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RESEARCH PROPOSAL QUARTERLY STATUS REPORT

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

AFOSR-TR-95-0402

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH/XPT
110 DUNCAN AVENUE SUITE B116
BOLLING AFB DC 20332-0001

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INTRODUCTION

The Research Proposal Quarterly Status Report is published quarterly (March, June, September, and December) by the Air Force Office of Scientific Research (AFOSR). It lists all the research proposals received by AFOSR during the past six months along with the action taken (Initiated, Declined or Withdrawn on each report.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. To sponsor and sustain basic research and ensure access to research results in support of the Air Force goals of control and maximum utilization of air and space. The AFOSR is organized under the Director, Science and Technology, Air Force Materiel Command.

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 originating 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 of 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.g., 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 proposer's 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.

PART 1

STATUS - "A" = ACCEPTED, "D" = DECLINED, "W" = WITHDRAWN

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
AFOSR/Far East		Ogata	Naoya		95-NL-138		LEE
Advanced Ceramics Research		Boulton	Jonathan		95-NA-175		WARD
Advanced Technology Materials Inc.		Powell	Adrian		95-NE-150		POMRENKE
					95-NE-157		POMRENKE
					95-NE-149		POMRENKE
Aerodyne Research Inc		Redwing	Joan		95-NL-113		BERMAN
Air Force Institute of Technology		Freedman	Andrew		95-NL-010	A	SHELDON
		Bridgeman	George	A	95-NI-011	A	ZARBO
		Lott	James		95-MM-167	A	SJOGREN
		Suter	Bruce	B	95-XO-001	A	HUGHES
		Hughes	Chris		95-NA-189	A	WU
Air Force Office of Scientific Research		Moore	Robert	B	95-NI-030	A	SHELDON
Air Materiel Command		Leigh	Wallace		95-NL-116		HADDAD
Alfred University		Frank	Martin	J	95-NE-180	D	WEINSTOCK
Amercoam Physiological Society		Colton	Richard		95-NE-171		POMRENKE
American Vacuum Society		Helava	Heikki	L	95-NE-207	A	CRAIG
American Xtal Technology		Mathine	David	S	95-NA-166		WARD
Arizona State University		Chen	Edward		95-NA-147	A	TISHKOFF
Army Research Office		Mann	David		95-NA-148	A	SAKELL
Arnold Engineering Development Center		Tennent	Scott	W	95-NE-147		POMRENKE
Astralux		Leksone	Moeljanto		95-NE-148		POMRENKE
					95-NE-152		POMRENKE
					95-NE-146		POMRENKE
					95-NL-119	Z	LEE
Auburn University		Qiu	Chang-hua	M	95-NM-184		NACHMAN
		Walker	Christopher		95-NL-127		HADDAD
		Jang	Bor		95-NM-151		KROLL
		Rao	Sadasiva	A	95-NM-196		SJOGREN
		Silver	Rae		95-NL-135	V	TANGNEY
Barnard College of Columbia University		Whiteman	C. David		95-NE-153		POMRENKE
Battelle Pacific Northwest Laboratories		Castanon	David		95-NM-212		SJOGREN
Boston University		Grossberg	Stephen		95-NA-172		WARD
		Jagannathan	G.		95-NE-187		KELLEY
Brimrose Corp. of America		Cooper	David		95-NM-176		NACHMAN
Brown University		Ting	Su-Jen		95-NE-183		CRAIG
CHEMAT TECHNOLOGY INC		Sinha	Amarendra		95-NM-207		NACHMAN
CMS Consulting		Bruno	Oscar		95-NE-203		POMRENKE
California Institute of Technology		Psaltis	Demetri		95-NA-135		MCMICHAEL
		Kinderlehrer	David	P	95-NE-200		POMRENKE
		DeLaRosa	Mark	M	95-NM-193		NACHMAN
		Reshotko	Eli		95-NM-149	A	NACHMAN
		Clay	John	R	95-NA-162	A	LEWIS
		Butler	Chalmers		95-NE-184		SCHLOSSBER
		Osher	Stanley	M	95-NE-139	A	BARKER
		Olhoeft	Gary		95-NE-172		POMRENKE
		Osgood	Richard		95-NA-174		WARD
Columbia University		Nardi	Vittorio	P	95-NM-142		LEE
Compton Research Laboratory Inc		Hunter	Scott	T			LEWIS
Consultec Scientific Inc		Hunter	Scott				
Containerless Research Inc		Weber	Richard				
Cornell University		Giannelis	Emmanuel				
		Jenkins	James				

STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Creare Inc. Research & Development Inc	Sachse	Wolfgang		95-NA-167	A	WU
Dartmouth College	Onishi	Shinzo		95-NE-159		POMRENKE
Dialog International Inc	Cybenko	George		95-NM-150	A	LUGINBUHL
Digital Physics Associates	Zasimchuk	Elena	E	95-NA-155		WU
Duke University	Nachamkin	Jack		95-NE-186		KELLEY
	Schaeffer	David		95-NM-215		NACHMAN
	Trangenstein	John	A	95-NA-191		LEWIS
				95-NM-157		JACOBS
ESDI, Inc	Wells	Richard	L	95-NL-141		DELONG
	Ganapathi	L.		95-NE-196		POMRENKE
				95-NE-197		POMRENKE
Electro Magnetic Applications Inc	How	Hoton		95-NM-168		NACHMAN
Emcore Corporation	Chern	Chyi	S	95-NE-156		POMRENKE
Engineering Foundation	Freiman	Charles		95-NE-222	D	SCHLOSSBER
Epitronics Corporation	Adams	Robert	L	95-NE-168		POMRENKE
	Givens	Michael	E	95-NE-167		POMRENKE
	Cox	Victoria		95-EO-001	A	COX
European Office of Aerospace R&D	Schneider	Richard	T	95-NA-157		MCMICHAEL
Eye Research Laboratory Inc	Rokhlin	Vladimir		95-NM-172		NACHMAN
Fast Mathematical Algorithms & Hrdar Crp	Chu	Muren		95-NE-165		POMRENKE
Fermionics Corporation	Burger	Arnold		95-NE-206		POMRENKE
Fisk University	Baum	Kurt		95-NL-162		BERMAN
Fluorochem INC	Marsland	Robert		95-NE-142		SCHLOSSBER
Focused Research Inc	Sackett	David	H	95-NE-194		SCHLOSSBER
General Photonic Corporation	Michalski	Ryszard	S	95-NM-206	A	WAKSMAN
George Mason University	Brown	April	S	95-NE-140		WITT
Georgia Institute of Tech	Gasiewski	A.	J	95-NM-153	A	KROLL
	Blumenthal	Daniel	J	95-NE-141		CRAIG
Georgia Tech Research Corporation	ENDICOTT	JOHN		95-NI-023	A	WHITE
	Kennedy	R.A. Brian		95-NM-180		NACHMAN
Gre Incorporated	Gaffney	Edward	S	95-NA-156		MCMICHAEL
Harvard University	Johnsson	S. Lennart		95-NM-143	A	SCHRECK
	StromeyerIII	Charles	F	95-NL-140		TANGNEY
Heuristics Research Inc	Buntline	Wray	L	95-NM-162		WAKSMAN
Hughes Research Laboratories	Wandzura	S. M.		95-NM-173		NACHMAN
Hy-Tech Research Corp.	Spanjers	Gregory	G	95-NL-148		BERMAN
IONWERKS	Schultz	J. Albert		95-NE-169		POMRENKE
				95-NE-170		POMRENKE
Illinois Institute of Technology	Guralnick	S	A	95-NE-215	A	WEINSTOCK
	Ramesh	V. C.		95-NM-165		GLASSMAN
	Stark	Henry		95-NM-201		SJOGREN
	Ecer	Akin		95-NA-136		SAKELL
	Ding	Shougian	L	95-NE-190		KELLEY
Indiana University-Purdue Univ at Indpls	Labuda	Edward		95-NE-213	A	SCHLOSSBER
Information Technology	Valetton	Jean	M	95-EO-003		BRADSHAW
Inst. of Electrical & Electronics Engrg	Meyer	Michael	H	95-NM-177		SJOGREN
Institute for Perception RVO-INO	Parizh	Michael		95-NE-173		KELLEY
Interface Foundation of North America	Ong	Say	K	95-NA-146		LEWIS
Intermagetics General Corp						
Iowa State University						

REPORT DATE 04/03/95

INSTITUTION INDEX (1 JAN 95 - 31 MAR 95)
AIR FORCE OFFICE OF SCIENTIFIC RESEARCH
STATUS - *A* = ACCEPTED, *D* = DECLINED, *M* = WITHDRAWN

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INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
JC Monzon	Sacks	Paul			95-NM-155		NACHMAN
Jackson State University	Monzon	Cesar			95-NE-189		KELLEY
	Leszczynski	Jerzy			95-NL-167		BERMAN
	Sun	Kunquan			95-NE-219	D	WEINSTOCK
John Hopkins University Center	POTEMBER	RICHARD		S	95-NI-014	A	WHITE
Johns Hopkins University	Katz	Joseph		L	95-NL-157		DELONG
	Meng	Ching		I	95-NM-152		RADOOSKI
	Yarkony	David		R	95-NL-131		BERMAN
	Ramm	Alexander			95-NM-209		SJOGREN
Kansas State University	Setser	Donald		M	95-NL-133		BERMAN
	Hong	Daniel		C	95-NA-164		LEWIS
Lehigh University	Li	Ming-Chiang			95-NE-195		SCHLOSSBER
Licelmer	Doering	Patrick		J	95-NE-155		POMRENKE
Linares Management Assoc, Inc. (LMAINC)	Linares	Robert		C	95-NE-154		POMRENKE
	Davis	Paul		R	95-NE-138	A	BARKER
Linfield Research Institute	Yost	William		A	95-NL-136		TANGNEY
Loyola University	Braddock	David			95-NE-201		POMRENKE
MBE Technologies, Ovation Industries Inc.	Goodzeit	Carl		L	95-NE-188		KELLEY
MJB Consulting	Millunchick	Joanna Mirecki			95-NE-202		POMRENKE
MSNMC Inc.	Reynolds	George		H	95-NA-170		WARD
Magnet Analysis for Government Industry	Heggel	Carl		F	95-NE-185		KELLEY
Martin Marietta Electronics & Missiles G	Stirman	Charles			95-NM-217		NACHMAN
Massachusetts Institute of Technology	Kreischer	Kenneth		E	95-NE-179	M	BARKER
	McManus	Hugh		L	95-NA-138		JONES
	Molina	Mario		J	95-NL-126		BERMAN
	SAWUELS	RICHARD		J	95-NI-022	A	WHITE
	White	Jacob		K	95-NM-186		NACHMAN
Materials Research Society	Ballance	John		B	95-NE-130		POMRENKE
	Parekh	David		E	95-NE-131	A	POMRENKE
McDonnell Douglas Aerospace	Schrobligen	Gary			95-NA-158		MCMICHAEL
McMaster University	Chandra	Abhijit		J	95-NL-163		BERMAN
Michigan Technological University	Hummel	Robert			95-NA-168	A	JONES
N.Y. U. Courant Institute Math Science	Ting	Lu			95-NM-194		SJOGREN
	Norris	Peter		E	95-NM-216		NACHMAN
NZ Applied Technologies	Carolan	James		L	95-NE-163		POMRENKE
Nalorac Cryogenics Corporation	Kuo	Ying-Hwa			95-NE-192		KELLEY
National Center for Atmospheric Research	Bergquist	James		C	95-NM-208		KROLL
National Inst. of Standards & Technology	Mazur	Vladislav			95-NE-209	A	KELLEY
National Oceanic Atmosphere Admin	Manka	Robert			95-NM-161	A	KROLL
National Research Council	Metcalfe	Richard			95-NI-013	A	SHELDON
National Science Foundation	Grafman	Jordan			95-NE-132	A	WEINSTOCK
New York Academy of Sciences	Snodgrass	Joan		G	95-NL-137	D	HADDAD
New York University	Dutta	J. M.			95-NL-118		TANGNEY
North Carolina Central University	Banks	H. Thomas			95-NM-144	A	KROLL
North Carolina State University	Brenner	Donald		T	95-NM-145	A	JACOBS
	SYLVESTER JR	JOHN		M	95-NM-166	A	JACOBS
					95-NL-166		BERMAN
					95-NI-018	A	WHITE

