



Information and Communication Technologies  
in Organizations and Society  
*Smart Technologies for an inclusive world*  
Paris, October 1st and 2nd, 2020



## Track Proposal for ICTO2020

### TRACK : IS and Sustainability

#### TRACK co-CHAIRS

Abdullah Albizri, Montclair State University, USA

Email: [albizria@montclair.edu](mailto:albizria@montclair.edu)

Marina Johnson, Montclair State University, USA

Email: [johnsonmari@montclair.edu@montclair.edu](mailto:johnsonmari@montclair.edu@montclair.edu)

#### OVERVIEW OF TRACK

With the increasing need in addressing the critical environmental challenges such as global warming, researchers are expected to tackle and engage in the current initiatives in the society. Sustainability issues include environmental concerns involving people, processes, technology, and systems to support individual, organizational, and societal goals.

In information system (IS) research, different areas engage with the development of environmentally sustainable individual, social, and business initiatives and tools through IS research. These areas encompass areas such as green information technology (IT) or green computing and green IS. Green IT/IS and sustainability are gaining more interest due to the critical environmental challenges to the different stakeholders in society.

The significance of IT and IS in transforming individuals, organizations, and society suggests that green IT/IS is a key component of an organization's environmental initiatives. Beyond the role of limiting the carbon footprint of technologies, green IS can be introduced, adapted, and implemented to drive an important role in developing sustainable initiatives.

This track focuses on the role of Information Systems in developing and supporting sustainability initiatives and in highlighting the need to address environmental concerns and not only targeting financial aspects.

## **INDICATIVE LIST OF TOPICS**

The following topics are not intended to be exhaustive but are of interest to the ... track.

- Motivations for green IT and IS-enabled initiatives for individuals and within firms
- Adoption and impact of green IT/IS and sustainability practices
- Data analytics and Big Data for Smart Cities and Smart Homes
- The role of IT/IS in green supply chain management
- Environment Big Data Processing and Analysis
- Environmental management systems
- Theories for green IT/IS and sustainability
- Case studies of green IT/IS and sustainability
- Green initiatives through latest technologies (e.g., social media, cloud computing, etc.)
- Energy-Consumption-Aware Ubiquitous Computing
- Energy resource management and energy informatics applications
- Sustainable business process management
- Green government and sustainable approach
- Green service/marketing using technologies
- The sustainability of green IT/IS initiatives
- IS solutions for a more sustainable society

## **IMPORTANT DATES**

- Paper Submission Opens: **April 1<sup>st</sup>, 2020**
- Paper Submission Deadline: **June 15<sup>th</sup>, 2020**
- Authors Notification: **July 31<sup>st</sup>, 2020**
- Final Submission: **August 31<sup>st</sup>, 2020**
- Conference Dates: **October 1–2, 2020**

## **PAPER SUBMISSION GUIDELINES**

Authors should submit original, unpublished research papers. All accepted papers will be published in a volume of the Springer Scopus indexed LNISO. Submissions should not be under consideration for any other conference or journal outlet. Submission of papers in PDF format is via EasyChair.

<https://easychair.org/conferences/?conf=icto2020>