

EMERGING 2019

Forward

The Eleventh International Conference on Emerging Networks and Systems Intelligence (EMERGING 2019), held between September 22-26, 2019 in Porto, Portugal, 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 exiting '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.

The conference had the following tracks:

- Technology and networking trends
- Quality and optimization

We take here the opportunity to warmly thank all the members of the EMERGING 2019 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 2019. 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 2019 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that EMERGING 2019 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 also hope that Porto provided a pleasant environment during the conference and everyone saved some time to enjoy the historic charm of the city.

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