2017 Tyrrhenian International Workshop on Digital Communications
Towards A Smart And Secure Future Internet

September 18-20, 2017, Mondello (Palermo), Italy

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Call for Papers

Over the past decade, the Internet evolution has been characterized by the proliferation of mobile smartphones as dominant devices for accessing the network, and by the impressive growth of connected objects with sensing and actuation capabilities within the paradigm of the Internet of Things in different application domains, such as critical manufacturing, emergency services, energy, financial services, healthcare and public health, information technologies, and transportation systems.

The proliferation of data and connections are creating new opportunities to leverage knowledge and to manage systems in innovative ways, but are also introducing new risks due to the increased interactions between entities, in particular in the context of Critical Infrastructures. This leads to a variety of conflicting requirements and technical challenges for the Future Internet: on one side, it is required to improve the mechanisms to retrieve information, distribute contents and manage knowledge; on the other side, it is essential to deal with data protection, privacy, and access control.

The goal of TIWDC-2017 is to investigate emerging paradigms and solutions for the design of a Smart and Secure Future Internet. Contributions are solicited on all advanced research issues in these context, and particularly (but not limited to) on the following topics:

Secure Future Internet

- Attack detection and prevention
- Authentication protocols
- Biometric systems
- Cloud, data center and distributed systems security
- Computer and network forensics
- Firewall technologies
- Fog computing security and privacy
- Internet security and privacy
- Intrusions Detection Systems
- Malware detection
- Multimedia forensics
- Network security
- Physical layer security
- Secure services and systems
- Security and privacy for wireless networks
- Web security

Smart Future Internet

- Cloud- and fog- based networking
- Future Internet networking architectures
- Internet of Things (IoT)
- Information-centric Networking (ICN)
- Network Function Virtualization (NFV)
- Next-generation access networks
- Resource orchestration and congestion control
- Future Internet applications and services
- Peer-to-peer (P2P) networking
- Quality of Service (QoS) and Quality of Experience (QoE)
- Software Defined Networking (SDN)
- Software Defined Radio (SDR) and Cognitive Radio networks

Important Dates

Paper submission: May 31, 2017

Acceptance notification: June 30, 2017

Final paper submission: July 10, 2017

Proceedings of TIWDC-2017 will be published by **Springer** as a Volume of the Communications in Computer and Information Science (CCIS) series.

Instructions to submit the paper are given in the webpage **http://tyrr2017.cnit.it**

For more info visit http://tyrr2017.cnit.it or contact us at tyrr2017@cnit.it