SmartEdge'18 - Second International Workshop on Smart Edge Computing and Networking - Welcome and Committeees

SmartEdge'18 Welcome Message

We are approaching a fundamental shift in the computational era as the number of smart edge devices (e.g., smartphones, tablets, smart watches, smart glasses, smart meters, connected vehicles, etc.) is expected to exceed 4 billion by the end of 2018. Recent surveys on mobile consumers show that these edge devices become the significant source for wireless data access as well as data generation. While edge devices generate a vast amount of valuable data, the same devices also offer a massive infrastructure for computing. Similarly, smartphones already possess more storage capacity than all servers combined. For example, it is estimated that the collective computing and storage capacity of smartphones will surpass all worldwide servers by now. Moreover, it is expected that individual devices will exhibit server-like features in the coming decade.

The 2018 IEEE PerCom workshop on Smart Edge Computing and Networking (SmartEdge'18) aims at bringing together experts from several research communities spanning pervasive & mobile computing, wireless networks, embedded systems, Internet of Things, big data, and data analytics to discuss data needs and interests, challenges to be addressed, tools to be developed, and new research problems on edge wireless infrastructure, edge mobile systems, rich set data accessed or generated by edge devices and the Internet of Things.

We received 19 full submissions in response to the call for papers. With the help of the members of the Technical Program Committee, we selected 8 papers to be presented in the workshop technical program.

We would like to acknowledge the tremendous efforts of each member of SmartEdge'18 program committee. We also would like to acknowledge the efforts of Daniele Riboni and Petteri Nurmi, IEEE PerCom'18 Workshops' Co-Chairs. Finally, we are very grateful to all authors for their contributions and we kindly welcome you to SmartEdge'18.

SmartEdge'18 General Co-Chairs Tamer Nadeem, Virginia Commonwealth University, USA Glenn Ricart, US Ignite, USA Theodoros Salonidis, IBM Research, USA

SmartEdge 2018 Organisation

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