

Preface

The Second International Conference on Cloud, Networking for IoT systems (CN4IoT) was held in Brindisi, Italy on April 20–21, 2017, as a co-located event of the Second EAI International Conference on ICT Infrastructures and Services for Smart Cities.

The mission of CN4IoT 2017 was to serve and promote ongoing research activities on the uniform management and operation related to software-defined infrastructures, in particular by analyzing limits and/or advantages in the exploitation of existing solutions developed for cloud, networking, and IoT. IoT can significantly benefit from the integration with cloud computing and network infrastructures along with services provided by big players (e.g., Microsoft, Google, Apple, and Amazon) as well as small and medium enterprises alike. Indeed, networking technologies implement both virtual and physical interconnections among cooperating entities and data centers, organizing them into a unique computing ecosystem. In such a connected ecosystem, IoT applications can establish a elastic relationship driven by performance requirements (e.g., information availability, execution time, monetary budget, etc.) and constraints (e.g., input data size, input data streaming rate, number of end-users connecting to that application, output data size, etc.)

The integration of IoT, networking, and cloud computing can then leverage the rising of new mash-up applications and services interacting with a multi-cloud ecosystem, where several cloud providers are interconnected through the network to deliver a universal decentralized computing environment to support IoT scenarios.

It was our honor to have invited prominent and valuable ICT international experts as keynote speakers. The conference program comprised technical papers selected through peer reviews by the TPC members and invited talks. CN4IoT 2017 would not be a reality without the help and dedication of our conference manager Erika Pokorna from the European Alliance for Innovation (EAI). We would like to thank the conference committees and the reviewers for their dedicated and passionate work. None of this would have happened without the support and curiosity of the authors who sent their papers to this second edition of CN4IoT.

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