



Women In Optics



Women in Optics Presentation and Reception

Advances in Novel Optical Materials: Function Drives Form

Dr. Kathleen Richardson

Tuesday 22 January 4:30 pm - 6:00 pm

California Room, Fairmont Hotel

Please join us for an evening of networking and inspiration. Connect with others in our industry while enjoying wine and cheese refreshments.
Open to all conference attendees.

[Dr. Kathleen Richardson](#) is currently Professor and Director, of the [School of Materials Science and Engineering](#) at [Clemson University](#), Clemson, SC. She joined the Clemson team in January 2005, following her previous post as Associate Professor of Optics, Chemistry and Mechanical, Materials and Aerospace Engineering at the University of Central Florida's, [CREOL/FPCE, College of Optics and Photonics](#), where she was for 12 years. Following a leave of absence at SCHOTT North America, Regional R&D in Duryea PA, where she served as manager of their Materials Development and Technologies groups since January 2002, Dr. Richardson returned to [UCF](#) to continue her research and academic training activities which include numerous domestic and international programs associated with undergraduate and graduate activities.

Dr. Richardson currently runs the Glass Processing and Characterization Laboratory (GPCL) within the [Center for Optical Materials Science Engineering and Technology \(COMSET\)](#) at Clemson where her team carries out synthesis and characterization of novel glass and glass ceramic materials for optical applications. Her research programs examine the role of structure/property relationships in a range of glass and ceramic media and in addition to supervising research programs in infrared glasses for use in integrated optics applications, her group also has industrial and government supported research programs evaluating materials for molded optics, the use of non-oxide glasses in chem-bio planar sensors, and in nano-composites for advanced detection applications. She has authored more than 85 refereed publications, proceedings and book chapters, and has organized and chaired numerous domestic and international meetings within her discipline.

[SPIE Women in Optics](#) promotes personal and professional growth for women through community building, networking opportunities and encouraging young women to choose optics as a career.

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