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Radiative Processes and Dephasing in Semiconductors

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Abstract

A workshop was held in Coeur d'Alene, Idaho, 2-4 February 1998 as an Optical Society of America Topical Meeting. The research areas covered by the workshop roughly fell under the heading of ultrafast and coherent nonlinear optical properties of semiconductors; nevertheless, a number of speakers from other fields presented papers at the conference in order to stimulate cross-disciplinary discussion. Approximately thirty papers were presented, and a proceedings was published by the Optical Society of America as a volume in their Trends in Optics and Photonics series. AFOSR funds supported the travel and local expenses of eight invited speakers.

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The Optical Society of America (OSA) Topical Meeting "Radiative Processes and Dephasing in Semiconductors" was held 2-4 February 1998 in Coeur d'Alene, Idaho. The meeting was chaired by the PI Prof. David S. Citrin of the Department of Physics at Washington State University. The main topics of the meeting were ultrafast and coherent nonlinear optical phenomena in semiconductors. In addition, far-infrared phenomena were highlighted. The meeting also included several speakers from related areas, such as quantum computing and laser cooling. This was done to promote cross-disciplinary discussion.

Thirty talks were presented, eight of which were invited speakers whose partial travel and local expenses were supported by this grant. Those supported were

Prof. David Awschalom, UC-Santa Barbara, \$ 400.00

Dr. Maxine Ben Dahan, Ecole Polytechnique, France, \$ 200.00

Dr. David DiVincenzo, IBM, \$ 400.00

Dr. Daniel Gammon, Naval Research Laboratory, \$ 400.00

Prof. Shaul Mukamel, University of Rochester, \$ 400.00

Prof. Ilias E. Perakis, Vanderbilt University, \$ 563.05

Dr. Taco Portengen, UC-San Diego, \$ 465.48

Prof. X.-C. Zhang, Renssaeler Polytechnique Institute, \$ 865.75

for a total of \$ 3694.28. The amount of \$ 1305.72 was unspent, and returned to AFOSR.

A proceedings of the meeting was published as volume XVIII of the Trends in Optics and Photonics (TOPS) series by the OSA; a copy is attached to the report. This volume was edited by the PI.