

**INVITED SESSION SUMMARY****Title of Session:**

Real-time data processing in Industrial and IoT Applications

Name, Title and Affiliation of Chair:**Chair:****Prof. Abdellah Chehri**

University of Quebec- UQAC, Canada

achehri@uqac.ca

Co-Chaired by**Prof. Gwanggil Jeon**

Incheon National University, Korea

gjeon@inu.ac.kr

Co-Chaired by**Prof. Paul Fortier**

University Laval, Canada

fortier@ulaval.ca

Details of Session (including aim and scope):

Data induction through smart devices is more significant compared to information processing capacity. Now a day, data becomes humongous, even coming from a single source. Therefore, when data emanates from all heterogeneous sources distributed over the globe, its magnitude makes it harder to process up-to a needed scale. Big data have become standard in providing well-known solutions built-up using algorithms and techniques in resolving data processing issues.

The proposed special session focuses, but not restricted to, in data-related applications in IoT and Industrial scenario that can exploit big data features. It is intended to present the current state-of-the-art in this field as well as future trends.

The topics of interest include, but are not limited to:

- IoT based real-time communication system using image processing techniques.
- Digital transformation and artificial intelligence.
- Big data storage management for IoT applications.
- Data collection, data mining, and prediction models.
- Video and image processing in industrial applications.
- Human behavioral extraction and monitoring in big data and IoT applications.
- Models and parallel algorithms for medical imaging for IoT.
- Real-time human behavioral measurement, modeling, evaluation, and tools for IoT Big Data.
- Real-time behavior assessment in big data transmission with efficiency for Industrial IoT.
- Behavioral feature-based learning from big data to facilitate monitoring.
- Scalable and semantics-driven indexing of ever-growing multimedia data.
- Security and privacy in IoT.

Important deadlines

- Submission deadline: **15 Feb 2020**
- Acceptance/Reject notification: **2 March 2020**
- Camera-ready: **10 March 2020**
- Author Registration: **10 March 2020**
- Conference Sessions: **17- 19 June 2020**

Submission

All Papers should comply with a guide length of **10 pages** in publisher format. Papers longer than this will be subject to an additional charge for each extra page. Submissions must be in PDF format for review purposes, but authors are required to upload editable word-processor files (LaTeX or MS Word) at the end of the review process. Submissions must be submitted in **PDF form through the PROSE online submission** and review system available

<http://www.hcis20.prosemanager.com/submitpaper.asp>

Publication

The Full Papers conference proceedings will be published by Springer as book chapters in a volume of the KES Smart Innovation Systems and Technologies series, submitted for indexing in Scopus and Thomson-Reuters Conference Proceedings Citation Index (CPCI) and the Web of Science.

<https://www.springer.com/series/8767>

Website URL of Call for Papers

Conference: <http://hcis-20.kesinternational.org/index.php>

Sessions: <http://hcis-20.kesinternational.org/cmsISdisplay.php>

Email & Contact Details

Prof. Abdellah Chehri, University of Quebec- UQAC, Canada, achehri@uqac.ca

Prof. Gwanggil Jeon, Incheon National University, Korea, gjeon@inu.ac.kr

Prof. Paul Fortier, University Laval, Canada, fortier@ulaval.ca