



## SKIMA 2019

International Conference on **Software, Knowledge, Information Management and Applications**  
(with The International Workshop on Applied Artificial Intelligence - AI 2019 Maldives)

26-28 August 2019, Island of Ulkulhas, Maldives

([www.skimanetwork.info](http://www.skimanetwork.info) and <https://aimaldives.mv/>)

### Advisory Board

Nauman ASLAM, Northumbria University, UK  
Nopasit CHAKPITAK, Chiang Mai University, Thailand  
Alamgir HOSSAIN, Anglia Ruskin University, UK  
Yacine OUZROUT, University of Lyon 2, France  
Zoltán SZABO, Budapesti Corvinus Egyetem, Hungary

### General Chairs

Hassan UGAIL, University of Bradford, UK  
Keshav DAHAL, University of the West of Scotland, UK  
Andres IGLESIAS, University of Cantabria, Spain.

### Program Chairs

Tomasz SIEWIERSKI, Lodz University of Technology, Poland  
Aicha SEKHARI, University of Lyon 2, France  
Suyesh BHATTARAI, University of the West of Scotland, UK

### Finance Chair

Rameshwar RIJAL, Kantipur Engineering College, Nepal

### Publication Chairs

Nauman ASLAM, Northumbria University, UK  
Napaporn REEVEERAKUL, Chiang Mai University Thailand

### Publicity Chairs

Dewan FARID, United International University, Bangladesh  
Ingrid RUGGE, University of Bremen, Germany  
Syed Akhter HOSSAIN, DIU, Bangladesh  
Teresa GONCALVES, University of Evora, Portugal  
Rabindra BISTA, Kathmandu University, Nepal  
Wenbing CHEN, NUIST, Nanjing, China  
Subrata DUTTA, NIT Jamshedpur, India  
Seingheng HUL, Institute of Technology of Cambodia  
Amir QAYYUM, CUST, Pakistan  
Ruhul SARKER, University of New South Wales, Australia  
Pradorn SUREEPHONG, Chiang Mai University Thailand

### Web-System Chair

Tek Narayan ADHIKARI, Kantipur Engineering College, Nepal

### 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Authors are invited to submit papers describing original, previously unpublished work, not currently under review by another conference, workshop, or a journal.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 8 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 (approval pending) 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.

SKIMA 2019 is also organising a special workshop AI 2019 Maldives – The International Workshop on Applied Artificial Intelligence as a part of the conference. SKIMA 2019 also invites proposals for Special sessions and tutorials in all relevant areas. Sessions can cover any of the established topics as well as emerging subfields. Please send one page proposal with a title and brief description of the session and tutorial contents.

### Important Dates:

Special session and tutorial proposal 31 March 2019  
Paper submission deadline 30 April 2019

Notification of paper acceptance 30 June 2019  
Camera ready paper deadline 31 July 2019  
Conference 26-28 August 2019

The International Conference on Software, Knowledge, Information Management and Applications (SKIMA 2019) is going to be held from 26 to 28 August 2019 in Island of Ulkulhas, Maldives. 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 organized 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 and Phnom Penh, Cambodia in 2018. Applied Artificial Intelligence will be one of the focused areas of SKIMA 2019 with a special workshop (AI-2019 Maldives) as a part of the conference. The research topics of SKIMA 2019 are very significant for developed and fast growing region. The topics include but are not limited to:

- Applied Artificial Intelligence
- Agile and Complex systems
- Medical Informatics & eHealth
- Big data
- Business ecosystems modelling & simulation
- Business intelligence
- Cloud computing
- Collaborative systems
- Complex system management
- Data engineering & mining
- Distribution systems & strategies
- E-Learning & technology enhanced learning
- Enterprise interoperability
- E-strategy & e-Business models
- e-Tourism
- Future Internets
- Fuzzy, GA & neural systems
- Information search & retrieval
- Information interfaces & presentation
- Information systems & infrastructure
- Intelligent manufacturing systems
- Internet of things
- KM techniques & Multi-agent systems
- Knowledge based entrepreneurship
- Mobile technology
- Life-cycle engineering and PLM
- Modern production management & mechatronics
- Multi-level multi-objective optimization
- Network-based computing systems
- Network management & security
- Next generation of infrastructure
- Ontology and mapping mechanisms
- Representation techniques to semantic modelling
- Research informed learning & teaching
- Robotics and mechatronics
- Sensor design, integration & fusion
- Service oriented architecture
- Smart sensors networks
- Smart home environments
- Smart vision and image processing
- Software engineering
- Supply chains & logistics management
- System and Information Security
- Technology enhanced learning
- Travel search & meta-search
- Website design/evaluation
- Wireless & telecommunications

Contact E-mail: [2019skima@gmail.com](mailto:2019skima@gmail.com)