Preliminary Call for Papers

International Semi-virtual Workshop on Data Science and Digital Transformation in the Fourth Industrial Revolution
(DSDT 2020)
October 17, 2020, Soongsil University, Seoul, Korea

Sponsored by International Association for Computer and Information Science (ACIS)
In-Cooperation with Soongsil University

IMPORTANT DATES

Full/Poster Paper Submission:	July 1, 2020
Acceptance Notification:	July 30, 2020
Camera-Ready Papers & Registration:	August 15, 2020
Conference Dates:	October 17, 2020

Conference officers will select outstanding papers for publication in the following journals (www.acisinternational.org):

- *International Journal of Networked and Distributed Computing (IJNDC), Paris, France*
- *International Journal of Software Innovation (IJSI), IGI Global, U.S.A.*
- *International Journal of Big Data Intelligence and Applications (IJBDIA), IGI Global, USA*
- *Studies in Computational Intelligence (SCI), Springer, Germany*

All the above journals and the Springer book have been indexed in Scopus.

These papers are to be selected from the registered papers (also Presented papers) that the number of the accepted /registered papers is the most important as we will have formally indicated the number in the preface the Springer book.

We expect over 80 submissions for the workshop.

Topic Description of the workshop:

Huge amount of Data is being generated and transmitted everyday.
One of the hot issues in many organization systems is how to transform large amounts of daily collected operational data
into the useful knowledge from the perspective of declared organization goals and expected business values.
This special session on Data Science and Digital Transformation in the fourth industrial revolution will discuss
the wide range of issues with significant implications, from Data Warehousing, to Data Mining,
Online Analytical Processing and Reporting, Data quality assessment, Data driven business models, Data privacy and security issues, etc.
Topics will cover wide range of fields from techniques & methodologies for modelling, developing,
 validating Data Science and Digital Transformation. Topics include:

- Theoretical and practical aspects, Applications and Industry Experience
- Data driven business models
- Data privacy and security issues in DS and DT
- Data Warehousing, Data Mining, Online Analytical Processing and Reporting
- Statistical analysis and characterization, predictive analytics and prescriptive analytics
- Process Mining, Pattern Mining, and Swarm Intelligence
- Data quality assessment and improvement: preprocessing, cleaning, and missing data
- Semi-structured or unstructured data in Business Intelligence systems
- Information integration for data and text mining
- Data Science and Analytics for Healthcare and other Public Sectors
- Educational Data Mining
- Social network data analysis
- Web survey methods in Business Intelligence and Data Science
- Implications of Blockchain for Data Science
- Digitization and impacts for Digital Transformation
- Cloud-computing models and scalability in Digital Transformation systems
- Mobile BI, Smart Data, Smart Services, and Smart Products
- Digital Marketing, new web services, sematic web and data analytics
- Opportunities and Barriers of Agility on Digital Transformation

Workshop Organizers:

Honorary General Chair
Dr. Roger Lee, Central Michigan University, USA

Workshop Chair and Organizer
Dr. Jong Bae Kim, Soongsil University, Korea

Workshop Program Chair:
Dr. Jong Bae Kim, Soongsil University, Korea

Workshop Registration Chair:
Dr. Hyoung Woo Park, Soongsil University, Korea

Workshop Program
Committees:

Dr. Kwang Yong Kim, Soongsil University, Korea

Dr. Chang Hong Kim, Soongeui Women's College, Korea

Dr. Dae Woo Park, Ho seo University, Korea

Dr. Sung Taek Lee, Yong In. University, Korea

Dr. Dae Young Kim, KAIST, Korea,

Dr. Bobby Gerardo, West Visayas State University, Philippines

Dr. Subra Ganesan, Oakland University, USA

Dr. Jae Soo Kim, Kyung Buk National University