



BRINGING PEOPLE TOGETHER
8th ICO 2024
Sheraton Surabaya Hotel & Towers
Indonesia

Publication: The peer-reviewed and accepted papers of ICO 2024 will be published as Book Chapters in the Springer Nature, Lecture Notes in Networks and Systems (Scimago, Q4). International Program Committee (IPC) will select high-quality papers for further review and publication in SCOPUS and WoS/ISI/ESCI journals.

Special Session: **The Evolving Landscape of ICT, Digital Economy and Cyber Security**

The past decade has witnessed a vast growth in the amount of data produced and the proliferation of ICT technologies in a wide range of areas including business, industry, medicine, science and society. Big Data and Emerging Technologies are becoming increasingly important in innovations in business, health, and scientific domains. Knowledge discovery, process improvement, resource optimization, and the transformation of data into valuable information have gained primary attention in the field of research and development. The objective of this special session is to provide a forum for industrial practitioners, academicians, and researchers working in the field of Big Data Systems, ICT technologies, and emerging technologies to discuss innovations, applications, issues, and the challenges of these systems in the developing countries.

Special Session Organizers

Dr. Pradeep Sapkota, Assistant Professor, School of Business, Pokhara University

Er. Ranjan Adhikari, Assistant Professor, School of Engineering, Pokhara University

Er. Sandeep Adhikari, Sr. Software Engineer, Deerwalk Technologies, Kathmandu, Nepal

Themes for the Special Session

ICT (Information and Communication Technology)

- **Infrastructure and Networks:**
Focusing on the physical and hardware aspects of ICT, including network

architecture, data centers, and communication channels.

- **Software and Applications:**
Exploring the range of software solutions, from enterprise systems to mobile applications, including development, deployment, and maintenance.
- **Data Management and Analytics:**
Investigating how data is managed, stored, and analyzed, covering topics like big data, data mining, and machine learning.

Digital Economy

- **E-Commerce and Online Markets:**
- **Discussing the mechanisms, platforms, and trends in online trade, including B2B, B2C, and C2C models.**
- **Digital Finance and Cryptocurrencies:**
Covering the impact of digital technologies on finance, including mobile banking, digital currencies, and blockchain technology.
- **Digital Marketing and Social Media:**
Examining how digital channels are used for marketing, brand building, and customer engagement.

Cyber Security

- **Threats and Vulnerability Assessment:**
Exploring the various cyber threats, including malware, phishing, and DDoS attacks, and methods for vulnerability assessment.
- **Security Technologies and Practices:**
Discussing security solutions like firewalls, encryption, and intrusion detection systems, as well as best practices in implementing them.
- **Legal and Ethical Aspects:**
Considering the legal framework governing cyber security, privacy issues, and ethical considerations in the digital age.

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