

Michal I. Freedhoff Appointed OSA/MRS Congressional Fellow for 1996–97

Michal I. Freedhoff, a researcher/writer for the American Institute of Physics in Washington, DC, has been named 1996–1997 OSA/MRS Congressional Science and Engineering Fellow. As a recipient of this one-year appointment sponsored jointly by the Optical Society of America and the Materials Research Society, Freedhoff will work directly for a member of Congress or on a Congressional committee as a consultant on scientific and technical matters.

The OSA/MRS congressional fellowship was established in 1995 to open avenues of communication between scientists and federal legislators. "The current political climate of budget cutting and balancing is pushing scientists to become more articulate about their own research issues and more knowledgeable about how these issues relate to government programs and policies," said MRS president Carl Thompson, Massachusetts Institute of Technology. "The congressional fellowship



Michal I. Freedhoff

is one mechanism through which MRS and OSA can promote this critical exchange of information among members of the scientific community and the federal government." Michal Freedhoff's scientific background, said Thompson, will be valuable to Capitol Hill decision makers who are trying to set priorities for the future of research and development.

According to OSA president Duncan Moore, University of Rochester, Freedhoff possesses a rare combination of excellence in research and involvement in science policy that sets her apart from her peers. "Michal has established a reputation not only as a first-rate scientist, but also as a charismatic leader and skilled organizer," said Moore. "She has already embarked on a promising career in the field of science policy."

A chemistry graduate of McGill University (Montreal, Canada), Freedhoff received her MS and PhD degrees in physical chemistry from the University of Rochester (Rochester, New York). Her doc-

toral thesis work with Princeton University professor George McLendon on quantum confinement effects in semiconductor nanocrystals has attracted international attention. Performed at Eastman Kodak Company, this research has resulted in several invited articles and a NATO tutorship.

Freedhoff has been involved in both policy and public outreach endeavors throughout her education and early career. While at the University of Rochester, she served on recruitment and curriculum committees, spearheaded a project to ship used laboratory equipment to an impoverished university in the Philippines, and organized "science days" for local disadvantaged middle school students. Her contributions to the Materials Research Society range from serving as president of the MRS University of Rochester student chapter, to organizing symposia and workshops, to advising on society policy on membership, academic affairs, and career services through appointments to task forces and committees.

In her current role as a researcher/writer with the American Institute of Physics, Freedhoff researches the initial funding sources of significant physics discoveries that have resulted in quantifiable benefits to society. Her written reports on these results are targeted to Congress. This work forms a natural bridge between her academic pursuits and her upcoming assignment as OSA/MRS Congressional Fellow. Describing her aspirations for this post, Freedhoff said, "I hope to gain perspective on the nontechnical factors affecting science and technology policy decisions, particularly economic and constituent issues. And, by participating directly in the legislative process, I hope also to help policymakers better understand the needs and concerns of the scientific community." MRS

Advanced Chemicals & Materials Processing

- Electronic Grade Red Phosphorus
- InP polycrystalline charge, single crystals, wafers
- GaN powder & submillimeter size single crystals
- Bulk growth of III-V compound crystals with custom doping & orientation

- R&D Consulting Services for the Electronics Materials Industry
- Outsource and/or subcontract R&D and manufacturing services
- Materials Purification
- Custom Single Crystals
- Custom Equipment Design

Visit Our Booth at the Fall MRS
Exhibition in Boston, Dec 3-5, 1996

Parke Mathematical Laboratories
450 Chelmsford Street
Lowell, MA 01851
(508) 934-0854 FAX (508) 934-0731
E-mail: pml@parkemath.com
Web Site: <http://www.parkemath.com>

Circle No. 10 on Reader Service Card.

Visit MRS Exhibit
Booth No. W24

Materials Research Society and Optical Society of America Seek Applicants for the 1997–1998 MRS/OSA CONGRESSIONAL SCIENCE AND ENGINEERING FELLOWSHIP PROGRAM

Deadline: January 15, 1997

Qualifications: PhD degree or equivalent with a record of success in research or scholarship. Also requires a strong interest in science and technology policy. Candidates must have excellent command of English, knowledge of U.S. government, and are expected to be regular members in good standing of OSA and/or MRS.

Stipend: Up to \$45,000

How to Apply: Candidates should send a letter of intent to the address below which describes their technical and public service experience, reason for applying, a resume and list of publications. Each candidate should also request three letters of recommendation. The recommendation letters should be sent directly to the address below. Recommendations should emphasize the candidate's scientific and engineering credentials, education, experience, and personal attributes that make the candidate particularly suited to serve as a Congressional Fellow.

Send all materials to **MRS/OSA Congressional Science and Engineering Fellow Program**
c/o OSA, 2010 Massachusetts Ave., NW, Washington, DC 20036

For further information contact Gail Oare at 412-367-3004 ext.501 or e-mail oare@mrs.org.