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An overview of solid state laser development at ARL

Dr. Mark Dubinskiy

Advanced Solid State Laser Group, AFRL, USA

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Sala Andromeda, Via P. Boggio, 61, - 10138 Torino

Presentation will provide a brief overview of spectroscopic and laser technical achievements by the ARL laser scientists (Advanced Solid State Laser Group), with special focus on the latest achievements of major technical importance. The research of the group is heavily based on advances in laser materials development around the world. The emphasis will be made on the required kinds of materials and their properties with some examples of the most impressive laser demonstrations.

For further information: info.photonext@polito.it

Dr. Mark Dubinskiy has over 30 years of experience in advanced laser development and nonlinear materials research. He graduated from Kazan State University, Kazan, Soviet Union, where he gained a PhD in Physics and Math. In the USA since 1994, where he continued working on solid-state laser development in industry, academia and Government (e.g., AFRL/WPAFB, ARL). He has authored over 210 papers, presentations and book chapters. He has served as a Program Committee Member, Conference Chair and Co-Chair for a great number of international conferences held around the world. Since 2002 Dr. Dubinskiy is a Physicist and a Team Leader with the US Army Research Laboratory, where he continues to develop new laser concepts, architectures and advanced laser components for highly efficient high energy solid-state lasers and a variety of advanced solid-state tactical lasers. For his contributions in laser technology development at ARL he has been honored with the 2007 ARL Honorary Award in Science, the 2008 and 2010 U.S. Army Research and Development Achievement Awards. Dr. Dubinskiy is a Fellow of the Optical Society of America, SPIE Fellow and a member of the Directed Energy Professional Society. He served as an Associate Editor for Optics Express journal (2006-2011), and is an Editorial Board Member for the International Laser Physics Letters journal. He is also a Distinguished Member of the ARL Technical Staff - ARL Fellow, and a Member of the ARL Senior Technical Council.

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