INSTITUTION	INVESTIGATOR	LAST NAME	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Northeastern University	Shearer	Michael			95-NM-156		NACHMAN
	Rappaport	Carey	M		95-NM-191		NACHMAN
Northwestern University	Bazant	Zdenek	P		95-NA-137		WU
	Kath	William	L		95-NM-214		NACHMAN
Nova Management Inc	Ratner	Mark	A		95-NL-155		LEE
	Sproul	William	D		95-NL-161		DELONG
	Ingham	David			95-NE-191		KELLEY
	Bhandari	Ramit			95-NE-205		POMRENKE
	Polk	Don			95-NI-012	A	HART
	Burnside	Walter	D		95-NM-190		NACHMAN
	Braasch	Michael	S		95-NM-181	A	SJOGREN
	Graham	Gary	M		95-NI-026	A	SHELDON
	Kandil	Osama	A		95-NA-141		SAKELL
	Hennage	David	W		95-NE-224	A	CRAIG
Oxford University	Blakemore	Colin			95-NL-142		HADDAD
	Young	Malcom			95-NL-115	A	COLLINS
Pennsylvania State University	Bhagat	Ram	B		95-NA-140		JONES
	Castleman, Jr.	A.W.			95-NL-112		BERMAN
	MacDonald	Digby	D		95-NA-183		JONES
	Ray	Asok			95-NA-149		JONES
Physical Optics Corporation	Smith	Gerald	A		95-NE-137	A	KELLEY
	Sokol	Paul	E		95-NL-165		BERMAN
	Katsman	Vladimir			95-NE-143		SCHLOSSBER
	Davis	Steven	J		95-NL-129		BERMAN
	Gelb	Alan			95-NE-158		POMRENKE
Princeton University	Rawlins	W. Terry			95-NL-121		BERMAN
	Jameson	Antony			95-NA-179		JONES
Purdue Research Foundation	Jha	Niraj	K		95-NM-142	A	JACOBS
	Law	Chung	K		95-NM-211		LUGINBUHL
Purdue University	Fox	Patrick	K		95-NA-160	A	TISHKOFF
	Zoltowski	Michael	J		95-NA-165		LEWIS
Quantum Epitaxial Designs, Inc.	Espinosa	Michael	D		95-NM-154	A	SJOGREN
	Hillberry	Horacio	D		95-NA-186		JONES
Rensselaer Polytechnic Institute	Massie	Ben	M		95-NA-180		JONES
	Birnboim	Scott			95-NE-162		POMRENKE
S.I. Diamond Technologies, Inc	McGonigal	Meyer	H		95-NI-009	A	SHELDON
	Kachru	Mark	S		95-NM-175		GLASSMAN
SVI International	VanHove	Marianne			95-NE-161		POMRENKE
	Kun	Ravinder			95-NE-136		CRAIG
San Francisco State University	Collins	James	M		95-NE-160		POMRENKE
	Reynolds	Ernest			95-NL-108	A	KOZUMBO
Scripps Institution Of Oceanography	Ferguson	Joseph	M		95-NA-173		WARD
	Zhao	George	H		95-NA-171		WARD
Spectral Diode Laboratories	Namavar	Eva	D		95-NL-114		TANGNEY
	Spire Corporation	Hanmin			95-NE-204		POMRENKE
Southern Illinois University	Wan der Weide	Daniel	W		95-NE-193		SCHLOSSBER
	Rawlins	Fereydoon			95-NE-151		POMRENKE
Spiro Corporation	Stanley	Stanley	M		95-NE-145		POMRENKE

AIR FORCE OFFICE OF SCIENTIFIC RESEARCH

STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Stanford University	Dvorkin	Jack		95-NA-143		LEWIS
	Hughes	Thomas	J	95-NM-171		GLASSMAN
	Kailath	Thomas		95-NM-148		JACOBS
State University of New York	Likharev	Konstantin	K	95-NE-175	A	WEINSTOCK
	Prasad	Paras	N	95-NL-168	A	LEE
		Vishwanath		95-NM-146	A	JACOBS
Surface/Interface Inc	Bryson, III	Charles	E	95-NE-198		POMRENKE
Syracuse University	Varshney	Pramod	K	95-NM-202		SJOGREN
TRS Ceramics Inc	Zhu	Wayne		95-NE-164		POMRENKE
Texas A and M Research Foundation	Stiller	Peter		95-NM-160		WAKSMAN
Texas Engineering Experiment Station	Kurdila	Andrew	J	95-NM-203		SJOGREN
Texas Tech University	Walkup	John	F	95-NE-220	A	CRAIG
The RAND Corporation	WOLF JR	CHARLES		95-NI-025	A	WHITE
Thiokol Corp	Davis	Irvin	L	95-NA-144		LEWIS
Univ of Arizona	Dereniak	Eustace	L	95-NA-169	A	SAKELL
	Peyghambarian	Nasser		95-NL-170	A	LEE
	Ziolkowski	Richard	W	95-NM-182		NACHMAN
Univ of California, Irvine	Hemming	John	C	95-NL-123		BERMAN
Univ of California, Los Angeles	Gibson	J	S	95-NM-169		JACOBS
	Mackenzie	J.D.		95-NL-173	A	LEE
	Mal	Ajit	K	95-NA-182		JONES
Univ of California, Riverside	Bhanu	Bir		95-NM-204	A	WAKSMAN
Univ of California, San Diego	Berkowitz	Ami	E	95-NL-159		DELONG
	Fainman	Shaya		95-NE-176	A	CRAIG
	Goddard	Joe	D	95-NA-190		LEWIS
	Rosenberg	Marlene		95-NE-129	A	BARKER
	Williams	Forman	A	95-NA-159	A	TISHKOFF
	Yu	Edward	T	95-NL-158		DELONG
	Bowers	Michael	T	95-NL-128		BERMAN
Univ of California, Santa Barbara	Lange	Fred	F	95-NA-187	A	PECHENIK
	Rodwell	Mark		95-NE-181		SCHLOSSBER
	Guyot-Sionnest	Philippe		95-NL-153		LEE
Univ of Chicago	Boerio	F. James		95-NL-152		LEE
Univ of Cincinnati	Hall	Ernest	L	95-NM-199		SJOGREN
Univ of Colorado	Dunn	John	M	95-NM-187		NACHMAN
Univ of Connecticut	Znidarcic	Dobroslov		95-NA-161	A	LEWIS
	Cheo	Peter	K	95-NE-178		CRAIG
	Galligan	James	M	95-NA-163		WU
Univ of Connecticut Health Center	Trahiotis	Constantine		95-NL-146		TANGNEY
Univ of Dayton	Hartman	George	A	95-NA-152		JONES
	Rogers	Dana	B	95-NI-028	A	SHELDON
Univ of Delaware	Gillespie Jr	John	W	95-NA-185		JONES
	Kleinman	Ralph	E	95-NM-185		NACHMAN
Univ of Florida	Abernathy	Cammy		95-NE-216		POMRENKE
	Pearlton	Stephen	J	95-NL-156		DELONG
	Simmons	Joseph	H	95-NL-134		DELONG
Univ of Georgia	King	Robert	B	95-NL-147		BERMAN
Univ of Hawaii	DANIEL	SHIRLEY	J	95-NI-019	A	WHITE

STATUS - *A* = ACCEPTED, *D* = DECLINED, *W* = WITHDRAWN

INSTITUTION	INVESTIGATOR	FIRST NAME	MIDDLE	PROPOSAL	STATUS	PM NAME
Univ of Illinois	Gaines	James	R	95-NL-110		BERMAN
	Chew	Meng	C	95-NM-188		NACHMAN
	Harris	John	G	95-NA-154		WU
Univ of Maine	Huang	Thomas	S	95-NM-198		SJOGREN
	Padua	David		95-NM-174		LUGINBUHL
	Gupta	Ramesh		95-NI-027	A	SHELDON
Univ of Maryland	Chellappa	Rama		95-NM-197		SJOGREN
	Christou	Aristos		95-NL-150		LEE
	Milchberg	Howard	M	95-NE-182		SCHLOSSBER
Univ of Maryland School Of Med	PECHI	MICHAEL		95-NI-024		WHITE
	Sirkis	James	S	95-NA-178		JONES
	Formby	Craig		95-NL-145		TANGNEY
Univ of Massachusetts	Riseman	Edward	M	95-NM-195		SJOGREN
	Khargonekar	Prasad	P	95-NM-147		JACOBS
	LIKER	JEFFREY		95-NI-015	A	WHITE
Univ of Michigan	Volakis	John	L	95-NM-192		NACHMAN
	Waas	Anthony	M	95-NA-177		JONES
	Curley	Shawn		95-NL-117		TANGNEY
Univ of Minnesota	Luskin	Mitchell		95-NM-178		NACHMAN
	Teel	Andrew	R	95-NM-164		JACOBS
	Birman	Victor	J	95-NA-139		JONES
Univ of Missouri	Holder	Andrew		95-NL-111		BERMAN
	Sandreczki	Tom		95-NL-109		LEE
	Whitefield	Phillip	D	95-NL-132		BERMAN
Univ of New Mexico	Cheng	Julian		95-NE-212		CRAIG
	Hall	Joseph	W	95-NL-149		TANGNEY
	Miller	Roger	E	95-NL-124	A	BERMAN
Univ of North Carolina	Laird	Campbell		95-NL-125		BERMAN
	Pickard	Gary	E	95-NA-153	A	WARD
	Agrawal	Govind	P	95-NI-029	A	SHELDON
Univ of Pennsylvania	Mukamel	Shaul		95-NE-174	A	SCHLOSSBER
	Sanocki	Thomas		95-NL-120		BERMAN
	Madhukar	Anupam		95-NL-143		TANGNEY
Univ of Rochester	Biederman	Irving		95-NL-144		TANGNEY
	Dalton	Larry	R	95-NE-211	A	POMRENKE
				95-NM-159		WAKSMAN
Univ of South Florida	Madhukar	Anupam		95-NL-151		LEE
	Nevatia	Ramakant		95-NL-172	A	LEE
	Steier	William	H	95-NL-154		LEE
Univ of Southern Cal --- School of Eng	Alavi	Kambiz		95-NM-205	A	WAKSMAN
	Chen	Ray	T	95-NL-169	A	LEE
	Ekerdt	John	G	95-NE-221		WITT
Univ of Southern California	Oden	J. Tinsley		95-NL-171	A	LEE
	PHILLIPS	FRED	Y	95-NE-210	A	POMRENKE
	Serpen	Gursel		95-NM-183		NACHMAN
Univ of Texas	Wight	Charles	A	95-NI-017	A	WHITE
				95-NM-163		GLASSMAN
				95-NL-139	A	BERMAN
Univ of Texas at Austin						
Univ of Toledo						
Univ of Utah						

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STATUS - 'A' = ACCEPTED, 'D' = DECLINED, 'W' = WITHDRAWN

INSTITUTION	INVESTIGATOR	PROPOSAL	STATUS	PH NAME
LAST NAME	FIRST NAME	MIDDLE		
Univ of Vermont	Yang			GLASSMAN
Univ of Virginia	Giannakis	B	D	SJOGREN
Univ of Washington	Warren			KELLEY
	TSOUTSUI		A	WHITE
	Taya			JONES
Univ of Wisconsin	Aita	R		DELONG
	Booske	H		BARKER
	Botez			SCHLOSSBER
	CHAPMAN			WHITE
	Mangasarian	W		GLASSMAN
	Bohle	L		BERMAN
Univ of Wyoming	D. Scott			BRADSHAW
University /Oxford--Dept Engineering Sci	YOUNG	P		WHITE
University City Science Center	LIEBERGOT		A	KELLEY
University of Texas at Dallas	Collins	B		SCHLOSSBER
University of Tulsa	LoPresti	G		JONES
Utah State University	Dennison	R		POMRENKE
Vactronics Lab Equipment Inc	Bu			POMRENKE
	Fricano			WU
Vanderbilt University	Cruse	A		JONES
Virginia Polytechnic Inst & State Univ	Reifsnider	L		SCHLOSSBER
Visidyne Inc	Wytjes			HADDAD
Washington University	Lingle	J		JONES
	Sastri	M		TANGNEY
	Stein			JONES
Wayne State University	Nemaz	M		NACHMAN
	Sutyrin			POMRENKE
West Virginia University Research Corp	Halliburton	E	A	WEINSTOCK
Westinghouse Electric Corporation	Bluzer			NACHMAN
Wichita State University	Agarwal	K		SJOGREN
	Isakov			JONES
Worcester Polytechnic Institute	Cyganski			POMRENKE
Wright Lab	Cordell		D	POMRENKE
	Smith		A	LEWIS
Yale University School of Medicine	Rosner	E		

