# BTAS 2022

## Special Session on Blockchain Technology and Applications for Sustainability

at the 14th Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)
Almaty, Kazakhstan, June 6-9, 2022
Conference website: http://www.aciids.pwr.edu.pl/

## Special Session Organizers

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## Objectives and topics

Sustainable development and positive outcomes of the balance between environment, society, and business are considered essential requirements in the Industry 4.0 era. Therefore, to enhance sustainability performance many industries have been already adopted various technologies and applications such as blockchain, big data analytics, artificial intelligence, lean manufacturing, or six sigma. However, among all of the technologies, blockchain is one of the fastest-growing and effective digital technology that drive positive impact at an immense scale by the align network value creation through participation in the network and enabling an incentive system that can bring benefits to the entire network. Transparency, privacy, smart contracts, process efficiency, and automation are core competencies of blockchain technology that can be leveraged to deliver sustainable development in different industries. Blockchain-based applications have the potential to address the key challenges and opportunities in enhancing positive social and environmental impact, especially in the health, finance energy, transport, and agriculture industries. Although blockchain transactions are secured and trusted, it is also considered a highly energy-intensive technology. Therefore, It is necessary to balance the longer-term benefits against the urgent need to reduce fossil fuel consumption and consider applications of other digital technologies for sustainable development. This session aims to propose researchers and practitioners a possibility to deeply dive into the topic linked to digital technologies and sustainability to identify new promising solutions and directions. The scope of the session includes, but is not limited to the following topics:

- Green supply chain management
- Digital ledger technology and sustainable development
- Smart contracts for sustainability in supply chains
- Smart supply chains
- Blockchain-based models for sustainable development
- Next-Generation Digital Supply Chain
- Blockchain as a power for sustainable development
- Blockchain and sustainable growth
- A social business blockchain
- Digital technology adoption on business/ environmental/social sustainability
- Big data analytics for sustainability
- Artificial Intelligence and sustainable development
- Impact of Artificial Intelligence on sustainability.

## Important dates

Submission of papers: **15 January 2022**
Notification of acceptance: **1 March 2022**
Camera-ready papers: **15 March 2022**
Registration & payment: **15 March 2022**
Conference date: **6-9 June 2022**

## Program Committee (to be invited)

Prof. Cheng-Yuan Ku, National Chiao Tung University, Taiwan
Prof. Anna Visvizi, The American College of Greece, Greece
Prof. Thi Minh Ly Pham, Ton Duc Thang University, Vietnam
Prof. Ashir Ahmed, Kyushu University, Japan
Prof. M. Jahangir Alam Chowdhury, University of Dhaka, Bangladesh
Prof. Kwok Tai CHUI, Hong Kong Metropolitan University, Hong Kong SAR
Prof. Ya-Han Hu, National Central University, Taiwan
Dr. Phung Phi Tran, Ton Duc Thang University, Vietnam
Prof. Kim Trottier, HEC Montreal, Canada

## Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***BTAS 2022: Special Session on Blockchain Technology and Applications for Sustainability.***

https://easychair.org/conferences/?conf=aciids2022

Authors are invited to submit original previously unpublished research papers written in English, of up to 13 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at Springer's web site. Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the BTAS 2022 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).