



SKIMA 2024

16th Int **IEEE** (Tech Co-sponsor) Conf on **Software, Knowledge, Information Management & Applications**
(With the International Workshop-Cum-Training on Safety and Assurance of AI Systems)

9-11 December 2024, Universitas Merdeka Malang, Malang, **Indonesia**

(<http://skimanetwork.org>)

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Submission Guidelines

Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or a journal. Full papers (up to 6 camera-ready pages, 10 pt. font in IEEE format) should present novel perspectives within the general scope of the conference. All papers must include title, complete contact information for all authors, abstract, and keywords on the cover page. Paper submission will be reviewed and evaluated based on its originality, technical quality, and relevance to the conference. Conference content will be submitted for inclusion into IEEE Xplore (pending approval) as well as other Abstracting and Indexing (A&I) databases. The accepted paper must be registered and presented in the conference to be included into IEEE Xplore. Selected papers will be invited to extend to publish in high-quality journals.

Important Dates:

Special session & tutorial proposal:	15 August 2024
Full Paper submission deadline:	15 August 2024
Notification of paper acceptance:	1 October 2024
Camera ready paper deadline:	1 November 2024
Conference	9-11 December 2024

The International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2024) is going to be held 9-11 December in Malang, Indonesia. The conference aims to bring together researchers and experts in Knowledge Management, Software Engineering, and Information Systems to share their ideas, experiences, and insights. We welcome researchers and practitioners from academia, industries, research institutions, R&D enterprise services and governmental organisations to exchange innovative contributions around the conference topics. This conference series was started in an international collaboration context between research professionals in Western and Asian countries in Chiang Mai, Thailand 2006. Subsequently, the next SKIMA conferences were organised in Kathmandu, Nepal in 2008; Fez, Morocco in 2009; Paro, Bhutan in 2010; Benevento, Italy in 2011, Chengdu, China in 2012, Chiang Mai Thailand in 2013, Dhaka, Bangladesh in 2014, Kathmandu Nepal in 2015, Chengdu China 2016, Colombo Sri Lanka in 2017, Phnom Penh, Cambodia in 2018, Maldives 2019, Phnom Penh, Cambodia 2022 and Kuala Lumpur, Malaysia In 2023. Safety & Assurance of AI Systems will be one of the main focused areas of SKIMA 2024. The research topics of SKIMA 2024 are very significant for developed and fast-growing region. The topics include but are not limited to:

- Artificial Intelligence (AI)
- Generative AI
- Large Language Models
- AR/VR/Immersive Technology
- Data Mining/Engineering/Sc.
- Decision Support Systems
- Business Intelligence
- Blockchain technology
- Cloud computing
- Cyber Security
- Educational Technology
- Enterprise interoperability
- E-strategy/e-Business
- e-Tourism
- Future Internets
- Fuzzy, GA & neural systems
- Data Visualisation
- Information systems
- Intelligent manufacturing systems
- eHealth/mHealth/Digital Health
- Internet of things (IoTs)
- Knowledge Management Multi-agent systems
- Mobile technology
- Life-cycle engineering and PLM
- Network management & security
- Ontology and mapping mechanisms
- Semantic modelling
- Future of digital life
- Digital/social media marketing
- Robotics and mechatronics
- Safety and assurance of AI systems
- Sensor design, integration & fusion
- Service oriented architecture
- Smart city/village
- Smart sensors networks
- Smart home environments
- Smart vision and image processing
- Smart/Precision Agriculture
- Software engineering
- Supply chains & logistics management
- System and Information Security
- Wireless & telecommunications

Workshop-Cum-Training on Safety and Assurance of AI Systems

Workshop Co-Chairs: Alamgir Hossain & Keshav Dahal

Because of the rapid adoption of AI systems, the safety and operational assurance associated with technical, ethical and legal risks of AI systems in all organisations is constantly changing and evolving. Therefore, a comprehensive management strategy is required to avoid operational/reputational damage and facilitate legal compliance. This workshop aims to provide an understanding of AI safety principles, techniques, and best practices while addressing ethical and social implications. It targets AI executives, practitioners, researchers, engineers, and professionals. It will be a three-hour session that includes: (i) an introduction to AI systems and safety and assurance of AI systems, (ii) methodologies and techniques, (iii) AI ethics and social implications, (iv) Cyberattacks related to Safety and Assurance of AI Systems, (v) ethical Issues and Risks of using language models (e.g., ChatGPT) and (vi) Case studies. Only 25 participants (first cum first serve basis) will be considered from the business, industries, education, health and finance sectors).