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DEVELOPMENT AND CALIBRATION OF WALL-SHEAR-STRESS MICROSENSOR SYSTEMS Case Western Reserve University	Reshotko	N 24 13/01/95 \$436,754	MCMICHAEL 95-NA-135	
COMPUTATION OF UNSTEADY SUPERSONIC FLOWS AROUND MOVING BODIES Indiana University-Purdue Univ at Indpls	Ecer	N 24 13/01/95 \$99,770	SAKELL 95-NA-136	
DAMAGE AND FRACTURE IN QUASIBRITTLE MATERIALS: MICRO-MACRO, SCALING AND LOCALIZATION Northwestern University	Bazant	N 36 20/01/95 \$443,373	WU 95-NA-137	
FUNDAMENTAL MODELING OF FUNCTIONALLY GRADED MATERIALS AND STRUCTURES Massachusetts Institute of Technology	McManus	N 36 23/01/95 \$247,944	JONES 95-NA-138	
THEORY AND OPTIMIZATION OF FUNCTIONALLY GRADED SMART Univ of Missouri	Birman	N 36 23/01/95 \$131,609	JONES 95-NA-139	
MICROMECHANICS-BASED DESIGN AND DEVELOPMENT OF MULTILAYERED INTERPHASE IN METAL MATRIX COMPOSITES Pennsylvania State University	Bhagat	N 36 23/01/95 \$297,141	JONES 95-NA-140	
AEROELASTIC, CFD AND DYNAMICS COMPUTATION AND OPTIMIZATION FOR BUFFET AND FLUTTER APPLICATIONS Old Dominion University	Kandil	N 12 24/01/95 \$35,000	SAKELL 95-NA-141	
STATISTICAL MECHANICAL MODELS FOR THE DEFORMATION OF DENSELY PACKED GRANULAR MATERIALS Cornell University	Jenkins	N 36 27/01/95 \$193,104	LEWIS 95-NA-142	
CEMENTED PARTICULATE MATERIALS: FROM GRAIN-TO-GRAIN CONTACT LAWS TO MACRO-BEHAVIOR Stanford University	Ovorkin	N 36 27/01/95 \$314,704	LEWIS 95-NA-143	

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FIRST PRINCIPLES TREATMENT OF PARTICULATE MECHANICS FROM MATERIAL MICROSTRUCTURE Thiokol Corp	Davis	N 36 27/01/95 \$303,850	LEWIS 95-NA-144	
PHASE EQUILIBRIA AND TRANSPORT IN POROUS MEDIA Yale University School of Medicine	Rosner	N 36 27/01/95 \$375,000	LEWIS 95-NA-145	
MECHANISMS CONTROLLING THE VOLATILIZATION OF VOCs DURING AIR SPARGING Iowa State University	Ong	N 36 01/02/95 \$264,843	LEWIS 95-NA-146	
SUPPORT FOR RAM ACCELERATOR RESEARCH Army Research Office	Mann	N 07 01/02/95 \$100,000	A TISHKOFF 95-NA-147	\$100,000 15/02/95 \$100,000
BAY-STORE RELEASE DURING AIRCRAFT MANEUVER (2535) Arnold Engineering Development Center	Tennent	N 07 02/02/95 \$199,925	A SAKELL 95-NA-148	\$199,925 01/03/95 \$199,925
DURIP95/RESEARCH INSTRUMENTATION FOR INTELLIGENT SENSING OF MATERIAL DAMAGE AND STRUCTURAL INTEGRITY IN WEAPON SYSTEMS Pennsylvania State University	Ray	N 24 03/02/95 \$100,392	JONES 95-NA-149	
DURIP95/ULTRA HIGH VACUUM AND PRECISION DIAGNOSTIC HIGH TEMPERATURE LABORATORY Wayne State University	Newaz	N 24 03/02/95 \$355,000	JONES 95-NA-150	
DURIP95/INSTRUMENTATION FOR CHARACTERIZATION OF ADVANCED POLYMER COMPOSITES Virginia Polytechnic Inst & State Univ	Reifsnider	N 36 03/02/95 \$168,266	JONES 95-NA-151	
DURIP95/AN ADVANCED TEST SYSTEM FOR CHARACTERIZING AEROSPACE MATERIALS IN SEVERE SERVICE ENVIRONMENTS Univ of Dayton	Hartman	N 12 03/02/95 \$352,084	JONES 95-NA-152	

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MICRO-MECHANISMS OF CORROSION FATIGUE USING ATOMIC FORCE MICROSCOPY AT ACTIVE MICROSTRUCTURAL SITES ON 2024-T3 AL ALLOY Univ of Pennsylvania	Laird Campbell	N 12 06/02/95 \$100,000	A WARD 95-NA-153	\$100,000 01/05/95 \$100,000
COUPLED ELASTIC SURFACE WAVES IN CURVED STRUCTURES Univ of Illinois	Harris John	N 36 07/02/95 \$90,000	WU 95-NA-154	
USING THE FRACTAL ANALYSIS OF SYNERGETIC DEFECT STRUCTURES FOR FORECASTING THE CRITICAL STATE OF MATERIALS UNDER LOAD Dialog International Inc	Zasimchuk Elena	N 24 08/02/95 \$429,469	WU 95-NA-155	
(SBIR-FY95) PRESSURE IMAGING SHEETS FOR TURBOMACHINERY APPLICATIONS Gre Incorporated	Gaffney Edward	N 06 08/02/95 \$79,421	MCMICHAEL 95-NA-156	
MEASUREMENTS IN TURBOMACHINERY USING PRESSURE SENSITIVE PAINT Eye Research Laboratory Inc	Schneider Richard	N 06 09/02/95 \$79,985	MCMICHAEL 95-NA-157	
MECHANICAL/THERMAL JET-SURFACE INTERACTIONS IN PAIN STRIPPING PROCESSES McDonnell Douglas Aerospace	Parekh David	N 27 10/02/95 \$397,037	A MCMICHAEL 95-NA-158	\$183,831 01/05/95 \$397,037
COMPRESSIBLE TURBULENT REACTIVE FLOWS Univ of California, San Diego	Williams Forman	N 36 17/02/95 \$334,640	A TISHKOFF 95-NA-159	\$107,000 01/06/95 \$334,640
AFRAPT/FUNDING FOR TWO AFRAPT STUDENT TRAINEES FOR ACADEMIC YEAR 1995-96 Princeton University	Law Chung	N 12 17/02/95 \$18,000	A TISHKOFF 95-NA-160	\$18,000 30/09/95 \$18,000
CENTRIFUGE MODELING OF NAPLS Univ of Colorado	Indarcic Oobroslov	N 12 24/02/95 \$14,900	A LEWIS 95-NA-161	\$14,900 01/04/95 \$14,900

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NONINVASIVE COMPLEX RESISTIVITY MEASUREMENTS OF CLAY-ORGANIC PROCESSES TO MAP ORGANIC CONTAMINATION & DEGRADATION OF CLAY BARRIERS Colorado School of Mines	Olhoeft Gary	N 36 03/03/95 \$348,551	A LEWIS 95-NA-162	\$110,748 01/06/95 \$348,551
AGING OF MATERIALS, PLASTICITY AND ACOUSTIC DETECTION METHODS Univ of Connecticut	Galligan James	N 48 03/03/95 \$620,663	WU 95-NA-163	
SEARCH FOR UNIVERSALITY OF FAILURE DYNAMICS Lehigh University	Hong Daniel	N 36 03/03/95 \$127,080	LEWIS 95-NA-164	
FUNDAMENTAL RESEARCH ON THE MECHANICS OF FLUID FLOW THROUGH POROUS MEDIA Purdue Research Foundation	Fox Patrick	N 36 03/03/95 \$189,490	LEWIS 95-NA-165	
SIC FIBRIL REINFORCED BULK METALLIC GLASS COMPOSITES CARO PROPOSAL 34564-MS) Army Research Office	Chen Edward	N 18 06/03/95 \$75,000	A WARD 95-NA-166	\$75,000 01/04/95 \$75,000
SYNERGISTIC CORROSION MONITORING OF AIRFRAME MATERIALS AND STRUCTURES Cornell University	Sachse Wolfgang	N 36 09/03/95 \$354,426	A WU 95-NA-167	\$237,794 01/07/95 \$354,426
EVOLUTION AND COALESCENCE OF MICRODEFECTS IN HIGH TEMPERATURE INTERMETALLICS Michigan Technological University	Chandra Abhijit	N 36 09/03/95 \$250,268	A JONES 95-NA-168	\$83,423 01/07/95 \$250,268
BEHIND PANEL DEBRIS TEMPERATURE PROFILEMETRY Univ of Arizona	Dereniak Eustace	N 24 16/03/95 \$200,000	A SAKELL 95-NA-169	\$200,000 01/07/95 \$200,000
SBIR/LIQUID-DERIVED REFRACTORY COMPOUND INTERFACE COATINGS FOR SIC MONOFILAMENTS MSNAC Inc.	Reynolds George	N 24 16/03/95 \$79,841	WARD 95-NA-170	

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SBIR/PREPARATION AND EVALUATION OF SINGLE-CRYSTAL YTTRIUM TITANATE -BASED MONOFILAMENTS Scripps Institution of Oceanography	Reynolds	N 24 16/03/95 \$79,880	WARD 95-NA-171	
SBIR/FABRICATION OF TIC FIBERS VIA POLYMER PYROLYSIS				
CHEMAT TECHNOLOGY INC	Ting	N 24 16/03/95 \$80,000	WARD 95-NA-172	
SBIR/75 MICRON YAG-ALUMINA EUTECTIC FIBER				
Saphikon Inc	Collins	N 24 16/03/95 \$80,000	WARD 95-NA-173	
SBIR/MELT-DRAWING AND COATING OF OXIDE FIBERS FOR COMPOSITE MATERIALS APPLICATIONS Containerless Research Inc	Weber	N 24 16/03/95 \$80,000	WARD 95-NA-174	
SBIR/COMPOSITE REINFORCING FIBER AND INTERFACIAL COATING PROCESS				
Advanced Ceramics Research	Boulton	N 24 16/03/95 \$80,000	WARD 95-NA-175	
DURIP95/ENVIRONMENTAL HIGH TEMPERATURE TESTING SYSTEM FOR ADVANCED STRUCTURAL MATERIAL Univ of Washington	Taya	N 12 21/03/95 \$310,000	JONES 95-NA-176	
DURIP95/DEVELOPMENT OF FAILURE CRITERIA FOR POLYMER BASED COMPOSITES UNDER MULTI-AXIAL LOADING Univ of Michigan	Maas	N 12 21/03/95 \$247,520	JONES 95-NA-177	
DURIP95/INSTRUMENTATION FOR A NEW CLASS OF HIGH TEMPERATURE (2000 C+) SENSORS FABRICATED FROM SAPPHIRE PLANAR WAVEGUIDE GRATINGS Univ of Maryland	Sirkis	N 98 21/03/95 \$154,861	JONES 95-NA-178	
DURIP95/A HIGH SPEED NO:YAG BASED IMAGING SYSTEM FOR THE CAPTURE OF RAPID TIME-EVOLVING FLUID AND MATERIALS PARAMETERS* Princeton University		N 97 21/03/95 \$361,440	JONES 95-NA-179	

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TITLE (CONT.) INSTITUTION	TITLE	INVESTIGATOR	TYPE/MONTHS RECEIVED AMOUNT	STATUS PROGRAM MANAGER PROPOSAL #	INITIATE START DATE TOT AMT
DURIP95/ENVIRONMENTAL SCANNING ELECTRON MICROSCOPE WITH ELECTROHYDRAULIC FATIGUE LOADING STAGE Purdue University	Hillberry	Ben	N 96 21/03/95 \$483,743	JONES 95-NA-180	
DURIP95/ULTRA-HIGH VACUUM ELECTRON SCATTERING CHAMBER FOR THE CHARACTERIZATION OF MATERIALS IN SEVERE ENVIRONMENTS. Utah State University	Dennison	J	N 96 21/03/95 \$129,497	JONES 95-NA-181	
DURIP95/RESEARCH EQUIPMENT FOR DAMAGE CHARACTERIZATION IN STRUCTURAL SOLIDS Univ of California, Los Angeles	Mal	Ajit	N 96 21/03/95 \$199,070	JONES 95-NA-182	
DURIP95/DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM-- ESTABLISHMENT OF FRASIA CAPABILITY Pennsylvania State University	MacDonald	Digby	N 96 22/03/95 \$365,043	JONES 95-NA-183	
DURIP95/MULTIPURPOSE HIGH TEMPERATURE ENVIRONMENTAL TEST FACILITY FOR UNIAXIAL & BIAXIAL TESTING UNDER MONOTONIC & CYCLIC LOADING Washington University	Sastry	Shankar	N 96 22/03/95 \$253,555	JONES 95-NA-184	
DURIP95/DURABILITY AND LIFE ASSESSMENT FOR AFFORDABLE MANUFACTURING OF POLYMER-MATRIX COMPOSITES Univ of Delaware	Gillespie Jr	John	N 96 22/03/95 \$358,900	JONES 95-NA-185	
DURIP95/INSTRUMENTATION FOR HIGH TEMPERATURE TESTING OF ADVANCED MATERIALS Purdue University	Espinosa	Horacio	N 96 22/03/95 \$64,560	JONES 95-NA-186	
NANO-STRUCTURES VIA DIFFUSION LIMITED CRYSTALLIZATION FROM SOLUTION PRECURSORS: SYNTHESIS AND PROPERTIES Univ of California, Santa Barbara	Lange	Fred	N 36 28/03/95 \$500,000	A PECHENIK 95-NA-187	\$200,000 01/05/95 \$500,000
AFOSR/WL AGING AIRCRAFT CONFERENCE Wright Lab	Cordell	Tobey	N 06 29/03/95 \$15,000	A JONES 95-NA-188	\$15,000 01/04/95 \$15,000

