



The volume of data produced on the Internet has increased exponentially in recent years. The Internet of Things and sensory devices are among the resources that have contributed to this rapid growth of data on the Internet. The data driven services and applications look for transforming this massive data into actionable information and insights to support decision-making process and to create situation-awareness. However, management and analysis of large volumes of data are still less developed than our capacity to collect information. We face relevant challenges to answer questions such as: How to use all this data? How to extract actionable information from it? How to deal with dynamicity of data and how to extract reliable information from data with variable qualities? This actionable information will be used in future services and applications, and vehicular communications to provide (near) real time intelligence about the environment and provide context-aware and situation-aware services.

SCOPE AND OBJECTIVES

This workshop seeks innovative contributions to stream data analytics, context/location aware solutions, and spatio-temporal systems to assist in the extraction of actionable information from dynamic data sources. Potential topics include, but are not limited to:

- Dynamic semantics and scalable semantic annotation methods
- Stream processing and reasoning on dynamic data; real-time feedback control and response systems; event-centred views of data streams
- Adaptable and reconfigurable learning methods
- Pattern recognition, trend detection, anomaly and event detection, semantic event processing, and inferring actionable knowledge techniques with dynamic data
- Spatio-temporal data analytics
- QoI and QoS annotation and analytics for data streams
- Context-aware and situation-aware analytics
- Dynamic solutions for IoT security, privacy and trust
- Co-occurrence and causation detection and analysis in real world data streams
- Smart city uses cases and applications in traffic management, vehicle-to-vehicle communications and intelligent transport systems

IMPORTANT DATES

Paper Submission: Dec. 17, 2014

Authors Notified: Jan. 26, 2015

Camera Ready: Feb. 16, 2015

Organising Committee:

General Chair: Maria Bermudez-Edo, University of Surrey, UK

Programme Co-Chairs:

Payam Barnaghi, University of Surrey, UK

Koji Zettsu, NICT, JP

Schahram Dustdar, Vienna University of Technology, AT

Technical Programme Committee (tentative):

Rajendra Akerkar (Vestlandforskning -Sogndal, NO)

Konstantinos Vandikas (Ericsson, SE)

Oscar Corcho (Universidad Politécnic de Madrid, ES)

Jean-Paul Calbimonte (EPFL, CH)

Sefki Kolozali, (University of Surrey, UK)

Minh S Dao (NICT, JP)

Bin Guo (Northwestern Polytechnical University, CN)

Kerry Taylor (CSIRO ICT Centre -Canberra, AU)

Cosmin-Septimiu Nechifor (Siemens, RO)

María Visitacion Hurtado (Universidad de Granada, ES)

Alessandra Mileo (National University of Ireland in Galway, IE)

Monika Solanki (Aston University, UK)

Vlasios Tsiatsis (Ericsson, SE)

Ralf Tönjes (University of Applied Science Osnabrück, DE)

Mirko Presser (Alexandra Institute, DK)

Pramod Anantharam (Knoesis, Wright State University, US)

Josiane Xavier Parreira (Siemens, AT)

Danh Le Phouc (DERI, National University of Ireland, IE)

Krishnaprasad Thirunarayan (Wright State University, US)

Tope Omitola (University of Southampton, UK)

Manuel Noguera (Universidad de Granada, ES)

Huanjia Yang (Loughborough University, UK)

Athanasios Karapantelakis (Ericsson, SE)

Emanuele Della Valle (Politecnico di Milano, IT)