

EMERGING 2022

Forward

The Fourteenth International Conference on Emerging Networks and Systems Intelligence (EMERGING 2022), held between November 13 and November 17, 2022, 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 2022 technical program committee, as well as all the reviewers. The creation of such a 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 effort to contribute to EMERGING 2022. We truly believe that, thanks to all these efforts, the final conference program consisted of top quality contributions.

We also gratefully thank the members of the EMERGING 2022 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that EMERGING 2022 was a successful international forum for the exchange of ideas and results between academia and industry and to promote further progress in the field of emerging networks and systems intelligence. We hope that Valencia provided a pleasant environment during the conference and everyone saved some time to enjoy the charm of the city.

EMERGING 2022 Chairs

EMERGING 2022 Steering Committee

Raj Jain, Washington University in St. Louis, USA
Robert Bestak, Czech Technical University in Prague, Czech Republic
Emilio Insfran, Universitat Politècnica de València, Spain
Euthimios (Thimios) Panagos, Perspecta Labs, USA
Dimitris Kanellopoulos, University of Patras, Greece

Jason Zurawski, Lawrence Berkeley National Laboratory / Energy Sciences Network (ESnet), USA
Linda R. Elliott, Army Research Laboratory, USA

EMERGING 2022 Publicity Chair

Mar Parra, Universitat Politecnica de Valencia, Spain
Sandra Viciano Tudela, Universitat Politecnica de Valencia, Spain