GRADUATE TRAINING

CLARKSON UNIVERSITY

WOLFE

DR. VASSILIOS

(ASSET) PROPOSAL FOR GRADUATE TRAINING

CLARKSON UNIVERSITY

KAUP

ELVED

ASSET - INTERACTIVE, COMPUTER-AIDED, CONTROL SYSTEM DESIGN

STANFORD UNIVERSITY

JOY

STEFEN

THE NUMERICAL ANALYSIS OF VOLTAGE EQUATIONS OVER LONG TIME INTERVALS

STANFORD UNIVERSITY

STUART

WATSON

ANALYSIS OF POINT-TO-POINT ROUTING PROBLEMS

COLUMBIA UNIVERSITY

SINCHI-LEVI

DAVID

(ASSET) GRADUATE TRAINING IN IMAGE ANALYSIS

NEW YORK UNIVERSITY

HUMMEL

ROBERT

(ASSET) REDUCTIVE COMPUTER PROGRAMMING

STANFORD UNIVERSITY

MANNA

EDGAR

TYPE/MONTHS
RECEIVED
AMOUNT

11/22/92

PROGRAM MANAGER

PROPOSAL #

INITIATE
START DATE
TOT AMT

JACOBS
92-NM-031

11/22/92

WACHMAN
92-NM-017

11/22/92

WACHMAN
92-NM-021

11/22/92

WACHMAN
92-NM-025

11/22/92

GLASSMAN
92-NM-059

11/22/92

JACOBS
92-NM-112

11/22/92

GLASSMAN
92-NM-125

11/22/92

WACHMAN
92-NM-168

11/22/92

LUPO
92-NM-196

11. *How many people are there in your family?*

REPORT DATE 11/12/92

PERIODICAL STATUS REPORT (1 NOV 91 - 31 DEC 91)
FOR STATUS REPORT OF SCIENTIFIC RESEARCH
CONDUCTED IN MATHEMATICAL & INFORMATION SCIENCES