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TO SUPPORT ALC'S AGING AIRCRAFT WORKING GROUP MEMBERS ATTENDING AFOSR AGING AIRCRAFT CONFERENCE/AFMC AGING A/C WORKING GRP MTG. Air Materiel Command	Robert Moore	N 03 31/03/95 \$15,000	A WU 95-NA-189	\$15,000 01/04/95 \$15,000
QUASISTATIC MECHANICS AND MATERIAL STABILITY OF PARTICULATE MEDIA Univ of California, San Diego	Joe Goddard	N 24 31/03/95 \$236,896	LEWIS 95-NA-190	
COLLABORATIVE RESEARCH FOR ADVANCED MODELING AND NUMERICAL SIMULATION OF SURFACTANT ENHANCED AQUIFER REMEDIATION Duke University	John Trangenstein	N 36 31/03/95 \$1,416,233	LEWIS 95-NA-191	
PROBABILISTIC FRACTURE MECHANICS FOR AEROSTRUCTURES Vanderbilt University	Thomas Cruse	N 36 31/03/95 \$231,860	WU 95-NA-192	

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COULOMB CRYSTALLIZATION IN DUSTY PLASMAS Univ of California, San Diego	Rosenberg	N 36 04/01/95 \$180,000	A BARKER 95-NE-129	\$70,000 01/04/95 \$180,000
SYMPOSIUM B "DEFECT AND IMPURITY ENGINEERED SEMICONDUCTORS AND DEVICES Materials Research Society	Ballance	N 12 04/01/95 \$2,000	POMRENKE 95-NE-130	
SYMPOSIUM AAA "GALLIUM NITRIDE AND RELATED MATERIALS" Materials Research Society	Ballance	N 12 04/01/95 \$5,000	POMRENKE 95-NE-131	
SQUID SENSORS: FUNDAMENTALS, FABRICATION AND APPLICATIONS National Science Foundation	Metcalf	N 06 09/01/95 \$10,000	A WEINSTOCK 95-NE-132	\$10,000 31/03/95 \$10,000
RESEARCH INTO HIGH TEMPERATURE ELECTRONIC MATERIALS Wright Lab	Smith	N 07 09/01/95 \$4,000,000	D POMRENKE 95-NE-133	\$4,000,000 01/03/95 \$4,000,000
RESEARCH INTO HIGH TEMPERATURE ELECTRONIC MATERIALS Wright Lab	Smith	N 07 09/01/95 \$4,000,000	A POMRENKE 95-NE-134	\$4,000,000 01/03/95 \$4,000,000
BASIC RESEARCH ON NOVEL SHEET ELECTRON BEAM AND HIGH POWER SLOW-WAVE AMPLIFIER CONFIGURATIONS Univ of Wisconsin	Booske	N 36 10/01/95 \$449,970	BARKER 95-NE-135	
HIGH-BANDWIDTH OPTICAL PACKET SWITCHING TECHNOLOGY FOR OPTICAL FIBER COMMUNICATION SRI International	Kachru	N 36 10/01/95 \$2,099,252	CRAIG 95-NE-136	
STORAGE AND TRANSPORT OF ANTI-PROTONS Pennsylvania State University	Smith	R 12 11/01/95 \$80,000	A KELLEY 95-NE-137	\$80,000 01/04/95 \$80,000

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PREPARATION OF HIGH-PERFORMANCE FIELD EMISSION CATHODES BY DEPOSITION OF LOW WORK FUNCTION FILMS Linfield Research Institute	Davis	N 36 12/01/95 \$299,558	A BARKER 95-NE-138	\$99,875 01/04/95 \$299,558
SELF-FIELD-DOMINATED PLASMA Compton Research Laboratory Inc	Nardi	N 36 20/01/95 \$639,870	A BARKER 95-NE-139	\$239,870 01/05/95 \$639,870
NON-STOICHIOMETRIC MATERIALS: LATERAL CONTROL OF DEFECTS AND A PRO CESS MODEL FOR IMPROVED YIELD AND PERFORMANCE Georgia Institute of Tech	Brown	N 36 23/01/95 \$450,000	WITT 95-NE-140	
MULTIDIMENSIONAL MULTIWAVELENGTH CIRCUIT/PACKET SWITCHING USING WAVELENGTH CONVERSION VIA FOUR WAVE MIXING (FWM) IN SEMICONDUCTOR Georgia Tech Research Corporation	Blumenthal	N 36 23/01/95 \$374,758	CRAIG 95-NE-141	
SBIR-95 ULTRAFAST ELECTRONIC DIAGNOSTICS AND TESTING Focused Research Inc	Marsland	N 06 25/01/95 \$80,000	SCHLOSSBER 95-NE-142	
SBIR-95 A NOVEL TIME SCALE TRANSFORMATION MEASUREMENT SYSTEM Physical Optics Corporation	Katsman	N 06 25/01/95 \$79,981	SCHLOSSBER 95-NE-143	
SBIR-95 GIGAHERTZ RATE OPTICAL SAMPLING BRIDGE Visidyne Inc	Wyntjes	N 06 25/01/95 \$79,598	SCHLOSSBER 95-NE-144	
SBIR-95 LATTICE-MATCHED SUBSTRATE FOR CUBIA GAN Spire Corporation	Vernon	N 06 25/01/95 \$79,786	POMRENKE 95-NE-145	
SBIR-95 NITRIDE-BASED MATERIALS FOR HIGH TEMPERATURE ELECTRONICS USING SILICON CARBIDE LAYER Astralux	Walker	N 06 25/01/95 \$80,000	POMRENKE 95-NE-146	

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SBIR-95 NITRIDE-BASED MATERIALS FOR HIGH TEMPERATURE ELECTRONICS USING VAN DER WAALS SUBSTRATES Astralux	Leksono Moeljanto	N 06 25/01/95 \$80,000	POMRENKE 95-NE-147	
SBIR-95 GROWTH OF GAN BY REMOTE MICROWAVE PLASMA-ENHANCED METALORGANIC CHEMICAL VAPOR DEPOSITION Astralux	Leksono Moeljanto	N 06 25/01/95 \$80,000	POMRENKE 95-NE-148	
SBIR-95 ALTERNATE PRECURSORS FOR LOW TEMPERATURE GROWTH OF INDIUM GAN Advanced Technology Materials Inc.	Redwing Joan	N 06 25/01/95 \$80,000	POMRENKE 95-NE-149	
GERMANIUM CARBIDE SUBSTRATES FOR LATTICE MATCHED G(A)N GROWTH Advanced Technology Materials Inc.	Powell Adrian	N 06 25/01/95 \$80,000	POMRENKE 95-NE-150	
ULTRATHIN Si(DC)OM-INSULATOR (Si(DC)OI) FOR ALE GROWTH OF LOW- DEFECT GROUP III NITRIDES Spire Corporation	Namavar Fereydoon	N 06 25/01/95 \$79,964	POMRENKE 95-NE-151	
NITRIDE-BASED MATERIALS FOR HIGH TEMPERATURE ELECTRONICS USING SACRIFICIAL SUBSTRATE Astralux	Qiu Chang-hua	N 06 25/01/95 \$80,000	POMRENKE 95-NE-152	
NOVEL LATTICE AND THERMAL MATCHED BUFFER LAYERS FOR EPITAXIAL GROWTH OF G(A)N ON SILICON SUBSTRATES Brimrose Corp. of America	Jagannathan G.	N 06 25/01/95 \$80,000	POMRENKE 95-NE-153	
GROWTH OF SEMICONDUCTOR NITRIDE ALLOY FILMS Linares Management Assoc, Inc. (LMAINC)	Linares Robert	N 06 25/01/95 \$68,756	POMRENKE 95-NE-154	
LOW COST SUBSTRATES FOR GALLIUM NITRIDE FILMS Linares Management Assoc, Inc. (LMAINC)	Doering Patrick	N 06 25/01/95 \$69,784	POMRENKE 95-NE-155	

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MOCVD GROWTH AND HIGH-TEMPERATURE CHARACTERISTICS OF G(A)I(N)M/ G(A)N-BASED DEVICES Emcore Corporation	Chern	N 06 25/01/95 \$79,913	POMRENKE 95-NE-156	
SBIR-95 COMPLIANCE SUBSTRATES FOR GALLIUM NITRIDE GROWTH Advanced Technology Materials Inc.	Powell	N 06 25/01/95 \$80,000	POMRENKE 95-NE-157	
SBIR-95 ATOMIC NITROGEN SOURCE FOR GAN GROWTH Physical Sciences Inc	Gelb	N 06 25/01/95 \$80,000	POMRENKE 95-NE-158	
SBIR-95 CONTROLLED GROWTH OF HETERO-EPIAXIAL, SINGLE-CRYSTAL ALN THIN FILMS Creare Inc. Research & Development Inc	Onishi	N 06 25/01/95 \$79,783	POMRENKE 95-NE-159	
SBIR-95 OPTIMIZATION OF MBE GROWTH OF III-V NITRIDES FOR HIGH TEMP ELECTRONIC APPLICATIONS USING MULTIPLE RF NITROGEN PLASMA SOURCES SVT Associate Inc	VanHove	N 06 25/01/95 \$79,282	POMRENKE 95-NE-160	
SBIR-95 NOVEL BUFFER LAYERS FOR HIGH QUALITY GALLIUM S.I. Diamond Technologies, Inc	McGonigal	N 06 25/01/95 \$80,000	POMRENKE 95-NE-161	
SBIR-95 GAN BASED HETEROSTRUCTURES Quantum Epitaxial Designs, Inc.	Massie	N 06 25/01/95 \$78,685	POMRENKE 95-NE-162	
SBIR-95 HIGH TEMPERATURE HETEROJUNCTION TRANSISTORS WITH HIGH GAIN AND WIDE BANDWIDTH NZ Applied Technologies	Norris	N 06 25/01/95 \$79,999	POMRENKE 95-NE-163	
SBIR-95 HOMOEPITAXIAL GROWTH AND CHARACTERIZATION OF GALLIUM NITRIDE (GAN) SINGLE CRYSTAL FILMS TRS Ceramics Inc	Zhu	N 06 25/01/95 \$79,913	POMRENKE 95-NE-164	

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SBIR-95 ADVANCEMENT OF GAN AND GAI-X ALXN MATERIALS FOR USE IN HIGH TEMPERATURE ELECTRONICS Fermionics Corporation	Chu Muren	N 06 26/01/95 \$80,000	POMRENKE 95-NE-165	
SBIR-95 A NEW TECHNIQUE FOR GROWTH OF HIGH QUALITY III-V NITRIDE SEMICONDUCTORS Vactronics Lab Equipment Inc	Bu Vue	N 06 26/01/95 \$79,986	POMRENKE 95-NE-166	
SBIR-95 DEVELOPMENT OF GALLIUM NITRIDE MATERIALS GROWTH TECH BY METALORGANIC CHEMICAL VAPOR DEPOSITION FOR HIGH TEMP ELEC APPLICAT Epitronics Corporation	Givens Michael	N 06 26/01/95 \$80,000	POMRENKE 95-NE-167	
SBIR-95 GROWTH OF GAN SUBSTRATES USING LOW PRESSURE VAPOR PHASE EPITAXY Epitronics Corporation	Adams Robert	N 06 26/01/95 \$80,000	POMRENKE 95-NE-168	
SBIR-95 MBE THIN FILM FORMATION USING A NOVEL LOW ENERGY HIGH FLUX ATOMIC AND MOLECULAR NITROGEN SOURCE IONWERKS	Schultz J. Albert	N 06 26/01/95 \$79,505	POMRENKE 95-NE-169	
SBIR-95 CRYO RADICAL CHEMISTRY AND CLUSTER BEAM DEPOSITION AS ALTERNATIVE APPROACHES TO III/V NITRIDE GROWTH IONWERKS	Schultz J. Albert	N 06 26/01/95 \$79,749	POMRENKE 95-NE-170	
SBIR-95 BOOTSTRAP DEVELOPMENT OF LOW COST, HIGH QUALITY III-N SUBSTRATES American Xtal Technology	Helava Heikki	N 06 26/01/95 \$77,140	POMRENKE 95-NE-171	
SBIR-95 PLASMA DEPOSITION AND ION IMPLANTATION OF THIN NITRIDE FILMS Consultec Scientific Inc	Hunter Scott	N 06 26/01/95 \$79,999	POMRENKE 95-NE-172	
SBIR-95 SELF-SHIELDING SUPERCONDUCTING SOLENOIDS Intermagnetics General Corp	Parizh Michael	N 06 26/01/95 \$79,422	KELLEY 95-NE-173	

