

# INTERNET 2018

## Forward

The Tenth International Conference on Evolving Internet (INTERNET 2018), held between June 24, 2018 and June 28, 2018 in Venice, Italy, dealt with challenges raised by evolving Internet making use of the progress in different advanced mechanisms and theoretical foundations. The gap analysis aimed at mechanisms and features concerning the Internet itself, as well as special applications for software defined radio networks, wireless networks, sensor networks, or Internet data streaming and mining.

Originally designed in the spirit of interchange between scientists, Internet reached a status where large-scale technical limitations impose rethinking its fundamentals. This refers to design aspects (flexibility, scalability, etc.), technical aspects (networking, routing, traffic, address limitation, etc), as well as economics (new business models, cost sharing, ownership, etc.). Evolving Internet poses architectural, design, and deployment challenges in terms of performance prediction, monitoring and control, admission control, extendibility, stability, resilience, delay-tolerance, and interworking with the existing infrastructures or with specialized networks.

While many attempts are done and scientific events are scheduled to deal with rethinking the Internet architecture, communication protocols, and its flexibility, the current series of events starting with INTERNET 2009 is targeting network calculi and supporting mechanisms for these challenging issues.

The conference had the following tracks:

- Internet challenges
- Internet of Things and Blockchain

We take here the opportunity to warmly thank all the members of the INTERNET 2018 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 who dedicated their time and effort to contribute to INTERNET 2018. 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 INTERNET 2018 organizing committee for their help in handling the logistics and for their work that made this professional meeting a success.

We hope that INTERNET 2018 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 the evolving Internet. We also hope that Venice, Italy provided a pleasant environment during the conference and everyone saved some time to enjoy the unique charm of the city.

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