Paul Juodawlkis elevated to Fellow of the Optical Society

Massachusetts Institute of Technology
Dr. Paul W. Juodawlkis, assistant leader of the Electro-optical Materials and Devices Group at MIT Lincoln Laboratory, was elevated to the rank of Fellow of the Optical Society (OSA) last month. He was recognized for his "significant contributions to optically sampled analog-to-digital conversion and the development of the slab-coupled optical waveguide amplifier."

The Optical Society, originally called the Optical Society of America, was founded in 1916 to expand and disseminate knowledge of optics and to promote collaboration among investigators, designers and users of optical systems. This international association is the leading professional society of optics and photonics, and its membership of more than 18,000 includes optics and photonics scientists, engineers, educators and business leaders.

At Lincoln Laboratory, Juodawlkis's research and leadership efforts since 1999 have been focused on the development of optical sampling techniques for photonic analog-to-digital converters, quantum-well electrorefractive modulators, high-power waveguide photodiodes, and high-power semiconductor optical amplifiers and their application in mode-locked lasers and narrow-linewidth external-cavity lasers. From 1988 to 1993, he served as a radar systems engineer on a multisensor airborne test bed program in the Tactical Defense Systems Group at the Laboratory. Between 1993 and 1999, he was a member of the Ultrafast Optical Communications Laboratory at the Georgia Institute of Technology.

Juodawlkis has authored or co-authored more than 100 peer-reviewed journal and conference publications. A senior member of the Institute of Electrical and Electronics Engineers (IEEE), he is very active in the IEEE Photonics Society. He has served as chair of the IEEE Photonics Society Technical Committee on Microwave Photonics (2003–2006) and as a member of various technical committees for other Photonics Society conferences. Currently, he is completing a three-year term as an elected member of the IEEE Photonics Society’s Board of Governors and is a Technical Steering Committee member of the Society’s Boston Chapter.

Juodawlkis served as general co-chair of the 2012 Conference on Lasers and Electro-Optics (CLEO) and as program co-chair of the 2010 CLEO. At the plenary session of this year's CLEO in June, he will be recognized as a 2013 Fellow. He holds a BS degree from Michigan Technological University, an MS degree from Purdue University, and a PhD degree from the Georgia Institute of Technology, all in electrical engineering.

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