

# 2nd International Workshop on Big Data for Sustainable Development

2016 IEEE International Conference on Big Data

Dec 5 – 8, 2016 @ Washington D.C., USA

<http://cci.drexel.edu/bigdata/bigdata2016/>



## Introduction

Sustainability is an important issue in the modern world. Its human society needs to regard the potentials of sustainability from a global perspective. World leaders have adopted the 17 Sustainable Development Goals (SDGs) of the 2030 Agenda for Sustainable Development in UN historic Summit in September 2015. Presently, it cannot be said that the definition of sustainability is complete. However, it can be expected that evaluating the current risk of socioeconomic systems, foreseeing any future risks and implementing resilience into them may build a sustainable society.

To do so, it seems to be necessary to understand the state of socioeconomic systems (nowcast) from evidences and to possess design concepts regarding future (foresee). Currently, we have rich data on socioeconomic–environmental systems due to development of information and communication technology. For example, we have rich data on demography with geographical information, point-to-point data on transportation statistics and economic activities from e-commerce platforms. It is expected that we will be able to understand our societal activities and find room for improvement. To do so, we have several challenges. Firstly, we need to construct rich a database on socio-economic–environmental systems. Secondly, we need computational methodologies to infer these measures from a statistical point of view, since this data is always incomplete. Thirdly, we need to consider a method to implement novel technologies into societal problems.

In this workshop, we intend to share visions to investigate socio–techno–environmental systems based on rich data with researchers and exchange new ideas based on current state-of-the-arts. In this workshop, we set two goals:

- Mutual understanding of different fields
- Finding opportunities of sustainable development from Big Data

## Research Topics

- Transportation
- Logistics
- Tourism
- Production and Consumption
- Infrastructure
- Banking and Finance
- Medical care

## Important Dates

Oct 15, 2016 (extended): Due date for full workshop papers submission

Oct 31, 2016 (extended): Notification of paper acceptance to authors

Nov 15, 2016 (extended): Camera-ready of accepted papers

Dec 5–8, 2016: Workshops and International Conference

## Program Chair

- Program Chair: Dr. Aki-Hiro Sato (Kyoto University)

## Program Committee Members

- Dr. Meiko Jensen (Kiel University of Applied Sciences, Germany)
- Dr. Aki-Hiro Sato (Kyoto University)
- Dr. Takashi Isogai (Bank of Japan, Japan)
- Dr. Yoshiharu Maeno (NEC, Japan)
- Dr. Takashi Irohara (Sophia University, Japan)
- Dr. Till Becker (The University of Bremen, Germany)
- Dr. Hiroshi Tsuda (Doshisha University, Japan)
- Dr. Antoaneta Serguieva (University College London, UK)

<http://ssuopt.amp.i.kyoto-u.ac.jp/wordpress/ieeebigdata2016/>