



## Advances on Networks and Cyber Security

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### Message from the Guest Editors

This Special Issue will include a selection of papers covering a range of subjects, focusing on topical areas of computer networks and security, with a specific emphasis on novel environments, ranging from 5G and virtualized infrastructures to Internet of Things, smart environments and cyber security issues.

Networking represents the underlying core of current IT systems, providing the necessary communication support for complex infrastructures. Recent years have witnessed a number of novel concepts moving from theory to large scale implementations, such as software defined networking, network function virtualization, 5G, smart environments, and IoT. These concepts fundamentally change the paradigms used in traditional networking, with a number of areas, such as network routing and system or business security, having to adjust or redesign to accommodate them. While the benefits are clear, through the advent of new applications, use cases, improved user interaction and experience, they also introduce new challenges for generic network architectures, mobility, security and traffic engineering.