PAGE 20

STPL
COUNTR
INSTITUTION

TYPE/AMOUNTS
RECEIVED
AMOUNT

STATUS
PROGRAM MANAGER
PROPOSAL #

INITIATE
START DATE
TOT AMT

UNIVERSITY VALUE PROBLEMS AND ALGEBRA WITH VARIATION

UNIVERSITY

ALGEBRA

ALAN

VACHMAN
92-NM-001

12
7/12/91
126,372

ULTRA-FAST SWITCHING NETWORKS AND COMBINATORIAL MATCHING SYSTEMS

UNIVERSITY

ALGEBRA

GERALD

LUPP
92-NM-079

24
12/12/91
121,139

ASPECTS OF CENTRAL STUDY OF COMPLEXITY IN
UNIVERSITY

UNIVERSITY

ALGEBRA

ALAN

VACHMAN
92-NM-028

26
7/12/91
117,139

ASPECTS OF USE OF NEURAL NETWORKS AND FAST TRAJECTORIES IN
UNIVERSITY

UNIVERSITY

ALGEBRA

RICHARD

VACHMAN
92-NM-040

23
7/12/91
133,569

ASPECTS OF LOCAL COMPLEXITY

UNIVERSITY

ALGEBRA

DOUGLAS

SUGGREN
92-NM-046

24
7/12/91
133,524

ASPECTS OF STUDENT SUPPORT FOR RESEARCH IN CENTRAL THEORY AND
APPLICATIONS

UNIVERSITY

ALGEBRA

ALAN

JACOBS
92-NM-054

26
7/12/91
133,492

ASPECTS OF INFORMATION PROCESSING IN NEURAL NETWORKS

UNIVERSITY

ALGEBRA

LEX

SUGGREN
92-NM-034

26
7/12/91
136,176

ASPECTS OF COMPLEXITY

UNIVERSITY

ALGEBRA

DOUGLAS

GLASSMAN
92-NM-108

24
12/11/91
130,106

UNIVERSAL CYCLES AND PARTIALLY ORDERED SETS

UNIVERSITY

ALGEBRA

DOUGLAS

GLASSMAN
92-NM-128

24
12/11/91
109,928

REPORT DATE 31/02/92

PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
DIRECTORATE OF MATHEMATICAL & INFORMATION SCIENCES

PAGE 21

| TITLE
(CONT.)
INSTITUTION | INVESTIGATOR | TYPE/MONTHS
RECEIVED
AMOUNT | STATUS
PROGRAM MANAGER
PROPOSAL # | INITIATE
START DATE
TOT AMT |
|---|--------------------|-----------------------------------|---|-----------------------------------|
| (AASERT) RESEARCH IN NONLINEAR DYNAMICAL SYSTEMS
CORNELL UNIVERSITY | JAMES
PHILLIP | N 36
09/10/91
\$240,991 | NACHMAN
92-NM-005 | |
| (AASERT) APPLICATIONS OF GEOMETRIC ALGORITHMS
CORNELL UNIVERSITY | DANIEL
D'AMICO | N 36
22/10/91
\$400,512 | GLASSMAN
92-NM-020 | |
| (AASERT) SYMMETRY METHODS AND NONLINEAR ANALYSIS
IN ELASTOMECHANICS
CORNELL UNIVERSITY | MEALEY
TIMOTHY | N 36
04/11/91
\$203,532 | NACHMAN
92-NM-071 | |
| (AASERT) ACTION REPRESENTATION FOR COLLABORATIVE PLANNING
HARVARD UNIVERSITY | GROSS
SARBAO | N 36
04/11/91
\$213,530 | WAKSMAN
92-NM-095 | |
| (AASERT) NEW POLYMERAL APPROACHES FOR SOLVING 0-1 PROGRAMMING
PROBLEMS
CLEMSON UNIVERSITY | ADAMS
WARREN | N 36
04/11/91
\$127,465 | GLASSMAN
92-NM-090 | |
| (EPSORO) NEW POLYMERAL APPROACHES FOR SOLVING 0-1 PROGRAMMING
PROBLEMS
CLEMSON UNIVERSITY | ADAMS
WARREN | N 36
09/10/91
\$127,465 | GLASSMAN
92-NM-149 | |
| MODELING OF NONISOTHERMAL VISCOPLASTIC SLENDER JET AND THIN SHEET
FLOWS
INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS | WANG
JI | N 36
10/12/91
\$93,573 | NACHMAN
92-NM-109 | |
| THE FUNDAMENTAL FLAMMABILITY LIMITS OF THE DRY CARBON MONOXIDE
FLAME
INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS | TAM
RICHARD | N 36
10/12/91
\$72,442 | NACHMAN
92-NM-150 | |
| ON FREE BOUNDARY PROBLEMS & EQUATIONS OF DYNAMICAL GEOMETRY
ASSOCIATED WITH FLAME FRONT
INDIANA UNIVERSITY-PURDUE UNIV AT INDOPLS | FRANKEL
MICHAEL | N 36
13/12/91
\$90,979 | NACHMAN
92-NM-154 | |

REPORT DATE 31/02/90

PROPOSAL STATUS REPORT (1 OCT 91 - 31 DEC 91)
 AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
 DIRECTORATE 13 PLANS AND OPERATIONS

PAGE 1

TITLE (CONT.)
 INSTITUTION

SPECIAL PROJECT TO FUND SCIENTIFIC AND TECHNICAL EXCHANGE VISITS
 TO US AND PHILLIPPS LAB (SACCOLA) BY EAST EUROPEAN AND SOVIET SCI.
 NATIONAL SCIENCE FOUNDATION

INVESTIGATOR

ISRAEL

PRECISE TIME AND TIME INTERVAL APPLICATIONS AND PLANNING MEETING

NASA - GODDARD SPACE FLIGHT CENTER

GRANATA

RAYMOND

PRECISE TIME AND TIME INTERVAL APPLICATIONS AND PLANNING MEETING

U.S. NAVAL OBSERVATORY

FAULKNER

SHEILA

| TYPE/CHGTS
RECEIVED
AMOUNT | STATUS
PROGRAM MANAGER
PRG SAL # | INITIATE
START DATE
TOT AMT |
|----------------------------------|--|-----------------------------------|
| 11 12
07/10/91
\$31,500 | A
OWENS
92-XQ-002 | \$31,500
01/10/91
\$31,500 |
| 11 11
08/11/91
\$5,750 | A
OWENS
92-XC-003 | \$5,750
01/11/91
\$5,750 |
| 11 11
07/10/91
\$5,750 | A
OWENS
92-XG-001 | |