

IEEE Big Data Services - Industry Track (BDS-IT 2015)

San Francisco Bay, March 30th 2015

The Big Data technology and services is a fast-growing market. It is expanding rapidly as large IT companies and start-ups compete for customers and market share. According to IDC's prediction in 2013, the market for big data will reach \$16.1 billion in 2014, growing 6 times faster than the overall IT market. IDCⁱ expects the Big Data technology and services market to grow at a 26.24% compound annual growth rate through 2018 to reach \$41.52 billion. This provides huge opportunities for both companies and start-ups. Big Data Technologies and Services, more importantly, will play a critical role in emerging technologies. According to Gartner's "The Information of Things: Why Big Data Will Drive the Value" reportⁱⁱ, much of the value from the Internet of Things will come from the data, making big data analysis a cornerstone of the success of the Internet of Things. It is no wonder that Gartner expectsⁱⁱⁱ by 2016 big data will be used more often to innovate or invent products and services than to incrementally improve existing business processes.

This industry track is intended to provide a new platform for researchers and practitioners to exchange new ideas and share state-of-the-art research results and solutions in Big Data Technologies and Services.

We invite original submissions in all the areas of Big Data Technologies, Big Data Services, Big Data and IoT, Streaming Analytics, and Big Data Visualization. The topics include, but are not limited to the following:

- Big Data Platforms
- Big Data Analytics Services
- Big Data and Internet of Things
- Real-time Big Data Analytics Platforms
- Big Data and Sensor-based Applications
- Geo-fencing and Big Data based Location Apps
- Big Data location-based, context aware and mobile applications
- Enhancing Big Data and Context Security
- Big Data & Business Analytics Use Cases
- Big Data Technologies for improved healthcare
- Application of Big Data Technologies for detecting health patterns
- Smarter Agriculture by applying Big Data Technologies
- Enhance Customer Experience by using Big Data and Mobile Technologies
- Improve healthcare metrics by applying Big Data Technologies
- Big Data Industry Use cases
- Application of Big Data for Predictive Modelling & risk analysis
- Application of Big Data Technologies for developing real-time recommendation systems
- Application of Big Data Technologies for developing near-real time insights
- Big Data and Predictive Analytics
- Real-Time Geo Mapping
- Big Data Analytics for improving Mobile Users experience
- Industrial Internet and Big Data Analytics
- Application of Big Data for Predictive and Preventive Maintenance

- Big Data Analytics as a Service
- Big Data Sensor Ingestion Platform as a Service
- Big Data Application for Serving People at the Bottom of Pyramid
- Big Data and People Analytics
- Big Data and Sensor Analytics for Agriculture
- Big Data Analytics for Mobile Augmented Reality Applications
- Big Data Applications for Wearable Technologies
- Big Data Analytics for Captive Audience
- Big Data Services and Data Governance
- Big Data Services & Design Patterns
- Big Data Services and Industry Compliances (i.e., HIPAA, Cloud Security, PCI, FIPS) Frameworks

Submission

Prospective authors are invited to submit manuscripts reporting original unpublished work and not submitted to anywhere else for consideration of publication on the topics related to the workshop. Papers must follow the IEEE double-column format and should not exceed 6 pages (standard extra page policy). At least one of the authors of an accepted paper must be registered and present his/her paper at the workshop.

All papers must be submitted electronically by the EasyChair system:
//to be completed//

Important Dates

Paper submission deadline: December 15th, 2014

Notification: January, 15th, 2015

Camera-ready due: January 31st, 2015

Workshop: March 30th, 2015

Industry Track Co-Chairs:

- Songbin Wei, Director, Cisco Systems
- Chandrasekar Vuppapapati, San Jose State University

Industry Track Committee Members

- Jiang Zhu, Research Group at Cisco USA
- Eddie Ma, Microsoft USA
- Sai Natarajan, Cisco USA
- Dennis Cai, Cisco USA
- Wen Chen, Cisco, USA
- Larry Wang, yountQi Inc., USA
- Jiang Zhu, Research Group at Cisco, USA
- Shaw-Jen Chang, Cisco, USA
- Jason Ma, Google, USA

- Dennis Wu, Buuteeq Inc., USA
- Laura Liao, Cisco, USA
- Mihai Budiu, Microsoft, USA
- Jianxin Li, Beihang University, China

Contact

Chandrasekar Vuppapapati chandrasekar.vuppapapati@sjsu.edu

ⁱ IDC Worldwide Big Data Technology and Services 2014–2018 Forecast - DoCID#250458

ⁱⁱ The Information of Things: Why Big Data Will Drive the Value in the Internet of Things
<https://www.gartner.com/doc/2436015?ref=ddisp>

ⁱⁱⁱ Information, Analytics and Big Data Trends and Opportunities
<http://my.gartner.com/portal/server.pt?open=512&objID=202&mode=2&PageID=5553&ref=webinar-rss&resId=2727321&srcId=1-3134301641>