Message from the General and Program Chairs

Welcome to the 2013 IEEE International Conference on Big Data Congress in Santa Clara, California!

The Big Data Congress Conference (IEEE Big Data) is a prestigious forum that facilitates researchers worldwide to exchange cutting-edge research results in various areas of big data research, including big data platform architecture and management, big data security and privacy, data mining and knowledge discovery methodologies and algorithms, vertical application based predictive analysis and actionable decision-making solutions, advanced technologies for data capturing, filtering, storing, and analyzing of large amounts of data from various social media, sensor-based monitoring, and business systems.

This year, IEEE Big Data Congress has received 72 research paper submissions, which went through an extensive and highly selective evaluation process to yield the final list of 20 accepted papers. Each paper was evaluated carefully. The 20 accepted papers are organized into 7 sessions with topics ranging from business process modeling and management, to services composition and selection, and to application modeling and management. In addition to the research track, IEEE Big Data Congress 2013 also features the Applications and Industry track on innovative industrial applications in a number of domains including bioinformatics, telecommunication, and retail. To incubate new ideas, a Work In Progress (WIP) track with topics on analysis, services, awareness, security, data mining, engineering, and testing on big data.

IEEE Big Data Congress is co-located with five other conferences, the International Conference on Web Services, the International Conference on Cloud Computing, the International Conference on Mobile Services, the International Conference on Services Computing, and the World Congress on Services. Collectively, these events offer many interesting keynote speeches, panels, workshops, and work-in-progress sessions, which will foster thought-provoking discussions, as well as identify new directions for future research on big data technologies and their relationship with other research disciplines.

We are confident that the outstanding program of IEEE Big Data Congress 2013 will push the boundary of big data and its analytics and advance the state-of-arts in big data innovation, research, and development. Together with ICWS 2013, CLOUD 2013, MS 2013, SCC 2013, and SERVICES 2013, we provide a diversified program and offer a dynamic atmosphere for discussion and engagement.

Putting together an event like this is always a team effort. We wish to express our sincere appreciation to all the people who have contributed to IEEE BigData 2013. Our foremost thanks go to the authors of all submitted papers. We appreciate their valuable ideas and their substantial effort, as well as their willingness to submit their best work to the IEEE Big Data Congress. We are also very grateful for the hard work of our program committee members and of the external reviewers who helped putting together the IEEE BigData final program. The high quality of the selected papers makes us confident that IEEE Big Data Congress will continue to grow, bringing forward exciting new research directions and technological innovations.

Hope you enjoy the IEEE Big Data Congress and your stay in Santa Clara!

Liang-Jie Zhang and Ephraim Feig, General Chairs
Paul Hofmann, Ming-Chien Shan, Nianjun (Joe) Zhou, and Ernesto Damiani, Program Chairs
Patrick C. K. Hung and Jia Zhang, Program Vice-Chairs