List of publications of Professor Lena Wosinska

**Journal papers**


Conference papers

59. L. Wosinska,”Optical shift register – operation principles”, invited paper on Communications Workshop, FEORC, Virginia Polytechnic Institute and State University, Blacksburg, April 1-4, 1991


80. M. Held, L. Wosinska, Philipp M. Nellen and Christian Mauz, “Consideration of connection availability optimization in optical networks”, in Proc. 4th International Workshop on Design of Reliable Communication Networks, DRCN’03, Banff, Canada, October 2003


85. A. Muchanga, L. Wosinska, F. Orava, and J. Haralson, ” Inter-domain routing in optical Networks “,in Proc. of Optical Networks & Technology Conference OpNeTec’04, Pisa, Italy, October 2004

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86. A. Muchanga, L. Wosinska, and F. Orava, “Requirements for Inter-domain routing in optical Networks”, in Proc. IEEE/OSA Optical Fiber Communication/National Fiber Optic Engineers Conference OFC/NFOEC’05, Anaheim, CA, March 2005

87. L. Wosinska, “Buffering and control in all-optical packet switching nodes”, (Invited paper), in Proc. of IEEE International Conference on Transparent Optical Networks, IEEE ICTON’05, Barcelona, Spain, July 2005


90. F. Baroncelli, B. Martini, A. Muchanga, P. Castoldi, and L. Wosinska, “The Service Oriented Optical Network (SOON) Project”, in Proc. of IEEE International Conference on Transparent Optical Networks, ICTON/RONEXT’05, Barcelona, Spain, July 2005


94. L. Wosinska, “Connection Availability in WDM Mesh Networks with Multiple Failures”, (Invited paper), in Proc. of IEEE International Conference on Transparent Optical Networks/Reliability Issues in Optical Networks, ICTON/RONEXT’06, Nottingham, UK, June 2006


125. M. O’Mahony, C. Politi, L. Wosinska, A. Tzanakaki, J. Mitchell, P. Van Daele, “Key Technologies for Optical Networks”, ICO Photonics, Delphi, Greece, October 2009


Invited tutorials and seminars

210.“Reliability of optical networks and systems”, tutorial at 1st COST 270 workshop on Reliability of optical network, systems and components, December 12-14, 2001, Dübendorf, Switzerland

211.“A Photonic Packet Switch For High Capacity Optical Networks,” seminar at University of Texas at Dallas UTD, USA, September 2002

212.“Photonics in Switching”, tutorial at 16th International Traveling Summer School on Microwaves and Lightwaves ITSS, Warszawa, July 8 – 14, 2006

213.“Next-Generation Fiber Access Networks”, tutorial at workshop ISIS, Stockholm, June 2nd 2008

214.“Evolution of Fiber Access Networks: Cost and Reliability Tradeoff”, two seminars: at State Key Laboratory of Advanced Optical Communication Systems and Networks, Peking University and at Tsinghua University, Beijing, China, October 2008

215.“Next-Generation Fiber Access Network Architectures,” seminar at Shanghai Jiao Tong University STJU, October 2008

216.“Cost vs. reliability performance of fiber access networks”, seminar at University of California Davis, USA, March 2009

217.“Photonics in Switching: advances and challenges”, tutorial at Summer School of Network of Excellence BONE, Krakow, September 2009

218.“Introduction to Photonics in Switching”, tutorial at Summer School of Network of Excellence BONE and Common Master course, Budapest, September 2010

219.“Accounting for physical layer impairments in transparent WDM networks”, seminar at University of California UC Davis, USA, March 2010

220.“Green (Optical) Networks @ KTH”, seminar at University of Canterbury UC, Christchurch, New Zealand, Aug, 2012

221. “Optical networks for energy-efficient data centers,” seminar at University of California UC Davis, USA, March 2014

222.“Photonic Networks for the Future Internet: Challenges and Opportunities.” talk at DTU 2014 Summit Workshop on Photonics Technologies, Technical University of Denmark, Lyngby, June 19, 2014


Theses

Books and book chapters


Technical reports
240. L. Wosinska and M. Held, WG1 main results and contribution to COST270 final report, 2006

Patents