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CONFERENCE ON NONLINEAR DYNAMICS IN OPTICAL SYSTEMS Univ of Rochester	Agrawal Govind	N 09 26/01/95 \$9,570	A SCHLOSSBER 95-NE-174	\$9,570 01/04/95 \$9,570
LOW TEMPERATURE SUPERCONDUCTOR DIGITAL ELECTRONICS State University of New York	Likharev Konstantin	N 24 30/01/95 \$1,394,000	A WEINSTOCK 95-NE-175	\$1,394,000 15/09/95 \$2,844,000
OPTOELECTRONIC DEVICE AND SYSTEM DEVELOPMENT FOR IMAGING THROUGH TURBULENCE Univ of California, San Diego	Fainman Shaya	N 36 30/01/95 \$290,903	A CRAIG 95-NE-176	\$102,113 01/04/95 \$318,265
INDIUM MONO-ION OSCILLATOR (IT) Univ of Washington	Nagourney Warren	N 36 31/01/95 \$385,371	KELLEY 95-NE-177	
ALL FIBER-BASED OPTICAL TRANSMITTERS AND SWITCHING TECHNOLOGIES Univ of Connecticut	Cheo Peter	N 24 31/01/95 \$250,419	CRAIG 95-NE-178	
HIGH POWER, MILLIMETER WAVE GYRO-AMPLIFIERS Massachusetts Institute of Technology	Kreischer Kenneth	N 36 01/02/95 \$618,180	W BARKER 95-NE-179	
EIGHTH INTERNATIONAL CONFERENCE ON SCANNING TUNNELING MICROSCOPY SPECTROSCOPY (STM'95) American Vacuum Society	Colton Richard	N 02 01/02/95 \$5,000	D WEINSTOCK 95-NE-180	
400-1000 GHZ, SUBMICRON SCHOTTKY-COLLECTOR HETEROJUNCTION BIPOLAR TRANSISTORS FOR MM-WAVE TRANSISTOR ELECTRONICS Univ of California, Santa Barbara	Rodwell Mark	N 36 06/02/95 \$467,682	SCHLOSSBER 95-NE-181	
NONPERTURBATIVE NONLINEAR OPTICS IN A LIGHT PIPE FOR HIGH INTENSIT Y LASER PULSES Univ of Maryland	Milchberg Howard	N 36 08/02/95 \$617,000	SCHLOSSBER 95-NE-182	

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HOLOGRAPHIC 3D DISKS				
California Institute of Technology	Psaltis	R 36 08/02/95 \$404,377	CRAIG 95-NE-183	
NOVEL PROCESSING TECHNIQUES FOR ELECTRONIC AND OPTO-ELECTRONIC APPLICATIONS: QUANTUM-WELL DEVICES AND INTEGRATED OPTIC CIRCUITS	Osgood	R 36 08/02/95 \$1,650,000	A SCHLOSSBER 95-NE-184	\$100,000 15/06/95 \$1,650,000
SELF-SHIELDING SUPERCONDUCTING SOLENOIDS				
Magnet Analysis for Government Industry	Weggel	N 06 09/02/95 \$39,000	KELLEY 95-NE-185	
SELF-SHIELDING SUPERCONDUCTING SOLENOIDS				
Digital Physics Associates	Nachamkin	N 06 09/02/95 \$80,000	KELLEY 95-NE-186	
DESIGN OF SELF-SHIELDING SUPERCONDUCTING SOLENOIDS				
CMS Consulting	Sinha	N 06 09/02/95 \$54,350	KELLEY 95-NE-187	
A COMPUTER CODE FOR OPTIMIZING THE SELF-SHIELDING EFFECT IN SUPERCONDUCTING SOLENOIDS	Goodzeit	N 06 09/02/95 \$79,989	KELLEY 95-NE-188	
SELF-SHIELDING OPTIMIZATION OF SUPERCONDUCTING SOLENOIDS				
JC Monzon	Monzon	N 06 09/02/95 \$60,000	KELLEY 95-NE-189	
SELF-SHIELDING SUPERCONDUCTING SOLENOID SYSTEM				
Information Technology	Ding	N 06 09/02/95 \$72,707	KELLEY 95-NE-190	
SELF-SHIELDING SUPERCONDUCTING SOLENOIDS				
Nova Management Inc	Ingham	N 06 09/02/95 \$69,552	KELLEY 95-NE-191	

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SUPERCONDUCTING SELF-SHIELDING SOLENOIDS				
Mallorac Cryogenics Corporation	Carolann	N 06 09/02/95 \$78,759	KELLEY 95-NE-192	
ATOMIC FORCE VOLTAGE PROBE FOR TESTING ULTRAFAST ELECTRONICS				
Spectral Solutions	van der Weide	N 36 09/02/95 \$79,450	SCHLOSSBER 95-NE-193	
AN ULTRA-WIDEBAND (>300 GHZ) HIGH-SAMPLING (100 GHZ) APPARATUS FOR MILLIMETER-WAVE SIGNAL MEASUREMENTS				
General Photonic Corporation	Sackett	N 36 09/02/95 \$80,000	SCHLOSSBER 95-NE-194	
ULTRAFAST ELECTRONIC DIAGNOSTICS WITH AN RF SIGNAL TRAIN GENERATOR				
Liceimer	Li	N 06 09/02/95 \$80,000	SCHLOSSBER 95-NE-195	
GROWTH OF EPITAXIAL ALN THIN FILMS ON LARGE AREA SILICON				
ESDI, Inc	Ganapathi	N 06 09/02/95 \$79,665	POMRENKE 95-NE-196	
DOPED CBN FILM DEPOSITION BY HYBRID LASER-ION TECHNIQUE				
ESDI, Inc	Ganapathi	N 06 09/02/95 \$79,665	POMRENKE 95-NE-197	
INNOVATIVE ATOMIC-NITROGEN SOURCE FOR MBE GROWTH OF DEVICE-QUALITY NITRIDE MATERIALS FOR HIGH-TEMPERATURE ELECTRONICS				
Surface/Interface Inc	Bryson, III	N 06 09/02/95 \$79,955	POMRENKE 95-NE-198	
AN INNOVATIVE APPROACH TO III-V NITRIDE MATERIAL GROWTH FOR USE IN HIGH TEMPERATURE ELECTRONICS				
Vactronics Lab Equipment Inc	Fricano	N 06 09/02/95 \$79,400	POMRENKE 95-NE-199	
GROWTH OF LARGE SINGLE CRYSTALS OF GAN, ALN & CBN				
Clay's	Clay	N 06 09/02/95 \$80,000	POMRENKE 95-NE-200	

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HIGH PERFORMANCE ATOMIC NITROGEN SOURCE				
MBE Technologies, Ovation Industries Inc.	Braddock	N 06 09/02/95 \$79,884	POMRENKE 95-NE-201	
IMPROVED SOURCES FOR MOLECULAR BEAM EPITAXY OF GROWTH OF NITROGEN BASED MATERIALS				
MNB Technologies	Millunchick	N 06 09/02/95 \$98,599	POMRENKE 95-NE-202	
GAN FOR HIGH TEMPERATURE ELECTRONICS				
Cascade Display & Electronics	DeLaRosa	N 06 09/02/95 \$79,995	POMRENKE 95-NE-203	
METAL CONTACTS FOR HIGH-TEMPERATURE GAN ELECTRONIC APPLICATIONS				
Spectra Diode Laboratories, Inc	Zhao	N 06 09/02/95 \$79,930	POMRENKE 95-NE-204	
NOVEL METHODS FOR PROCESSING OF ALN, GAN, ALXGA(1-X)N ALLOYS AND C-BN				
Novel Pharmaceutical Inc	Bhandari	N 06 09/02/95 \$79,904	POMRENKE 95-NE-205	
STUDIES OF GERMANIUM - SILICON STRUCTURES FOR INFRARED DETECTORS				
Fisk University	Burger	N 36 14/02/95 \$548,869	POMRENKE 95-NE-206	
INFRARED DETECTORS INTEGRATED				
Arizona State University	Mathine	N 12 14/02/95 \$50,000	A CRAIG 95-NE-207	\$25,000 01/04/95 \$25,000
OPTICAL AND MAGNETIC RESONANCE CHARACTERIZATION OF POINT DEFECTS IN NONLINEAR CRYSTALS				
West Virginia University Research Corp	Halliburton	N 12 14/02/95 \$20,000	A POMRENKE 95-NE-208	\$20,000 15/05/95 \$20,000
FIFTH SYMPOSIUM ON FREQUENCY STANDARDS AND METROLOGY				
National Inst. of Standards & Technology	Bergquist	N 06 15/02/95 \$23,000	A KELLEY 95-NE-209	\$23,000 01/10/95 \$23,000

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SILICON AND GERMANIUM THIN FILM CHEMICAL VAPOR DEPOSITION, MODELING AND CONTROL Univ of Texas at Austin	Ekerdt	N 60 22/02/95 \$4,000,000	A POMRENKE 95-NE-210	\$800,000 01/06/95 \$4,000,000
PROCESS MODELING AND IN-SITU SENSOR FEEDBACK BASED ADAPTIVE CNTRL OF MBE AND ION-ASSIST. REACTIVE ETCHING OF ADV. SEMICOND. STRUCT. Univ of Southern Cal --- School of Eng	Madhukar	N 60 22/02/95 \$4,500,000	A POMRENKE 95-NE-211	\$900,000 01/07/95 \$4,500,000
EFFICIENT, HIGH-SPEED, AND LOW-POWER-DISSIPATION CRYOLASERS Univ of New Mexico	Cheng	N 12 23/02/95 \$50,000	CRAIG 95-NE-212	
SEVENTH INTERNATIONAL CONFERENCE ON INDIUM PHOSPHIDE AND RELATED MATERIALS Inst. of Electrical & Electronics Engrg	Labuda	N 12 07/03/95 \$20,000	A SCHLOSSBER 95-NE-213	\$18,210 01/04/95 \$18,210
INTERSUBBAND QUANTUM-BOX SEMICONDUCTOR LASERS Univ of Wisconsin	Botez	N 36 07/03/95 \$469,790	SCHLOSSBER 95-NE-214	
HYSTERESIS AND ACOUSTIC EMISSION AS NON-DESTRUCTIVE MEASURES OF THE FATIGUE PROCESS IN METALS Illinois Institute of Technology	Guralnick	N 14 13/03/95 \$159,168	A WEINSTOCK 95-NE-215	\$159,168 01/04/95 \$159,168
SYNTHESIS AND CHARACTERIZATION OF INTLP AND INTLAS Univ of Florida	Abernathy	N 36 14/03/95 \$372,650	POMRENKE 95-NE-216	
A MULTISPECTRAL SUPERCONDUCTING QUANTUM DETECTOR Westinghouse Electric Corporation	Bluzer	N 36 15/03/95 \$600,000	WEINSTOCK 95-NE-217	
GAMMA-RAY FLASHES AT EXAWATT POWERS FOR DEFENSE STRATEGIES University of Texas at Dallas	Collins	N 36 16/03/95 \$855,000	KELLEY 95-NE-218	

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MICROWAVE SIGNAL PROCESSING DEVICE USING MULTILAYERED NON-COLLINEAR VIG STRUCTURES Jackson State University	Sun Kunquan	N 36 17/03/95 \$99,960	D WEINSTOCK 95-NE-219	
CAASERT-95) NOISE CHARACTERIZATION OF DEVICES FOR OPTICAL COMPUTING Texas Tech University	Walkup John	N 36 22/03/95 \$117,658	A CRAIG 95-NE-220	\$117,658 15/06/95 \$117,658
MBE GROWTH AND CHARACTERIZATION OF LOW TEMPERATURE GAAS STRUCTURES Univ of Texas	Alavi Kambiz	N 24 22/03/95 \$272,072	WITT 95-NE-221	
CONFERENCE ON FUTUR DIRECTIONS FOR LASERS IN MEDICINE AND SURGERY IV Engineering Foundation	Freiman Charles	N 06 24/03/95 \$10,000	D SCHLOSSBER 95-NE-222	
ALL OPTICAL POLYMERIC LIQUID CRYSTAL SWITCH FOR SCANNING BEAM MEASUREMENT APPLICATIONS University of Tulsa	LoPresti Peter	N 24 24/03/95 \$85,785	SCHLOSSBER 95-NE-223	
ORGANIZATION OF THE 1995 OPTICAL COMPUTING TOPICAL MEETING Optical Society of America	Hennage David	N 06 28/03/95 \$5,000	A CRAIG 95-NE-224	\$5,000 01/04/95 \$5,000

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NONLINEAR OPTICS OF METAL COATED QUANTUM DOTS Rensselaer Polytechnic Institute	Birnboim	N 12 09/01/95 \$31,147	A SHELDON 95-NI-009	\$31,147 01/01/95 \$31,147
FACULTY RESEARCH PROPOSALS FY95 (AFIT) Air Force Institute of Technology	Bridgeman	N 12 19/01/95 \$250,000	A SHELDON 95-NI-010	\$250,000 01/03/95 \$250,000
PHYSICS OF HIGH-POWER VISIBLE SEMICONDUCTOR LASERS Air Force Institute of Technology	Lott	N 06 23/01/95 \$38,000	A ZARBO 95-NI-011	\$37,900 25/03/95 \$38,000
GOVERNMENT-UNIVERSITY-INDUSTRY RESEARCH Office of Naval Research	Polk	N 12 15/03/95 \$25,000	A HART 95-NI-012	\$25,000 01/06/95 \$25,000
NATIONAL RESEARCH COUNCIL - RESIDENT RESEARCH ASSOCIATESHIP PROGRAM (RRA) National Research Council	Manka	N 60 15/03/95 \$3,627,198	A SHELDON 95-NI-013	\$127,198 01/08/95 \$3,627,198
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM John Hopkins University Center	POTEMBER	N 36 27/03/95 \$2,908,075	A WHITE 95-NI-014	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Michigan	LIKER	N 36 27/03/95 \$1,892,217	A WHITE 95-NI-015	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM University City Science Center	LIEBERGOT	N 36 27/03/95 \$2,402,064	A WHITE 95-NI-016	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Texas at Austin	PHILLIPS	N 36 27/03/95 \$2,583,653	A WHITE 95-NI-017	

