

## CoSenseAI 2021

### Special Session on Commonsense Knowledge, Reasoning and Programming in Artificial Intelligence

at the 13<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2021)

Phuket, Thailand, April 7-10, 2021

Conference website: <http://www.aciids.pwr.edu.pl/>

### Special Session Organizers

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### Objectives and topics

Recent advances in machine learning (ML) have seen the emergence of society-transforming AI applications. However, side-stepped areas such as common sense and self-explanatory AI are considered the next leap in the evolution of AI from narrowly focused to more human-like intelligent systems. The CoSenseAI 2021 Special Session at the 13<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2021) is devoted to offering an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the CoSenseAI 2021 includes, but is not limited to the following topics:

- New forms and advances of commonsense reasoning
- New forms and advances of knowledge representation
- Interface and interconnection between commonsense AI and ML
- Explainable AI and transparent AI
- Commonsense programming
- Optimization of AI/ML algorithms
- Application of AI/ML in optimization problems
- Self-regulatory AI (e.g. with common sense)
- Concepts of mental agents
- Cognitive AI
- Crowd sourcing for automated knowledge acquisition
- Complex networks in AI for analysis, reasoning and knowledge representation
- Analysis of AI systems (neural networks, Machine Learning, etc.)
- Challenges of commonsense AI (e.g. ambiguity resolution)
- AI standardization and regulatory challenges

## Important dates

Submission of papers:	<b>1 October 2020</b>
Notification of acceptance:	<b>15 November 2020</b>
Camera-ready papers:	<b>15 November 2020</b>
Registration & payment:	<b>15 December 2020</b>
Conference date:	<b>7-10 April 2021</b>

## Program Committee (to be invited)

Roland Bouffanais, Singapore University of Technology and Design, Singapore  
Ronaldo Menezes, University of Exeter, UK  
Apivadee Piyatumrong, NECTEC, Thailand  
M. Ilhan Akbas, Embry-Riddle Aeronautical University, USA  
Christoph Benz Müller, Freie Universität Berlin, Germany  
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Jundong Chen, Dickinson State University, USA  
Emmanuel Kieffer, University of Luxembourg, Luxembourg  
Fang-Jing Wu, Technical University Dortmund, Germany  
Umer Wasim, University of Luxembourg, Luxembourg

## Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: **CoSenseAI 2021: Special Session on Commonsense Knowledge, Reasoning and Programming in Artificial Intelligence.**

<https://easychair.org/conferences/?conf=aciids2021>

Authors are invited to submit original previously unpublished research papers written in English, of up to 12 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the CoSenseAI 2021 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).