

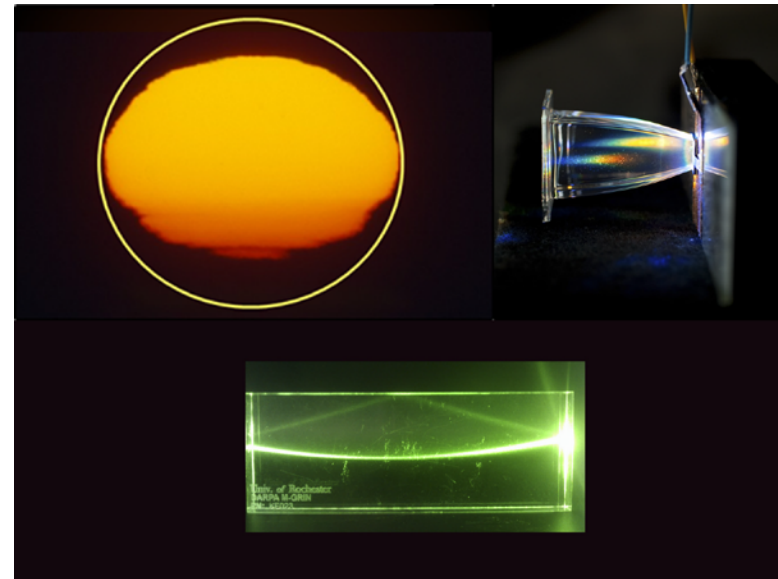
Gradient-Index Optics and Concentrating Photovoltaics



Duncan T. Moore

Rudolf and Hilda Kingslake Professor of Optical Engineering
Vice Provost for Center for Entrepreneurship
University of Rochester

The talk will discuss DARPA sponsored work that my group is carrying out in manufacturable gradient-index optics and the optics of concentrating photovoltaic systems using spectral splitting and light guides.



3:20 pm Monday, November 7, 2011
Sloan Auditorium, Goergen 101
Refreshments served

Joint with Optics Industrial Associates Program

Gradient-Index Optics and Concentrating Photovoltaics

Duncan T. Moore, Ph.D.

Rudolf and Hilda Kingslake Professor of Optical Engineering

Vice Provost for Center for Entrepreneurship

University of Rochester

Abstract: I have restarted my research group around these two separate themes. I will discuss the work we have been doing as part of the DARPA sponsored Manufacturable Gradient-Index (MGRIN) program. Six years ago we began work on the optics of concentrating photovoltaic (CPV) under the Very High Efficiency Solar Cell (VHESC) DARPA sponsored program. I will discuss the work on spectral splitting and light guide (CPV) systems.

Biography: Duncan Moore was appointed Vice Provost for Entrepreneurship at the University in 2007. In this role, he oversees the Center for Entrepreneurship and managed the Kauffman Campus Initiative (\$10.6M over 5 years). Dr. Moore is also the Rudolf and Hilda Kingslake Professor of Optical Engineering, Professor of Biomedical Engineering, and Professor of Business Administration at the University of Rochester. From 2002 until 2004, he served as the President and Chief Executive Officer of the Infotonics Technology Center. From 1995 to 1997, Dr. Moore was Dean of Engineering and Applied Sciences at the University. From 1997 until 2000 he served as Associate Director for Technology, White House Office of Science and Technology Policy, Executive Office of the President.

Dr. Moore holds master's and Ph.D. degrees in optics from the University of Rochester, and a bachelor's degree in physics from the University of Maine. He enjoys golf, reading, travel (his favorite destination being Maine), and is an avid amateur photographer. He has a natural love for animals, especially his dog Saco. He serves on the Board of Trustees at the Rochester Museum and Science Center.