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US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM North Carolina State University	SYLVESTER JR	N 36 27/03/95 \$2,585,430	A WHITE 95-NI-018	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Hawaii	DANIEL	N 36 27/03/95 \$2,686,579	A WHITE 95-NI-019	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Washington	TSUTSUI	N 36 28/03/95 \$1,509,426	A WHITE 95-NI-020	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Wisconsin	CHAPMAN	N 36 28/03/95 \$2,882,480	WHITE 95-NI-021	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Massachusetts Institute of Technology	SAMUELS	N 36 28/03/95 \$2,770,834	A WHITE 95-NI-022	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Georgia Tech Research Corporation	ENDICOTT	N 36 28/03/95 \$3,071,641	A WHITE 95-NI-023	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM Univ of Maryland	PECHT	N 36 28/03/95 \$2,218,215	WHITE 95-NI-024	
US-JAPAN INDUSTRY AND TECHNOLOGY MANAGEMENT TRAINING PROGRAM The RAND Corporation	WOLF JR	N 36 28/03/95 \$3,186,828	A WHITE 95-NI-025	
NONLINEAR AERODYNAMIC MODELING FOR AIRCRAFT CONFIGURATIONS Ohio University	Graham	N 12 31/03/95 \$55,017	A SHELDON 95-NI-026	\$4,480 01/09/95 \$4,480

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A NEW APPROACH TO THE ANALYSIS OF BIOMEDICAL DATA Univ of Maine	Gupta Ramesh	N 03 31/03/95 \$37,112	A SHELDON 95-NI-027	\$37,112 01/06/95 \$37,112
ANALYSIS OF THE CHANGES IN HUMAN VISUAL CONTRAST SENSITIVITY DURING GZ INDUCED GREYOUT Univ of Dayton	Rogers Dana	N 12 31/03/95 \$112,343	A SHELDON 95-NI-028	
A GENETIC APPROACH TO MAMMALIAN CIRCADIAN RHYTHMS (CO-PI) Univ of Pennsylvania	Pickard Gary	N 12 31/03/95 \$128,247	A SHELDON 95-NI-029	
A STUDY OF PHOTOREFRACTIVE CRYSTAL PROPERTIES FOR NONLINEAR OPTICAL APPLICATIONS Alfred University	Leigh Wallace	N 12 31/03/95 \$107,352	A SHELDON 95-NI-030	

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MOLECULAR PROPERTIES OF POLY(ADP-RIBOSE) POLYMERASE PROTEASES. IDE NTIFICATION OF AN ENDOPEPTIDASE AND AN INDUCIBLE AMINOPEPTIDASE... San Francisco State University	Kun Ernest	R 36 04/01/95 \$677,000	A KOZUMBO 95-NL-108	\$220,000 01/05/95 \$677,000
CONDUCTION MECHANISMS IN BENZIMIDAZOBENZOPHENANTHROLINE LADDER (88 L) AND SEMI-LADDER (888) POLYMERS AND THEIR OLIGOMERS Univ of Missouri	Sandreczki Tom	N 36 04/01/95 \$156,470	LEE 95-NL-109	
SUPPRESSION OF RECOMBINATION IN SOLID HYDROGEN HOSTS Univ of Hawaii	Gaines James	N 36 06/01/95 \$487,201	BERMAN 95-NL-110	
EXTENSION OF SAM1 TO THE FIRST ROW TRANSITION METALS Univ of Missouri	Holder Andre	N 36 06/01/95 \$399,729	BERMAN 95-NL-111	
HETEROGENEOUS CHEMISTRY ASSOCIATED WITH ALUMINUM OXIDE PARTICLES Pennsylvania State University	Castleman, Jr. A.W.	N 36 06/01/95 \$410,774	BERMAN 95-NL-112	
ALUMINUM OXIDE SURFACE CHEMISTRY RELEVANT TO THE STRATOSPHERIC OZO NE CYCLE Aerodyne Research Inc	Freedman Andrew	N 36 06/01/95 \$599,066	BERMAN 95-NL-113	
PARAFOVEAL VERSUS FOVEAL WORD PROCESSING AND IMPLICIT VERSUS EXPLI CIT MEMORY Southern Illinois University	Ferguson Eva	N 24 12/01/95 \$92,688	TANGNEY 95-NL-114	
CONTRIBUTIONS OF DISTINCT NEURAL PATHWAYS TO TARGET DETECTION IN W IDE FIELD VISUAL SCENES Oxford University	Young Malcom	N 12 12/01/95 \$25,000	A COLLINS 95-NL-115	\$50,000 01/02/95 \$50,000
APS CONFERENCE ON BIOLOGICAL CLOCKS Amercoam Physiological Society	Frank Martin	N 06 23/01/95 \$5,000	HADDAD 95-NL-116	

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PERCEIVED VARIABILITY IN DECISION-MAKING Univ of Minnesota	Curley Shawn	N 36 24/01/95 \$290,587	TANGNEY 95-NL-117	
SENSORY MATCH AND CONTEXT EFFECTS IN IMPLICIT AND EXPLICIT MEMORY New York University	Snodgrass Joan	N 36 24/01/95 \$273,760	TANGNEY 95-NL-118	
MULTIFUNCTIONAL POLYMER GELS BY DESIGN Auburn University	Jang Bor	N 36 25/01/95 \$240,720	LEE 95-NL-119	
NONLINEAR OPTICAL SUSCEPTIBILITIES OF CONJUGATED POLYMERS Univ of Rochester	Mukamel Shaul	R 36 25/01/95 \$565,000	BERMAN 95-NL-120	
SINGLE-PARTICLE STUDIES OF HETEROGENEOUS ATMOSPHERIC CHEMISTRY ON ALUMINUM OXIDE PARTICLES IN A QUADRUPOLE TRAP Physical Sciences Inc	Rawlins W. Terry	N 36 25/01/95 \$280,986	BERMAN 95-NL-121	
THERMOPLASTIC NANOCOMPOSITES DESIGN, SYNTHESIS & PROPERTIES Cornell University	Giannelis Emmanuel	N 36 25/01/95 \$567,732	LEE 95-NL-122	
STUDIES OF THE REACTIONS, AND KINETICS OF ATMOSPHERIC GASES ON ALUMINA: THE HETEROGENEOUS STRATOSPHERIC CHEMISTRY POTENTIAL OF Univ of California, Irvine	Hemminger John	N 36 25/01/95 \$452,525	BERMAN 95-NL-123	
THE MICROPHYSICS AND HETEROGENEOUS CATALYTIC CHEMISTRY OF MODEL AT MOSPHERIC ALUMINA AEROSOLS Univ of North Carolina	Miller Roger	N 36 25/01/95 \$485,900	A BERMAN 95-NL-124	\$150,000 01/06/95 \$392,000
THE EXPLOSIVE COMBUSTION OF AEROSOL FUELS Univ of North Carolina	Miller Roger	N 36 25/01/95 \$227,025	BERMAN 95-NL-125	

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LABORATORY STUDIES OF THE STRATOSPHERIC EFFECTS OF ROCKET EXHAUST Massachusetts Institute of Technology	Molina Mario	N 36 25/01/95 \$426,100	BERMAN 95-NL-126	
DIFFUSIBLE PHASE-SETTING SIGNALS OF THE BIOLOGICAL CLOCK Barnard College of Columbia University	Silver Rae	N 36 30/01/95 \$325,140	HADDAD 95-NL-127	
CLUSTER IONS Univ of California, Santa Barbara	Bowers Michael	N 36 08/02/95 \$568,421	BERMAN 95-NL-128	
SPECTROSCOPIC AND KINETIC STUDIES USING ULTRA-SENSITIVE ABSORPTION AND ROOM TEMPERATURE DIODE LASERS Physical Sciences Inc	Davis Steven	R 36 08/02/95 \$299,849	BERMAN 95-NL-129	
THE NEUROCHEMICAL REGULATION OF CATECHOLAMINE SECRETION FROM SINGLE ADRENAL CHROMAFFIN CELLS Washington University	Lingle Christopher	N 60 08/02/95 \$979,209	HADDAD 95-NL-130	
ON THE ORIGIN OF METASTABILITY IN HIGH ENERGY DENSITY MATERIALS Johns Hopkins University	Yarkony David	R 36 21/02/95 \$343,869	BERMAN 95-NL-131	
ATMOSPHERIC EFFECTS OF ROCKET EXHAUST: CHARACTERIZATION OF PARTICULATE/AEROSOL EMISSIONS Univ of Missouri	Whitefield Philip	N 36 21/02/95 \$495,935	BERMAN 95-NL-132	
CHEMICAL REACTIONS OF NCl (A1): GENERATION AND REMOVAL Kansas State University	Setser Donald	N 36 21/02/95 \$255,000	BERMAN 95-NL-133	
SEMINCONDUCTOR AND GLASS COMPOSITES FOR NON-LINEAR, GUIDED-WAVE OPTICAL APPLICATIONS Univ of Florida	Simmons Joseph	R 36 21/02/95 \$483,000	DELONG 95-NL-134	

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A SELF-ORGANIZING NEURAL NETWORK ARCHITECTURE FOR AUDITORY AND SPEECH PERCEPTION WITH APPLICATIONS TO ACOUSTIC AND OTHER TEMPORAL .. Boston University	Grossberg Stephen	N 36 21/02/95 \$566,965	TANGNEY 95-NL-135	
SOUND PROCESSING IN A REVERBERANT WORLD Loyola University	Yost William	R 36 21/02/95 \$330,196	TANGNEY 95-NL-136	
STRUCTURE AND FUNCTIONS OF THE HUMAN PREFRONTAL CORTEX New York Academy of Sciences	Grafman Jordan	N 06 28/02/95 \$5,000	D HADDAD 95-NL-137	
ULTRA-THIN FILMS FOR OPTO-ELECTRONIC APPLICATIONS AFOSR/Far East	Ogata Naoya	N 36 28/02/95 \$75,000	LEE 95-NL-138	
FOURTH CONFERENCE ON MOLECULAR REACTION DYNAMICS IN CONDENSED MATTER Univ of Utah	Wight Charles	N 01 01/03/95 \$15,000	A BERMAN 95-NL-139	\$10,000 01/06/95 \$10,000
THE LUMINANCE FLICKER-MOTION MECHANISM IS REORGANIZED BY CHROMATIC ADAPTATION Harvard University	Stromeyer III Charles	N 36 01/03/95 \$524,500	TANGNEY 95-NL-140	
CHEMISTRY INVOLVING THE PREPARATION, ISOLATION, AND IMMOBILIZATION OF III-V COMPOUND SEMICONDUCTOR NANOCRYSTALS AND QUANTUM DOTS Duke University	Wells Richard	R 36 01/03/95 \$541,251	DELONG 95-NL-141	
THE NEURAL BASIS AND FUNCTIONAL CHARACTERISTICS OF PERIPHERAL VISION Oxford University	Blakemore Colin	N 24 06/03/95 \$240,535	HADDAD 95-NL-142	
INFORMATION FOR OBJECT RECOGNITION AND SPATIAL APPREHENSION Univ of South Florida	Sanocki Thomas	N 36 07/03/95 \$220,500	TANGNEY 95-NL-143	

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TIME COURSE OF OBJECT RECOGNITION AND SCENE APPREHENSION Univ of South Florida	Sanocki Thomas	N 36 07/03/95 \$299,905	TANGNEY 95-NL-144	
ACOUSTIC AND PHONETIC TRADING RELATIONS FOR NOISE BAND SIGNALS Univ of Maryland School of Med	Formby Craig	N 36 08/03/95 \$672,441	TANGNEY 95-NL-145	
MONAURAL AND BINAURAL PROCESSING OF COMPLEX WAVEFORMS Univ of Connecticut Health Center	Trahiotis Constantine	R 36 09/03/95 \$305,999	TANGNEY 95-NL-146	
CAGE AZABORANES AS HIGH ENERGY DENSITY FUELS Univ of Georgia	King Robert	N 36 13/03/95 \$378,583	BERMAN 95-NL-147	
MATRIX ISOLATION STUDY OF BORON IN SOLID HYDROGEN Hy-Tech Research Corp.	Spanjers Gregory	N 36 13/03/95 \$329,821	BERMAN 95-NL-148	
AUDITORY SPECTRO-TEMPORAL PATTERN ANALYSIS Univ of North Carolina	Hall Joseph	R 36 13/03/95 \$416,494	TANGNEY 95-NL-149	
MURI95 MATERIALS AND PROCESSING AT THE NANOMETER SCALE Univ of Maryland	Christou Aristos	N 60 14/03/95 \$484,645	LEE 95-NL-150	
MURI95 MATERIALS AND PROCESSING AT THE NANOMETER SCALE Univ of Southern California	Dalton Larry	N 60 14/03/95 \$931,049	LEE 95-NL-151	
MURI95 CENTER FOR NANOMETER-SCALE POLYMER FILMS AND DEPOSITION Univ of Cincinnati	Boerio F. James	N 60 14/03/95 \$4,653,228	LEE 95-NL-152	

