



Dimitra Simeonidou is the Head of the High Performance Networks Group, which includes the Photonics Networks Laboratory and the newly established Network Media Laboratory, at the University of Essex, UK. She joined Essex in 1998 (previously with Alcatel Submarine Networks). While at Alcatel, she held the post of Senior Principal Engineer and contributed to the introduction of WDM in long-haul submarine links and pioneered the

design and deployment of optical add-drop multiplexers. At Essex, she is leading a group of 30 researchers and Ph.D. students and she is involved in numerous national and international research projects. Her research is focused in the fields of optical networks, grid and cloud computing, and the future Internet. She is author and co-author of over 350 papers, 11 patents, and several standardization documents.



Mike J. O'Mahony was Head of Section at British Telecom Research Labs, in the period 1980–1991, responsible for research into terrestrial long-haul optical systems and networks. Areas of research included optical amplifiers, coherent optics, picosecond pulse systems and optical networks. In 1991 he joined the Department of Electronic Systems Engineering at the University of Essex as Professor of Optical Communication Networks.

He was Head of Department from 1996 to 1999. Currently he is Emeritus Professor associated with the High Performance Networking Group within the School of Computer Science & Electronic Engineering. His principal interests concern the study of the network infrastructures and optical technologies needed to support high performance networking.

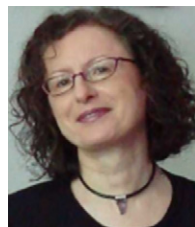
Professor O'Mahony is the author of over 250 papers relating to optical communications.



Slaviša Aleksić received his Dipl.-Ing. and Ph.D. degrees in electrical engineering from Vienna University of Technology, Austria, in 1999 and 2004, respectively. His current research interests include communication networks, photonic networks, energy efficiency in communication networks, high-speed optical and electrical signal processing systems, as well as high-speed media access control (MAC) protocol design and implementation. He is

author or co-author of more than 70 scientific publications, including book chapters, papers in peer-reviewed scientific journals, and contributions to internationally recognized conferences. He has

experience in both research and industrial fields through successfully managing and conducting many projects related to communication networks, including two projects funded by the Austrian Science Fund (FWF) and a number of projects in collaboration with several Austrian and European academic institutions and companies. Dr. Aleksić is a member of the Institute of Electrical and Electronics Engineers (IEEE-USA), of the Austrian Electrotechnical Association (OVE-Austria), and of the Institute of Electronics, Information and Communication Engineers (IEICE-Japan). He has received several international awards, grants, and recognitions.



Lena Wosinska received her Ph.D. degree in photonics and Docent degree in optical networking from the Royal Institute of Technology KTH. She joined KTH in 1986, where she is currently an Associate Professor in the School of Information and Communication Technology (ICT), heading a research group in optical networking (NEGONET), and coordinating a number of national and international scientific projects. Her research interests include optical

network management, reliability and survivability of optical networks, photonics in switching, and fiber access networks. She has been involved in a number of professional activities including guest editorship of several special issues that appeared in the *OSA Journal of Optical Networking*. During 2007–2009 she was an Associate Editor of the *OSA Journal of Optical Networking*, and since April 2009 she has served on the Editorial Board of the *IEEE/OSA Journal of Optical Communications and Networking*.



Paolo Monti received a Laurea degree in electrical engineering (2001) from the Politecnico di Torino, Italy, and a Ph.D. in electrical engineering (2005) from the University of Texas at Dallas (UTD). From 2006 to 2008 he worked as a Research Associate of the Open Networking Advance Research (OpNeAR) Lab at UTD. He joined the Royal Institute of Technology (KTH) in September 2008, where he is currently an Assistant Professor in the

School of Information and Communication Technology (ICT/FMI) and a member of the Next Generation Optical Networks (NEGONET) group. He has co-authored more than 30 papers published in international journals and presented in leading international conferences. His research interests include network planning, protocol design, performance evaluation and optimization techniques for both optical and wireless networks.