



# The 15th International Workshop on Artificial Intelligence & Cyber Security (AICS 2022)

Nov 22-26, 2022, Delhi, India

co-located with ICONIP 2022

<https://aicdemo.digitalforce.co.nz>

## *Towards secure, explainable, and trustworthy Artificial Intelligence*

### Organizing Chairs:

Mamatha Balachandra, India  
Harith Al-Sahaf, New Zealand  
Kok-Lim Alvin Yau, Malaysia

### Organizing Members:

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Iqbal Gondal, Australia  
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Tao Ban, Japan  
Jungsook Song, Korea  
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### Important dates:

Paper submission: Jun 15, 2022  
Notification of acceptance: Aug 15, 2022  
Camera-ready submission: Aug 31, 2022  
Workshop date: Nov 22-26, 2022

### Co-organizers:

National Institute of Information and Communications Technology, Japan

### Co-sponsors:

Federation University, Australia

### Technical Co-sponsors:

International Cyber Security Data-mining Society (ICSDS)  
International Neural Network Society (INNS)  
Asia Pacific Neural Network Society (APNNS)

### Call for Papers

You are cordially invited to submit papers to the 15<sup>th</sup> International Workshop on Artificial Intelligence and Cyber Security (AICS 2022), which is co-located with the 29<sup>th</sup> International Conference on Neural Information Processing (ICONIP 2022) as a special event. ICONIP will be held in the beautiful capital of India, Delhi on November 22–26, 2022.

The International Workshop on Artificial Intelligence and Cyber Security (AICS 2022) is previously known as the International Data Mining and Cybersecurity Workshop (DMC), which had been held for ten consecutive years. The AICS workshop aims to raise the awareness of cyber security, promote the use of artificial intelligence (AI) for securing industrial applications, and give young researchers an exposure to key issues and research works in AI and cyber security. AICS 2022 will provide a forum for researchers, security experts, engineers, and students an opportunity to present their latest research, share ideas, and discuss future directions in the fields of data mining, AI, machine learning, and cyber security. Topics of interest include, but are not limited to:

#### AI for cyber security systems:

- AI for trust, privacy, reliability
- Explainable AI for cyber security
- AI for authentication, authorization, accounting
- AI for anomaly detection, prevention, and mitigation

#### Cyber security for AI systems:

- AI attacks and their countermeasures
- Exploiting the vulnerabilities of AI applications and their countermeasures
- Risk management and security analysis of AI systems
- Digital forensic of AI systems

#### Applications of AI and cyber security:

- Wireless networks
- Big data applications
- Cyber-physical systems
- Smart cities
- E-Health
- Social networks
- Modeling and performance analysis
- Proof of concept, test bed for experiment
- System architecture

**Paper Submission and Publication:** The workshop solicits novel research and industry papers relating to AI and cyber security. A paper will normally be 8 – 10 pages long and should be in the Springer LNCS format. All papers should be submitted via the ICONIP 2022 submission website and indicated with AICS 2022 in the options list. Like previous years, all accepted papers to be published in the Springer series of Lecture Notes in Computer Science (LNCS) and Communications in Computer and Information Science (CCIS).

For more information on venue, accommodation, and travel, please refer to the conference website at <https://aics.csmining.org>.