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MURI95 SYNTHESIS AND SELF-ASSEMBLY OF OPTICAL AND ELECTRONIC NANOS TRUCTURED MATERIALS Univ of Chicago	Guyot-Sionnest Philippe	N 60 14/03/95 \$6,379,377	LEE 95-NL-153	
MURI95 NANOSCALE CHEMISTRY AND MOLECULAR MANIPULATION FOR THE SYNT HESIS OF INTEGRATED SEMICONDUCTOR/ORGANIC NANOSTRUCTURE ARRAYS Univ of Southern California	Anupam Madhukar	N 60 14/03/95 \$3,671,761	LEE 95-NL-154	
MURI95 MOLECULAR MATERIALS AT THE NANOMETER SCALE: FABRICATION, CH ARACTERIZATION, QUANTUM PHENOMENOLOGY AND DEVICES Northwestern University	Mark Ratner	N 60 14/03/95 \$7,710,903	LEE 95-NL-155	
MURI95 NANOSCALE DEVICES AND NOVEL ENGINEERED MATERIALS Univ of Florida	Stephen Pearson	N 60 14/03/95 \$6,652,575	DELONG 95-NL-156	
MURI95 NOVEL SYNTHESIS AND PROPERTIES OF NANOSTRUCTURED MATERIALS Johns Hopkins University	Joseph Katz	N 60 14/03/95 \$5,622,302	DELONG 95-NL-157	
MURI95 NANOSTRUCTURED MATERIALS FOR COMMUNICATIONS AND INFORMATION PROCESSING Univ of California, San Diego	Edward Yu	N 60 14/03/95 \$5,700,000	DELONG 95-NL-158	
MURI95 NANOMETER SIZE PARTICLE PRODUCTION BY SPARK EROSION FOR TEC HNOLOGICAL MATERIALS Univ of California, San Diego	Ami Berkowitz	N 60 14/03/95 \$5,639,238	DELONG 95-NL-159	
MURI95 TAILORED NANOSTRUCTURED FILMS FOR TRIBOLOGICAL AND CORROSIO N RESISTANCE Univ of Wisconsin	Carolyn Aita	N 60 14/03/95 \$4,882,833	DELONG 95-NL-160	
MURI95 SCIENCE AND TECHNOLOGY OF LAYERED NANOSTRUCTURES Northwestern University	William Sproul	N 60 14/03/95 \$6,916,593	DELONG 95-NL-161	

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NOVEL INORGANIC NF COMPOUNDS Fluorochem INC	Baum Kurt	N 36 15/03/95 \$425,784	BERMAN 95-NL-162	
SYNTHESES AND STRUCTURAL CHARACTERIZATION OF NEW LIGHT ELEMENTS, I MORGANIC OXIDIZERS, FUEL AND MONOPROPELLANTS McMaster University	Schrobilgen Gary	N 36 15/03/95 \$629,685	BERMAN 95-NL-163	
SYNTHESIS AND CHARACTERIZATION OF HIGH ENERGY ANIONS: STABILIZATION OF OXY, PEROXY, AND PSEUDOCALCOGENIDE ANALOGS OF NITRATE AND .. Univ of Wyoming	D. Scott Bohle	N 24 16/03/95 \$249,712	BERMAN 95-NL-164	
NEUTRON SCATTERING STUDIES OF HIGH ENERGY DENSITY MATERIALS Pennsylvania State University	Sokol Paul	N 36 21/03/95 \$338,004	BERMAN 95-NL-165	
SIMULATIONS OF MANY-BODY CHEMICAL DYNAMICS IN SOLIDS: PREDICTED ST ABILITIES OF HIGH ENERGY DENSITY MATERIALS North Carolina State University	Brenner Donald	N 36 21/03/95 \$261,907	BERMAN 95-NL-166	
ORGANIZATION OF THE 4TH CONFERENCE ON CURRENT TRENDS IN COMPUTATIONAL CHEMISTRY Jackson State University	Leszczynski Jerzy	N 12 22/03/95 \$5,000	BERMAN 95-NL-167	
PHOTONICS AND NONLINEAR OPTICS WITH MOLECULAR AND POLYMERIC MATERIALS ALS State University of New York	Prasad Paras	N 36 23/03/95 \$101,456	A LEE 95-NL-168	\$101,456 01/05/95 \$101,456
AN AASERT PROPOSAL FOR BASIC MATERIALS AND FABRICATION STUDIES AND ADVANCED POLYMER OPTO-ELECTRONICS Univ of Southern California	Steier William	N 36 23/03/95 \$132,435	A LEE 95-NL-169	\$132,435 15/05/95 \$132,435
QUANTUM DOT DEVICES AND OPTOELECTRONIC DEVICE CHARACTERIZATION Univ of Arizona	Pavghambarian Nasser	N 36 23/03/95 \$233,780	A LEE 95-NL-170	\$233,780 15/05/95 \$233,780

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INSTITUTION

POLYMER-BASED ELECTROOPTIC SWITCHING DEVICES FOR HIGH SPEED INTERC
ONNECTS
Univ of Texas at Austin

INVESTIGATOR

Chen Ray

AN AASERT PROPOSAL FOR THE DEVELOPMENT OF ADVANCES POLYMERIC E-O M
ODULATORS
Univ of Southern California

Dalton

Larry

NEW QUANTUM DOT WAVEGUIDES FOR NONLINEAR OPTICAL APPLICATIONS

Univ of California, Los Angeles

Mackenzie

J.D.

NEURONS, NETWORKS, AND MOTOR BEHAVIOR

Washington University

Stein

Paul S.G.

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N 36 23/03/95 \$96,330	A LEE 95-NL-171	\$96,330 15/05/95 \$96,330
N 36 24/03/95 \$135,000	A LEE 95-NL-172	\$135,000 15/05/95 \$135,000
N 36 24/03/95 \$96,000	A LEE 95-NL-173	\$96,000 15/05/95 \$96,000
N 06 28/03/95 \$10,000	TANGMEY 95-NL-174	

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COMPUTATIONAL ALGORITHMS FOR AERODYNAMIC ANALYSIS & DESIGN & MULTIDISCIPLINARY OPTIMIZATION Princeton University	Jameson Antony	N 36 03/01/95 \$507,898	A JACOBS 95-NM-142	\$168,023 01/04/95 \$507,897
FAST (PARALLEL) ALGORITHMS FOR SPHERICAL TRANSFORMS & MANY-BODY INTERACTIONS WITH APPLICATIONS IN ELECTROSTATICS, IMAGE PROC & CHEM Harvard University	Johnsson S. Lennart	N 36 03/01/95 \$485,500	A SCHRECK 95-NM-143	\$100,000 01/06/95 \$315,250
HIGH RESOLUTION MOLECULAR SPECTROSCOPY OF ATMOSPHERIC SPECIES North Carolina Central University	Dutta J. M.	N 24 04/01/95 \$94,000	A KROLL 95-NM-144	\$94,000 01/03/95 \$94,000
MURI94/MODELING & CONTROL OF ADVANCED CHEMICAL VAPOR DESPOSITION PROCESSES/CONTROL OF DEFECT IN MIXED III-V COMPOUND HETEROSTRUCTURES North Carolina State University	Banks H. Thomas	N 60 10/01/95 \$5,000,000	A JACOBS 95-NM-145	\$1,000,000 01/04/95 \$5,000,000
MURI94/INTEGRATED INTELLIGENT MODELING, DESIGN & CONTROL OF CRYSTAL GROWTH PROCESSES State University of New York	Prasad Vishwanath	N 60 10/01/95 \$6,685,763	A JACOBS 95-NM-146	\$1,000,000 01/05/95 \$5,000,000
MURI94/INTELLIGENT ELECTRONICS MANUFACTURING: MODELING & CONTROL OF PLASMA PROCESSING Univ of Michigan	Khargonekar Prasad	N 60 10/01/95 \$6,517,562	JACOBS 95-NM-147	
MURI94/MULTIVARIABLE CONTROL/SIMULATION/ORGANIZATION & SIGNAL PROCESSING FOR THE MULTIGRAPHIC PROCESS Stanford University	Kailath Thomas	N 60 10/01/95 \$2,104,341	JACOBS 95-NM-148	
FEATURE-ORIENTED IMAGE RECONSTRUCTION & AERO-OPTIC METROLOGY IN TURBULENCE Cognitech Inc	Osher Stanley	N 30 17/01/95 \$624,994	A NACHMAN 95-NM-149	\$124,999 01/04/95 \$174,995
INTELLIGENT DATABASES FOR NONDESTRUCTIVE EVALUATION OF CORROSION DAMAGE IN AIRCRAFT Dartmouth College	Cybenko George	N 36 20/01/95 \$599,756	A LUGINBUHL 95-NM-150	\$242,537 01/04/95 \$599,756

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SOLAR SEMIDIURNAL TIDES IN THE TROPOSPHERE				
Battelle Pacific Northwest Laboratories	Whiteman	N 36 24/01/95 \$547,999	KROLL 95-NM-151	
MAGNETOSPHERIC MORPHOLOGY & DYNAMICS: SPECIFICATION OF THE NEAR-EARTH OPERATIONAL ENVIRONMENT	Meng	R 36 24/01/95 \$681,700	RADOSKI 95-NM-152	
Johns Hopkins University	Ching			
COMBINED OPTICAL AND MICROWAVE EARTH AND ATMOSPHERE SENSING				
Georgia Institute of Tech	Gasiowski	N 03 25/01/95 \$5,000	A KROLL 95-NM-153	\$5,000 01/04/95 \$5,000
DUAL-USE SMART ANTENNA PROCESSING: BLIND ADAPTIVE BEAMFORMING, GPS AND VIECTOR SENSORS				
Purdue Research Foundation	Zoltowski	N 36 26/01/95 \$162,821	A SJOGREN 95-NM-154	\$17,875 01/05/95 \$162,821
PHASE RETRIEVAL PROBLEMS IN INVERSE SCATTERING				
Iowa State University	Sacks	N 24 31/01/95 \$54,695	NACHMAN 95-NM-155	
MULTIDIMENSIONAL PROBLEMS IN DYNAMIC PLASTICITY				
North Carolina State University	Shearer	N 60 31/01/95 \$402,494	NACHMAN 95-NM-156	
HIGH RESOLUTION 3D SIMULATION FOR SURFACTANT ENHANCED AQUIFER REMEDIATION				
Duke University	Trangenstein	N 36 31/01/95 \$804,232	JACOBS 95-NM-157	
TRANSMITTER/RECEIVER DESIGN FOR MULTIPATH COMMUNICATION CHANNELS				
Univ of Virginia	Giannakis	N 24 31/01/95 \$197,457	D SJOGREN 95-NM-158	
A COMPUTATIONAL AND PSYCHOPHYSICAL STUDY OF SHAPE FOR 3-D OBJECT RECOGNITION				
Univ of Southern California	Biederman	N 36 02/02/95 \$417,879	WAKSMAN 95-NM-159	

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ALGEBRAIC GEOMETRY AND COMPUTATIONAL ALGEBRAIC GEOMETRY FOR IMAGE DATABASE INDEXING, IMAGE RECOGNITION, AND COMPUTER VISION Texas A and M Research Foundation	Stiller	N 36 02/02/95 \$421,108	WAKSMAN 95-NM-160	
INVESTIGATION OF THE RELATIONSHIP BETWEEN GROUND ELECTRIC FIELD, STORM STRUCTURE AND GROUND LIGHTNING ACTIVITY National Oceanic Atmosphere Admin	Mazur	N 12 02/02/95 \$40,000	A KROLL 95-NM-161	\$30,000 01/04/95 \$30,000
PROGRAMMING WITH PROBABILITIES IN P(C) Heuristic Research Inc	Buntine	N 12 06/02/95 \$60,000	WAKSMAN 95-NM-162	
NEURO-GENETIC SEARCH ALGORITHM FOR LOGIC SYNTHESIS SCHEDULING Univ of Toledo	Serden	N 36 06/02/95 \$174,606	GLASSMAN 95-NM-163	
INPUT-OUTPUT METHODS IN NONLINEAR CONTROL: APPLICATION TO SYSTEMS WITH SATURATION Univ of Minnesota	Teel	N 36 06/02/95 \$290,493	JACOBS 95-NM-164	
A NEW PARALLEL OPTIMIZATION APPROACH TO SCHEDULING APPLICATIONS Illinois Institute of Technology	Ramesh	N 36 07/02/95 \$239,763	GLASSMAN 95-NM-165	
RAPID THERMAL PROCESSING OF SEMICONDUCTORS AT HIGH VAPOR DENSITIES North Carolina State University	Banks	R 12 07/02/95 \$349,703	A JACOBS 95-NM-166	\$349,703 15/05/95 \$349,703
VECTOR VALUED MALVAR WAVELIES Air Force Institute of Technology	Suter	N 12 09/02/95 \$5,152	A SJOGREN 95-NM-167	\$1,293 01/02/95 \$5,152
FERRITE PATCH ANTENNAS Electro Magnetic Applications Inc	How	N 36 09/02/95 \$319,309	NACHMAN 95-NM-168	

