

# INTERNET 2025

## Forward

The Seventeenth International Conference on Evolving Internet (INTERNET 2025), held between March 9<sup>th</sup>, 2025, and March 13<sup>th</sup>, 2025, in Lisbon, Portugal, continued a series of international events addressing challenges raised by the evolving Internet, making use of the progress in different advanced mechanisms and theoretical foundations. The gap analysis aims 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, the 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.). The 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.

We take the opportunity to warmly thank all the members of the INTERNET 2025 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 much of their time and effort to contribute to INTERNET 2025. We truly believe that, thanks to all these efforts, the final conference program consisted of top-quality contributions. We also thank the members of the INTERNET 2025 organizing committee for their help in handling the logistics of this event.

We hope that INTERNET 2025 was a successful international forum for the exchange of ideas and results between academia and industry for the promotion of progress in the field of the evolving Internet.

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