


You are cordially invited to attend



Harnessing Light for America

Optics & Photonics for Medicine & More

Thursday, October 7, 2004, 12:00 noon – 1:30 pm
2168 Rayburn House Office Building ■ Washington, DC

With applications in medicine, defense, telecommunications, manufacturing, and more, the science and technology of light underpin many of the devices and techniques that are used every day to benefit our nation – including **night vision, CD players, fiber optics, and laser eye surgery**. Research and development in optics and photonics, which involve fields such as physics, electrical engineering, chemistry, and materials science, have led to advances in the manipulation of photons, and the significance of the role of light is expected to increase in the 21st century, with areas like homeland security anticipated to benefit. This luncheon briefing will present a sampling of the many applications of optics and photonics with a special emphasis on the benefits of light for medicine. An infrared video camera will be demonstrated, enabling attendees to see the invisible ld of heat.

Welcome

Duncan T. Moore
University of Rochester

Opening Remarks and Introductions

The Hon. Judy Biggert (R-IL)

Co-Chair, Research and Development Caucus
U.S. House of Representatives

The Hon. Rush Holt (D-NJ)

Co-Chair, Research and Development Caucus
U.S. House of Representatives

Speakers

“Envisioning the Light Fantastic”

Kristina M. Johnson, Ph.D.

Professor and Dean
Pratt School of Engineering, Duke University

“How Photonics is helping Physicians”

Thomas M. Baer, Ph.D.

Chairman, President, and Chief Executive Officer
Arcturus Bioscience, Inc.

Please Register Now! *There is no charge for this event, but space is limited. Lunch will be served.*

Name: _____

Title: _____

Affiliation: _____

Tel: _____

Email: _____

Information/RSVP – Brendan Plapp

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Cosponsored by the Optical Society of America (OSA) and SPIE—The International Society for Optical Engineering, in conjunction with the Congressional Research and Development Caucus. The website of the Advisory Committee for the Congressional R&D Caucus is www.researchcaucus.org