Message from the MESOCA Chairs

We are happy to welcome you to Raleigh, North Carolina, USA, and to the IEEE 10th Symposium on the Maintenance and Evolution of Service-Oriented Systems and Cloud-Based Environments (MESOCA), co-located with the 32nd IEEE International Conference on Software Maintenance and Evolution (ICSME 2015).

Over the 10-year history of MESOCA, we have seen a great deal of evolution in the domain of services-oriented and cloud-based systems, and in the evolution of MESOCA itself! This event evolved from MESOA, The International Workshop on a Research Agenda for Maintenance and Evolution of Service-Oriented Systems, having its first edition in 2007, in Paris. It focused on Service-Oriented Architecture (SOA) as a dynamic, heterogeneous and potentially distributed development and maintenance environment, while service identification, concept location and service testing were presented as techniques to support maintenance and evolution of service-oriented systems. In 2011, in Williamsburg, the event became MESOCA, The IEEE International Workshop on the Maintenance and Evolution of Service-Oriented and Cloud-Based Systems, introducing topics related to Cloud Computing, as an emerging model for system development and deployment, and an important complement of SOA. Starting with the 2013 edition from Eindhoven, the MESOCA scope was extended again and the event was transformed into a symposium; it continued to play its part in the maintenance and evolution community, for bringing together researchers from various service-oriented approaches and from Cloud Computing, in order to analyze the common challenges, but also their differences. The event registered an increased interest in the evolution of cloud environments and for the migration of legacy applications to provisioning services.

The 2016 edition of MESOCA in Raleigh is driven by the same broad challenges, and in particular is interested in exploring these challenges in the context of bridging the physical and virtual worlds. The papers that you will discover in these proceedings address our areas of interest while exploring new frontiers, like the move to container-driven encapsulation to the Internet of Things. Our theme is "Architecting, Maintaining and Evolving Complex and Data Intensive Systems for a Cyber-Physical World", which in addition to being addressed directly and indirectly in the accepted papers, also drives the presentations and discussions that are part of MESOCA 2016.

The chairs of MESOCA 2016 spanned two continents and experienced various major life events, which made for some unique challenges. We would like to express our special thanks to our steering committee for their patience and continued work behind the scenes. We thank the members of the program committee and the additional reviewers for their rigorous and detailed reviews, which helped us to select the best submissions. A special thanks is due to Prof. Scott Tilley for agreeing to give a keynote to share his insights into service-oriented and cloud-based software. We are also thankful to the ICSME organizing committee for its valuable help and to IEEE for its consistent support.

Michael Smit
General Chair

Kostas Kontogiannis
Program Chair