The i2AI session **on ECTI DAMT and NCON 2022**

Special Session: Innovative Applications of Artificial Intelligence (i2AI)

Abstract

The Innovative Applications of Artificial Intelligence (I2AI) will focus on basic concepts, methodologies, and successful applications of AI technology. The conference will use technical papers, challenge papers, invited talks, and panel discussions to explore issues, methods, and lessons learned in the development and deployment of AI applications; and to promote an interchange of ideas between basic and applied AI.

This special session will bring all intelligent issues from a diverse group of people working on real world systems for commercial, industrial and academic applications. People from different background will share idea and experience by presenting the study and results leading to intelligent innovation, knowledge and applications. The committee from many different countries will be part of the selection process to bring the best speakers together in this session.

Motivation, Impact, and Expected outcome of this session

The adoption of Artificial Intelligent (AI) technology, and in particular of its most challenging components like information and intelligent which can constitute the basic building blocks for a variety of applications within the intelligent world.

The combination of the emerging information technologies such as information retrieval, computer vision, expert systems, social network analysis, and big data analytics lets us transform everyday information into smart knowledge applications.

The goal of this session will bring all intelligent applications from a diverse group of people from industry and academia. As artificial intelligence matures, it is gradually embedded in the environment. AI goes beyond conventional information to cover a complex and dynamic environment composed of multiple artifacts.

Authors are solicited to contribute to this session by submitting papers that illustrate research results, projects, surveying works, and industrial experiences that describe significant advances in intelligent computing and business applications of information systems.

Topics for the session include, but are not limited to:
- Applied mathematics and engineering research in AI
- Artificial Intelligence tools and applications
- Automated reasoning and automation
- Computer vision and Image processing
- Concept and data mining
- Control theory for intelligent evolution
- Data analytic and machine learning
- Deep learning
- Diagnosis with artificial intelligence
- Game artificial intelligence and computer game bot

- Game theory and strategic planning
- Geospatial artificial intelligence
- Image recognition and image classification
- IoT application and services
- IoT Mobility, localization, tracking and security
- Knowledge management
- Mobile intelligence applications
- Natural language processing, translation and chatterbots
- Pervasive computing and ambient intelligence
- Semantic web techniques and technologies
- Sensor integration, fusion, and perception
- Soft computing theory and applications
- The role of artificial intelligence in software engineering
- Virtual reality applications Web intelligence applications and search
- Artificial Intelligence in E-Learning

Format

One days (Preferred date: 26-28 January 2022)

Tentative schedule (what will be the balance between contributed and invited talks, posters, panel discussions, etc...)

Ten contributed talks spreading over 1 days of the session.

Tentative Website URL

TBA

Conference history (is this the first edition of the session?)

First edition of the conference. The organizers have experience in variety of conferences and workshops, including RIA in ICDAMT2016, i2AI in ECTI- NCON 2019, i2AI in ECTI- NCON 2018, AIAMT in ICDAMT2018, IWAIIP in SITIS2017, IWAIIP in SITIS2016, IWCVA in SITIS2015 and SSAI in SNLP 2016.
All publications have been peer reviewed from at least 2-3 reviewers, and at least 2 reviews were recorded for
each paper. Others organized conferences are including PRICAI2016, iSAI-NLP2017and iSAI-NLP2018.

Session Co-Chairs

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