

Keynote Speaker



Ioannis Tomkos

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Title

Dynamic Converged Optical Network Architectures

Abstract

A fundamental challenge at this point of optical networking evolution, is to develop novel unifying technologies and solutions that are controlled by an intelligent control and management plane and achieve convergence in multiple levels of the network operation (i.e. access / metro / core network segments, optical / wireless technology domains, optical / network / service layer integration, optical circuit / burst / packet switching paradigms, single / multiple domain networks), thus reaching an optical infrastructure that will enable optimum and efficient end-to-end service delivery with the required performance guarantees.

The presentation will address solutions for achieving this converged framework. Emphasis will be given on the activities of relevant EU research projects from which recent results will be highlighted.

Biography

Dr. Ioannis Tomkos has the rank of Full Professor at Athens Information Technology Center, where he serves as its Associate Dean (since 2004) and is an Adjunct Faculty at the Information Networking Institute of Carnegie-Mellon University, USA. In the past (1999 - 2002) he held a senior scientist position at Corning Inc. USA. He joined AIT in 2002 where he founded and serves as the Head of the "High Speed Networks and Optical Communication (NOC)" Research Group that was/is involved in many EU funded research projects (including 5 running and 2 accepted FP7 projects) within which Dr. Tomkos is representing AIT as Principal Investigator and has a consortium-wide leading role (e.g. Project Leader of the EU ICT STREP project DICONET, Project Leader of the EU ICT STREP project ACCORDANCE, Technical Manager of the EU IST STREP project TRIUMPH, Chairman of the EU COST 291 project, WP leader in many other projects).