General Information

As our society becomes increasingly interconnected, digitalized, and smart, we need to also ensure we have in-place cutting-edge processes, technologies and policies that allow us to acquire, analyze, and make more efficient use of (extremely big) data, and use the intelligence gained from the data to further drive innovation. This is the focus of CyberDI 2019

This conference is a platform that brings together cutting-edge research with a particular emphasis on novel and innovative techniques relating to cyberspace data and intelligence.

Topics of interest include, but are not limited to:

Track 1: Cyber Data, Information, and Knowledge Computing
- Knowledge extraction and management
- Parallel and distributed data management
- Semantic web and ontology modeling
- Semi- / un-structured cyberdata extraction and computing
- Endpoint monitoring, user and entity Analysis
- Big data computing and analytics
- Cyber knowledge computing in cloud / edge / fog computing
- Knowledge representation and reasoning

Track 2: Cyber and Cyber-enabled Intelligence
- MEMS, NEMS, Micro and Biometric Devices
- Interaction with smart objects and devices
- Web analytics and security incident response
- Social network interaction and intelligence
- Data mining platforms for cyberspace
- Artificial intelligence for cyberspace
- Cyber behavioral analytics and profiling

Track 3: Data Exchange, Pricing and Trust
- Big data exchange and trading
- Security, privacy and trustworthiness
- Blockchain for cybersecurity operations
- Blockchain in smart contracts
- Digital trust and reputation

Track 4: Smart/Green Convergence on Communication, Computing and Caching
- Big data ecosystems
- Lowering latency and low energy network protocols,
- IoT networking and communication architectures and protocols
- Big / smart data applications
- Multisensor data fusion
- Web information quality and fusion
- Streams, complex event processing
- Organized and collaborative maps and networks

Track 5: Open Tools, Platform and Service for Cyber Data and Intelligence
- Smart applications / services (e.g. smart healthcare / city)
- Programming models for smart systems
- Intelligent services and architectures for smart systems
- Cognitive computing in ubiquitous systems
- Big data tools, platforms and services in ubiquitous systems
- Situation / context-aware network applications

Track 6: Security, Privacy and Social Aspects
- Wireless and sensor network security
- Access control
- Smart public safety and security
- Cyberspace security, privacy and trust
- Intelligent environmental protection
- Autonomous healthcare and assistance
- Privacy and security of sensitive data (e.g. healthcare data)

Important Dates

Paper submission due: **September 15, 2019**

Author notification: **October 15, 2019**

Camera Ready due: **October 25, 2019**

Registration: **October 30, 2019**

Conference: **December 16-18, 2019**

Organizing Committee

General Chairs
- Kim-Kwang Raymond Choo, Univ. of Texas at SA, USA
- Ravi Sandhu, Univ. of Texas at SA, USA

Executive Genenal Chairs
- Weishan Zhang, China Univ. of Petroleum, China
- Huansheng Ning, Univ. of Sci. and Tech. Beijing, China

Program Chairs
- Rongxing Lu, University of New Brunswick, Canada
- J. Christopher Westland, University of Illinois – Chicago, USA

Program Vice Chairs
- Richard Hill, University of Huddersfield, UK
- Octavio Loyola-González, Tecnologico de Monterrey, Mexico
- Qi Zhang, IBM T J Watson, USA
- Constantinos Patsakis, University of Piraeus, Greece
- Giancarlo Fortino, University of Calabria, Italy
- Cuneyt Gurcan Akcora, University of Texas at Dallas, USA

Workshop Chairs
- Qinghua Lu, CSIRO, Australia
- Shaohua Wan, Zhongnan Univ.of Economics and Law, China
- Sahraoui Dhelim, Univ. of Sci. and Tech. Beijing, China

Publicity Chairs
- Ata Ullah National University of Modern Languages, Pakistan
- Miguel Angel Medina Perez, Tecnologico de Monterrey, Mexico
- Bradley Glisson, Sam Houston State University, USA
- Haijing Hao, Bentley University, USA
- Pengfei Hu, China Mobile Research Institute, China

Steering Committee
- Chonggang Wang, InterDigital, USA
- Chunming Rong, University of Stavanger, Norway
- Huansheng Ning, Univ. of Sci. and Tech. Beijing, China
- Liming Chen, De Montfort University, UK
- Mahmoud Daneshmand, Stevens Institute of Technology, USA

Please contact us via

Tel: +86-10-62333406

Email: conf_CyberDI@163.com (CC to conf.CyberDI@gmail.com)

Submit as PDF via the submission system: **https://edas.info/N26501.**

Accepted conference papers will be rapidly (1-2 months) published in Springer CCIS and indexed by EI Compendex and Scopus. At least one author of each accepted paper is required to register and present their work at the conference; otherwise the paper will not be included in the proceedings. More submission instructions can be found via: http://www.cybermatics.org/CyberCon/CyberDI2019/submission.html