Welcome to the 2017 IEEE International Conference on Web Services (ICWS 2017)!

The long-term goal of ICWS is to establish a reputable and respectable conference for the international community of researchers and practitioners to exchange information regarding advancements in the state of the art and practice of Web Services, and to identify emerging research topics and define the future of Web Services computing. ICWS 2017 is sponsored by the IEEE Computer Society Technical Committee on Services Computing (TC-SVC) and the Services Society (SS). ICWS 2017 is the flagship conference of the 2017 IEEE Congress on Services (SERVICES 2017), celebrating the research accomplishments of the community along with other events to explore “Services” (Science and Technology), as promoted by the IEEE Computer Society in 2003!

The program of ICWS 2017 continues to feature research papers covering a wide range of topics, with a focus on various aspects of Web-based data-centric services such as Service Composition, Service Recommendation, Social-based Recommendation, Quality of Service, Service Security and Privacy, Testing and Verification, Modeling and Architecture, and Mobile and Location Based Services.

As the most prestigious academic conference in the field of Web Services, the first International Conference on Web Services, ICWS 2003 was held at the Monte Carlo Resort in Las Vegas, Nevada, June 23-26, 2003. ICWS 2004 was held at the Westin Horton Plaza in San Diego, California, July 6-9, 2004. ICWS 2005 and the IEEE International Conference on Services Computing (SCC) 2005 were held at the Sheraton Safari Hotel in Orlando, Florida, July 11-15, 2005. ICWS 2006 and SCC 2006 were held at the Hyatt Hotel in Chicago, Illinois, September 18-22, 2006. ICWS 2007 and SCC 2007 were held at the Marriott Hotel in Salt Lake City, Utah, July 9-13, 2007. ICWS 2008 was held at the Beijing Friendship Hotel in Beijing, China, September 23-26, 2008. ICWS 2009 was held at the Los Angeles Marriott Hotel in Los Angeles, California, July 6-10, 2009. ICWS 2010 was held at the Hyatt Regency Miami in Miami, Florida, July 5-10, 2010. ICWS 2011 was held at the Washington Marriott, Washington, D.C., July 4-9, 2011. The First International Conference on Web Services - Europe 2003 (ICWS-Europe’03) was held in Germany in Oct, 2003. ICWS-Europe’03 is an extended event of the 2003 International Conference on Web Services (ICWS 2003) in Europe. In 2004, ICWS-Europe was changed to the European Conference on Web Services (ECOWS), which was held at Erfurt, Germany and organized by the two co-founders. From 2003 to 2011, two conferences were held each year. In 2012, ECOWS and ICWS formally merged into ICWS. ICWS 2012 was held at the Hyatt Regency Waikiki Resort and Spa, Honolulu, Hawaii, June 24-29, 2012. ICWS 2013 was co-located with

Many people have worked very hard to make this conference possible. We would like to thank all who have helped in making ICWS 2017 a success. The Program Committee members and referees all deserve credit for producing an excellent final program that resulted from diligent reviews of the submissions. Special thanks go to the program chairs and all of the other organizing committee members. We would also like to express our appreciation to the Services Computing Professional Interest Community (PIC) at IBM Research for their continuous sponsorship. Clearly, there are still many unresolved research issues with regard to services computing as it is a young field. We hope you enjoy the conference and contribute to future ICWS events as authors, speakers, panelists, volunteers, and conference organizers. Finally, ICWS belongs to you, the audience.

SERVICES Congress General Chairs
Ephraim Feig, Independent Consultant, USA

General Chairs
Klara Nahrstedt, University of Illinois at Urbana-Champaign, USA
Hong Zhu, Oxford Brookes University, UK