

## Preface

Network of the Future Conference deals with important paradigms for the post-IP generation: new architectures, knowledge and piloting planes, network virtualization, green technologies, sensor networks, mobile and wireless networks, and strong security. In these proceedings, these seven paradigms are described in different sessions. From the material proposed in this book, it is possible to deduce what could be the future Internet or post-IP generation.

The first session introduces new architectures either based on Ethernet or coming from some theoretical studies. Then, some “green technologies” are presented in details: green network planning, green communications, and the Smart Grid. Sensor networks are at the basis of the next session with the Internet Sensor Grid, and efficient transmission schemes. The proceedings are also introducing high security schemes for future fixed or mobile networks. Trusted networks and strong authentication methods are mainly described.

Network virtualization can provide a powerful way to run multiple networks, each customized to a specific purpose, at the same time over a shared substrate. This paradigm permits to know what will be the transition towards IP or non-IP new architectures.

Performance and wireless networks are also analyzed in this book through different examples.

Thank you to the authors of the papers, the members of the program committee, and the reviewers. Without their dedication and active involvement, the conference would not have achieved its current high quality.

Guy Pujolle and S.V. Raghavan

