Welcome to IWSC 2015, the 12th IEEE International Workshop on Software Cybernetics!

IWSC 2015 continuous its efforts in promoting the multi-disciplinary research on software cybernetics. The theme of IWSC 2015 is “Smart Software Control in Mobile and Cloud Computing”. Devices are pervasively connected in an open and dynamic environment. It imposes new requirements for software control mechanisms so that the system can be aware of, and adaptive to, the dynamic context changes. Many challenges exist in smart control in mobile and cloud computing, for examples, the capabilities to detect, learn, and predicate environmental change, and the intelligence for automatic, collaborative and evolutionary adaptation. The advances in computing paradigms, such as cloud computing and Big Data analytics, lead to new technologies.

The papers submitted were carefully reviewed by at least three program committee members. We are grateful to all the program committee members and reviewers for their efforts and contributions. We would like to thank our steering committee chaired by Prof. Stephen S. Yau for their sustained support and encouragement. Our thanks also go to the general chairs, Prof. Wei-Tek Tsai and Dr. Kenji Takahashi, for their effort in promoting the workshop. Specially, we would like to thank COMPSAC workshop chairs Dr. William Claycomb, Dr. Mihhail Matskin, and Dr. Motonori Nakamura, for their great coordination and support. Finally, we would like to thank all the authors for their contributions, which ultimately made the workshop a success.

We hope you all find the workshop fruitful and memorable.

**Workshop Organizers**

**Steering Committee Chair:** Stephen S. Yau, Arizona State University, USA  
**General Chairs:** Wei-Tek Tsai, Arizona State University, USA  
Kenji Takahashi, NTT Innovation Institute, USA  
**Program Co-Chairs:** Xiaoying Bai, Tsinghua University, China  
Helen Karatza, Aristotle University of Thessaloniki, Greece