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JOINT RESEARCH ON COMPUTATIONAL FLUID DYNAMICS AND FLUID FLOW CONTROL Univ of California, Los Angeles	Gibson	N 36 09/02/95 \$873,688	JACOBS 95-NM-169	
COMBINATORIAL PROPERTIES AND OPTIMAL DESIGNS OF MULTICAST NETWORKS Univ of Vermont	Yang	N 36 15/02/95 \$104,817	GLASSMAN 95-NM-170	
PROCESS DESIGN, ANALYSIS AND SIMULATION FOR ALUMINUM EXTRUSION TECHNOLOGY Stanford University	Hughes	N 36 15/02/95 \$667,090	GLASSMAN 95-NM-171	
FAST MULTIPOLE METHODS FOR ELECTROMAGNETIC CIRCUIT COMPUTATIONS Fast Mathematical Algorithms & Hrdwr Crp	Rokhlin	N 36 22/02/95 \$836,752	NACHMAN 95-NM-172	
FAST METHODS FOR ELECTROMAGNETIC MODELING Hughes Research Laboratories	Wandzura	N 24 22/02/95 \$2,164,788	NACHMAN 95-NM-173	
AN ENVIRONMENT FOR THE RAPID PROTOTYPING AND DEVELOPMENT OF NUMERICAL PROGRAMS AND LIBRARIES FOR SCIENTIFIC COMPUTATION Univ of Illinois	Padua	N 36 28/02/95 \$404,952	LUGINBUHL 95-NM-174	
AUTOMATED FINITE ELEMENT MODELING PROCEDURES FOR METAL FORMING SIMULATIONS Rensselaer Polytechnic Institute	Shephard	N 36 03/03/95 \$296,909	GLASSMAN 95-NM-175	
MATHEMATICAL PREDICTION OF THE PHYSICAL PROPERTIES OF MATERIALS AND MEDIA California Institute of Technology	Bruno	N 36 03/03/95 \$283,303	NACHMAN 95-NM-176	
COMPUTING SCIENCE AND STATISTICS: SYMPOSIUM ON THE INTERFACE: THEME: STATISTICS AND MANUFACTURING Interface Foundation of North America	Meyer	N 03 03/03/95 \$56,500	SJOGREN 95-NM-177	

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ANALYSIS, DESIGN, AND COMPUTATION OF ACTIVE MATERIALS Univ of Minnesota	Luskin Mitchell	N 36 03/03/95 \$401,501	NACHMAN 95-NM-178	
CENTER FOR PARALLEL OPTIMIZATION Univ of Wisconsin	Mangasarian Olvi	R 36 03/03/95 \$358,301	GLASSMAN 95-NM-179	
SYNCHRONIZATION AND CONTROL OF COUPLED LASER SYSTEMS Georgia Tech Research Corporation	Kennedy R.A. Brian	M 36 03/03/95 \$305,401	NACHMAN 95-NM-180	
L1-BAND RECEIVERS: DESIGN, SIMULATION, AND IMPLEMENTATION Ohio University	Braasch Michael	N 12 08/03/95 \$50,000	A SJOEGREN 95-NM-181	\$50,000 01/09/95 \$50,000
MURI95 - BACK TO THE FUTURE WITH COMPUTATIONAL ELECTROMAGNETICS: EM INTERACTIONS WITH ADVANCED MATERIALS AND STRUCTURES Univ of Arizona	Ziolkowski Richard	M 36 13/03/95 \$7,560,226	NACHMAN 95-NM-182	
MURI95 - ADVANCED METHODS IN COMPUTATIONAL ELECTROMAGNETICS Univ of Texas at Austin	Oden J. Tinsley	N 36 13/03/95 \$6,983,961	NACHMAN 95-NM-183	
MURI95 - ELECTROMAGNETIC INTERACTIONS WITH ELECTRICALLY LARGE STRUCTURES Auburn University	Rao Sadasiva	N 36 13/03/95 \$4,424,420	NACHMAN 95-NM-184	
MURI95 - MATHEMATICAL & NUMERICAL METHODS FOR ANALYSIS & DESIGN OF ELECTROMAGNETIC FIELDS Univ of Delaware	Kleinman Ralph	N 36 13/03/95 \$7,124,298	NACHMAN 95-NM-185	
MURI95 - FAST TECHNIQUES FOR ANALYZING VERY WIDEBAND ELECTROMAG- NETIC INTERACTIONS IN COMPLICATED THREE DIMENSIONAL STRUCTURES Massachusetts Institute of Technology	White Jacob	N 36 13/03/95 \$5,203,118	NACHMAN 95-NM-186	

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MURI95 - ALGORITHMS FOR LARGE ELECTROMAGNETIC SIMULATIONS OF COMPLEX STRUCTURES INCLUDING TIME-VARYING SYSTEMS & NONLINEAR SYS Univ of Colorado	Dunn John	N 36 13/03/95 \$5,544,741	NACHMAN 95-NM-187	
MURI95 - CENTER FOR COMPUTATIONAL ELECTROMAGNETICS OF COMPLEX STRUCTURES Univ of Illinois	Chen Heng	N 36 13/03/95 \$7,590,638	NACHMAN 95-NM-188	
MURI95 - DEVELOPMENT OF COMPUTATIONAL ELECTROMAGNETICS FOR SOLVING SCATTERING, RADIATION & ELECTROMAGNETIC ENVIRONMENTAL PROBLEMS Wichita State University	Agarwal Ramesh	N 36 13/03/95 \$4,854,397	NACHMAN 95-NM-189	
MURI95 - ELECTROMAGNETIC CODE DEVELOPMENT PROGRAM Ohio State Univ Research Foundation	Burnside Walter	N 36 13/03/95 \$7,455,778	NACHMAN 95-NM-190	
MURI95 - HIGH PERFORMANCE, MULTI-APPLICATION COMPUTATIONAL ELECTROMAGNETICS MODELING AND SIMULATION Northeastern University	Rappaport Carey	N 36 13/03/95 \$2,372,558	NACHMAN 95-NM-191	
MURI95 - CENTER FOR COMPUTATIONAL MAGNETICS Univ of Michigan	Volakis John	N 36 13/03/95 \$6,076,900	NACHMAN 95-NM-192	
MURI95 - RESEARCH IN COMPUTATIONAL ELECTROMAGNETICS: ANALYSIS, INNOVATIVE METHODS, A SUITE OF FUNCTIONAL CODES Clemson University	Butler Chalmers	N 36 13/03/95 \$7,751,353	NACHMAN 95-NM-193	
MURI95 - IMAGE FEATURES FOR ATR: REDUCED SIGNATURE TARGET RECOGNITION N.Y. U. Courant Institute Math Science	Hummel Robert	N 36 14/03/95 \$5,251,451	SJOGREN 95-NM-194	
MURI95 - DESIGN AND EVALUATION OF A PROTOTYPE MULTI-SENSOR TARGET DETECTION AND RECOGNITION SYSTEM Univ of Massachusetts	Riseman Edward	N 36 14/03/95 \$8,022,874	SJOGREN 95-NM-195	

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MURI95 - A COMPREHENSIVE AND INTEGRATED APPROACH TO REDUCED SIGNATURE TARGET RECOGNITION Boston University	Castanon	N 36 14/03/95 \$9,465,298	SJ06REN 95-NM-196	
MURI95 - MULTISCALE, MULTISENSOR, REAL-TIME SYSTEMS FOR REDUCED SIGNATURE TARGET RECOGNITION Univ of Maryland	Chellappa	N 36 14/03/95 \$5,550,000	SJ06REN 95-NM-197	
MURI95 - OPPORTUNISTIC VISION/SENSING SYSTEMS FOR AUTOMATIC TARGET RECOGNITION Univ of Illinois	Huang	N 36 14/03/95 \$8,375,781	SJ06REN 95-NM-198	
MURI95 - REDUCED SIGNATURE TARGET RECOGNITION USING PETRI NETS AND INVARIANTS Univ of Cincinnati	Hall	N 36 14/03/95 \$1,347,922	SJ06REN 95-NM-199	
MURI95 - REDUCED SIGNATURE TARGET RECOGNITION Worcester Polytechnic Institute	Cyganski	N 36 14/03/95 \$3,176,453	SJ06REN 95-NM-200	
MURI95 - REDUCED SIGNATURE TARGET RECOGNITION BY EIGENVALUE ANALYSIS OF RANGE-AZIMUTH LADAR DATA Illinois Institute of Technology	Stark	N 36 14/03/95 \$1,355,658	SJ06REN 95-NM-201	
MURI95 - REDUCED SIGNATURE TARGET RECOGNITION Syracuse University	Varshney	N 36 14/03/95 \$7,113,446	SJ06REN 95-NM-202	
MURI95 - REDUCED SIGNAL TARGET RECOGNITION THEORY FOR MILITARY AND COMMERCIAL APPLICATIONS Texas Engineering Experiment Station	Kurdila	N 36 14/03/95 \$2,129,570	SJ06REN 95-NM-203	
MULTISTRATEGY LEARNING FOR COMPUTER VISION Univ of California, Riverside	Bhanu	N 30 23/03/95 \$670,864	A WAKSMAN 95-NM-204	\$200,000 01/07/95 \$670,864

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OBJECT DESCRIPTION AND RECOGNITION IN COMPLEX ENVIRONMENTS Univ of Southern California	Nevatia	N 24 28/03/95 \$1,069,022	A WAKSMAN 95-NM-205	\$420,000 01/07/95 \$1,069,022
MACHINE VISION THROUGH MACHINE LEARNING George Mason University	Michalski	N 24 29/03/95 \$388,046	A WAKSMAN 95-NM-206	\$208,046 01/07/95 \$388,046
ANALYSIS, DESIGN AND COMPUTATION OF ACTIVE MATERIALS Carnegie-Mellon University	Kinderlehrer	N 36 29/03/95 \$198,213	NACHMAN 95-NM-207	
IMPACT OF DATA LOSS ON PREDICTABILITY National Center for Atmospheric Research	Kuo	N 36 29/03/95 \$329,140	KROLL 95-NM-208	
NEW METHODS FOR FINDING VALUES OF THE JUMPS OF A FUNCTION FROM ITS LOCAL TOMOGRAPHIC DATA Kansas State University	Ramm	N 36 29/03/95 \$182,177	SJOGREN 95-NM-209	
MATHEMATICAL MODELS IN CRACKS DETECTION Wichita State University	Isakov	N 24 29/03/95 \$106,821	NACHMAN 95-NM-210	
FAULT-TOLERANCE AND REAL-TIME ISSUES IN HETEROGENEOUS DISTRIBUTED SYSTEMS AND EMBEDDED SYSTEMS Princeton University	Jha	N 36 30/03/95 \$213,164	LUGINBUHL 95-NM-211	
NEW MODELS AND FAST ALGORITHMS FOR NATURAL AND URBAN CLUTTER WITH APPLICATIONS TO ATD Brown University	Cooper	N 18 30/03/95 \$119,500	SJOGREN 95-NM-212	
REFINED THEORY FOR THICK COMPOSITE PLATE AND SHELL FINITE ELEMENTS Wayne State University	Sutyryn	N 36 30/03/95 \$308,107	NACHMAN 95-NM-213	

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THE CONTROL AND DYNAMICS OF OPTICAL SOLITON SYSTEMS AND SEMICONDUCTOR LASERS Northwestern University	Kath William	N 36 30/03/95 \$497,415	NACHMAN 95-NM-214	
MULTIDIMENSIONAL PROBLEMS IN DYNAMIC PLASTICITY Duke University	Schaeffer David	N 60 30/03/95 \$1,363,715	NACHMAN 95-NM-215	
PERTURBATION PROBLEMS IN FLUID DYNAMICS N.Y. U. Courant Institute Math Science	Ting Lu	N 36 30/03/95 \$265,890	NACHMAN 95-NM-216	
VERY HIGH DIMENSIONALITY AUTOMATIC PROGRAMMING STUDY Martin Marietta Electronics & Missiles G	Stirman Charles	N 36 30/03/95 \$6,756,906	NACHMAN 95-NM-217	