# EMERGING 2010

## Foreword

The Second International Conference on Emerging Network Intelligence (EMERGING 2010) held from October 25 to October 30, 2010 in Florence, Italy, constituted a stage to present and evaluate the advances in emerging solutions for next-generation architectures, devices, and communications protocols. Particular focus was aimed at optimization, quality, discovery, protection, and user profile requirements supported by special approaches such as network coding, configurable protocols, context-aware optimization, ambient systems, anomaly discovery, and adaptive mechanisms.

Next-generation large distributed networks and systems require substantial reconsideration of existing 'de facto' approaches and mechanisms to sustain an increasing demand on speed, scale, bandwidth, topology and flow changes, user complex behavior, security threats, and service and user ubiquity. As a result, growing research and industrial forces are focusing on new approaches for advanced communications considering new devices and protocols, advanced discovery mechanisms, and programmability techniques to express, measure, and control the service quality, security, environmental and user requirements.

We take here the opportunity to warmly thank all the members of the EMERGING 2010 technical program committee as well as the numerous reviewers. The creation of such a broad and high quality conference program would not have been possible without their involvement. We also kindly thank all the authors that dedicated much of their time and efforts to contribute to the EMERGING 2010. We truly believe that thanks to all these efforts, the final conference program consists of top quality contributions.

This event could also not have been a reality without the support of many individuals, organizations and sponsors. We also gratefully thank the members of the EMERGING 2010 organizing committee for their help in handling the logistics and for their work that is making this professional meeting a success. We gratefully appreciate to the technical program committee co-chairs that contributed to identify the appropriate groups to submit contributions.

We hope Florence provided a pleasant environment during the conference and everyone saved some time for exploring this historic city.


**EMERGING 2010 Chairs**

Tulin Atmaca, IT/Telecom&Management SudParis, France
Raj Jain, Washington University in St. Louis, USA
Michael D. Logothetis, University of Patras, Greece
Naoki Wakamiya, Osaka University, Japan
Robert Forster, Edgemount Solutions - Plano, USA

Corrado Moiso, Telecom Italia, Italy

Krishna Murthy, Infosys, USA

David Carrera, Barcelona Supercomputing Center (BSC) / Universitat Politecnica de Catalunya (UPC), Spain

Peter Deussen, Fraunhofer Research Institute for Open Communication Systems - Berlin, Germany

Daniel Scheibli, SAP Research, Germany