

Message from the Workshops Chairs

W-FiCloud 2017

Welcome to the FiCloud Workshops 2017 (W-FiCloud 2017) edition. This year ten workshops were organized in conjunction with the IEEE 5th International Conference on Future Internet of Things and Cloud (FiCloud-2017), the 14th International Conference on Mobile Web and Intelligent Information Systems (MobiWis 2017) and the 3rd International Conference on Big Data Innovations and Applications (Innovate-Data 2017).

These were held in Prague, Czech Republic, during 21-23 August 2017. These include (i) BigR&I-2017: The 4th International Symposium on Big Data Research and Innovation (ii) ICI 2017: The 4th International Symposium on Intercloud and IoT (iii) SNAMS 2017: The 4th International Symposium on Social Networks Analysis, Management and Security (iv) DS4IDS: The International Workshop on Data Science for Intelligent Decision Support (v) AKEH 2017: The International Workshop on Applied Knowledge Engineering to Healthcare (vi) SP4SC-2017: The 3rd International Workshop on Signal Processing for Secure Communications (vii) PMECT 2017: The 11th International Symposium on Performance Modeling and Evaluation of Computer and Telecommunication Networks in Cloud & IoT (viii) 5GET 2017: The 1st International Symposium on 5G Emerging Technologies (ix) MobiApps 2017: The 4th International Workshop on Mobile Applications (x) AWMA 2017: The 4th International Symposium on Advanced Web and Mobile Applications.

The development of new systems and technologies such as cloud computing, IoT, sensors and wireless networking, Web, mobile systems, and big data systems and their adoption by a large number of individuals, organizations and businesses lead to a new reality and new way of carrying out daily tasks and business activities. They provide network-based integrated systems and applications that comprise physical objects or things embedded with electronics, software, sensors, and network connectivity. They enable objects and things to collect, process and exchange data in real-time in order to provide timely and useful solutions in different application domains such as social networking, healthcare, science and research, business and commerce and public sector.

In the fourth edition, the W-FiCloud 2017 proceedings present research and practical work in order to demonstrate significant achievements in a wide range of technological services. W-FiCloud 2017 promote the cross-fertilization of information and knowledge across professional and geographical boundaries, serving as the catalyst for ubiquitous worldwide infrastructures. The workshops and symposia cover different areas such as Big Data, Intercloud, Security, Social Networks, Advanced Networking, Data Science, and Knowledge Engineering.

The Program Committees of the workshops and symposia have put together an interesting technical program which comprises papers from authors from different countries across the world.

We hope that participants will find the technical program useful and will help them to develop further research ideas in the areas related to the theme of the workshops and symposia.

We would like to thank all the authors for their contributions to the success of this year edition. We also thank members of the Organizing and Program Committees of the workshops and symposia. We express our sincere thanks to workshops and symposia chairs: Natalia Miloslavskaya, Rubén Casado, Yaser Jararweh, Wael Mohamed Elmedany Elhadj Benkhelifa, Zaki Malik, Jim Jansen, Mohammad AL-Smadi, Christian Guetl, Peter Bull, Lin Guan, Xingang Wang, Joyce El Haddad, Mohammad Hamdaqa, Haythem Bany Salameh, Zilong Ye, Manuel Filipe Santos, Teresa Guarda, Hugo Peixoto, Júlio Duarte, José

Machado, António Abelha, Francesco Benedetto, Arno Wacker, and Pinar Kirci. We wish all the participants an enjoyable time at the several sessions.

Irfan Awan, *University of Bradford*
Filipe Portela, *University of Minho, Portugal*
Muhammad Younas, *Oxford Brookes University*
W-FiCloud 2017 Chairs