Biennial since 1998 Special Session on Teletraffic Models, Traffic Engineering and Network Optimization

Name and affiliation of organizers:

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Prof. I. Moscholios received the Dipl.-Eng. degree in Electrical & Computer Engineering from the University of Patras, Greece, in 1999, the M.Sc. degree in Spacecraft Technology & Satellite Communications from the University College London, UK, in 2000 and the Ph.D. degree in **Electrical & Computer Engineering** from the University of Patras, Greece, in 2005. He is currently a Professor in the Dept. of Informatics & Telecommun., Univ. of Peloponnese, Greece and the Dean of the Faculty of Economics and Technology. His research interests are in teletraffic engineering in NGN. He has published more than 235 papers in international journals and conferences.

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Dr. John S. Vardakas received the Dipl.-Eng. in Electrical Computer Engineering from the Democritus University of Thrace, Greece, in 2004 and his Ph.D from the Electrical **Computer Engineering Dept.**, University of Patras, Greece in 2012. He has authored more than 50 journal articles and 90 conference articles, while he has coordinated/coordinating four EU projects (ITN 5GSTEP-FWD, H2020 MARSAL, MSCA EMPOWER-6G, MSCA NEWTON) and he has participated in more than 20 competitive research programs. He is an Associate Editor of **IEEE Networking Letters, IEEE Communication Surveys and Tutorials,** and IET Networks. His research interests include teletraffic engineering, performance analysis and simulation of communication networks and smart grids. He is a senior member of IEEE.

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Prof. S. Shioda received his M.S. degree in Physics and Ph.D. degree in Teletraffic Engineering from the University of Tokyo, Tokyo, in 1988 and 1998, respectively. In 1988, he joined Nippon Telegraph and Telephone Corporation, Tokyo, where he conducted research on traffic measurement and control for ATM-based networks. He moved to Chiba University, Japan, in 2001, and currently serves as the Dean of the Graduate School of Informatics. His research interests include mathematical modelling and performance analysis of telecommunication systems.

Scope of the session

The objective of this special session is to bring together research papers that address challenges in teletraffic theory and engineering as well as network optimization theory in contemporary networks.

Prospective authors are invited to submit original and unpublished work on the following research topics related to this Special Session:

- performance evaluation of wired, optical, wireless and satellite networks
- optical network performance modelling and assessment
- networks and services modelling tools
- call admission control

- network planning and dimensioning
- traffic management and forecasting
- QoS routing
- performance evaluation of switching systems
- analytical and simulation teletraffic models
- network/traffic optimization