The 13th International Conference on Advances in Information Technology

Digital Transformation

Technologies Shaping and Driving the New Normal



The theme for 2023 is "Digital Transformation: Technologies Shaping and Driving the New Normal". The COVID-19 pandemic has accelerated the growth and adoption of new technologies and digital products worldwide due to which organizations are focusing on emerging technologies like Al/ML, cybersecurity, data science, etc. The pandemic has shown us that in every sector ranging from healthcare, education, retail, finance to transportation; companies and organizations that have adopted digital initiatives and emerging technologies have become sustainable and kept themselves ahead of the learning curve. Therefore, in this upcoming edition of the conference we plan to focus on these digital transformation aspects and how these may impact the people and society. By incorporating a variety of related topics, IAIT2023 aims to create and promote more inter-departmental and inter-disciplinary research ideas and knowledge.

INTERNATIONAL ADVISORY BOARD

- Borworn Papasratorn, King Mongkut's University of Technology Thonburi, Thailand

ISI Web of Science (Thompson Reuters), Ei Compendex, etc.

- Himanshu Thapliyal, University of Kentucky, United States Irwin King, The Chinese University of Hong Kong, Hong Kong Jonathan H. Chan, King Mongkut's University of Technology Thonburi,Thailand Lance Chun Che Fung, Murdoch University, Australia

- Pascal Bourry, University of Luxembourg, Luxembourg
 Sansanee Auephamwiriyakul, Chiang Mai University, Thailand
 Simon Fong, University of Macau, Macau
 Thepchai Supnithi, National Electronics and Computer Technology Center, Thailand
 Thinagaran Perumal, Universiti Putra Malaysia, Malaysia
- Xiangmin Zhang, Wayne State University, United States

GENERAL CHAIR

Narongrit Waraporn, King Mongkut's University of Technology Thonburi, Thailand

PROGRAM COMMITTEE CHAIR

- Bunthit Watanapa, King Mongkut's University of Technology Thonburi, Thailand Mark Chignell, University of Toronto, Canada

- International Relation Chair: Chonlameth Arpnikanondt, King Mongkut's University of
- Finance Chair: Vajirasak Vanijja, King Mongkut's University of Technology Thonburi,
- Thailand
 Organizing Committee Chair: Suree Funilkul, King Mongkut's University of Technology
- Publications Chair: Debajyoti Pal, King Mongkut's University of Technology Thonburi,
- Publicity and Virtual Exhibits Chair: Tuul Triyason, King Mongkut's University of Technology Thonburi, Thailand

INTERNATIONAL PROGRAM COMMITTEE

- Albena Dimitrova Mihovska, Aarhus University, Denmark

- Albena Dimitrova Mihovska, Aarhus University, Denmark
 Ambuj Kumar, Aarhus University, Denmark
 Ashish Ghosh, Indian Statistical Institute, India
 Badri Narayan Subudhi, Indian Institute of Technology Jammu, India
 Cathal Gurrin, Dublin City University, Ireland
 Cheong Ghil Kim, Namseoul University, South Korea
 Claudio Angione, Teesside University, Ottied Kingdom
 Guohui Xiao, Free University of Bozen-Bolzano, Italy
 Indrajit Bannerjee, Indian Institute of Engineering Science and Research, Shibpur, India
 Jari Hautamaki, JAMK University of Applied Sciences, Finland
 Jean-François Couchd: University of Franche-Comfé France

- Jari Hautaman, JAMK University of Applied Sciences, Finland Jean-Francois Couchot, University of Franche-Comté, France Jie Zhang, Newcastle University, UK Julia Neidhardt, Vienna University of Technology, Austria Justin Dauwels, Nanyang Technological University, Singapore Kazushi Ikeda, Nara Institute of Science and Technology, Japan

- Marzia Hoque Tania, University of Oxford, United Kingdom Mohammad Abdur Razzaque, Teesside University, United Kingdom Masaru Fukushi, Yamaguchi University, Japan

- Osama halabi, Qatar University, Qatar
 Pranab Roy, J.K. Laxmipat University, Jaipur, India
 Pruthikrai Mahatanankoon, Illinois State University, United States
 Rajarshi Pal, Institute for Development and Research in Banking Technology, India
 Ruxandra L. Costea, Polytechnic University of Bucharest, Bucharest, Romania
- Sudip Ghosh, Indian Institute of Engineering Science and Technology, Shibpur, India Susmita Ghosh, Jadavpur University, India Worrawat Engchuan, The Centre for Applied Genomics, Sickkids Hospital, Canada Yu-Tso Chen, National United University, Taiwan

IMPORTANT

Date of Conference : Paper Submission Deadline :

30 October, 2023 25 November, 2023

10 November, 2023

20 September, 2023

COMPUTATIONAL INTELLIGENCE

- » Artificial Intelligence for Brain Informatics » Brain Computer Interface
- » Computational Intelligence in action (IoT, Medical Systems, Military Systems, Navigation Systems,

- » Data Analysis and Pattern Recognition» Social Implications of Technology
- » Deep learning, and emerging models

MIXED REALITY APPLICATIONS

- » 3D interaction in VR environments
 » Design of Inclusive Systems
 » Collaborative Thinking

- » Creative Process
 » Emotional and Affective Design
 » Design for the Elderly
 » Design of Inclusive Human-Machine Systems
 » Inclusion for Real-world Applications

- » Human diversity in the techno-sphere
 » Applications of XR technologies in various domains like

- » Emotional Aspects in Social Networking System » Ubiquitous Computing

TRACK IV: HUMAN-TECHNOLOGY AND FUTURE OF WORK

- » HCI Design Theories and Methods» User Experience (UX) and Usability

- » Novel Interaction Technology » Models for Cyber Physical Systems
- » Interactions and Visualization of Data » Emerging Ubiquitous, Handheld, and Context-aware Interactions

TRACK V: DIGITAL LEADERSHIP, STRATEGIES AND SMART SOCIETY

- » Digital Strategy Formulation» Agile Methodologies

- » E-governance: Economics and Development
 » Smart Manufacturing
 » Scalability of Digital Entrepreneurship
 addressing Global Challenges
 » Web Intelligence and Recommender Systems

- PRIVACY AND AI

 - » AI/CS Security (e.g., adversarial machine learning) » Autonomous Vehicles and Devices » Blockchain and Distributed Ledger Security

 - » Digital Forensics
 » Privacy and Risks in VR/AR/Metaverse
 » Al for Detecting and Preventing issues like
 Cyber-harassment, Suicide, Sexting, etc.

- Wearable Devices in Sports and healthcare
 Digital Human Modeling
 Emotional User Experience
 Social and Organizational Computing
 Accessibility for the Elderly

- » Kansei Engineering for Product and Service
 » Affective computing
- - ENGINEERING
 - » Data Flow and Streaming for Realtime Al » ETL and Data Operations on Data Lake » Data Modelling and Engineering for Big Data » Data-driven Decision Making
 - Development

 » Al for Software Engineering and

