IMCL2023

"Smart Mobile Communication & Artificial Intelligence"

Porto Palace Hotel*, Thessaloniki, 9–10 November 2023
* IMCL2023 is planned as an onsite event. Remote presentations will be supported.

Special Session Call for Papers

Advances in Generative AI to enrich Mobile Technologies (AGAITEMOT)

Overview

Generative Deep Learning is a subset of Artificial Intelligence (AI) that helps learning from all previous data for generating new data, new content. Generative AI is based on Deep learning algorithms and is a time-honored approach to generate multi-modal new data (text, images, video, 3D and combination) based on an intensive training, where many features of the population of interest are considered simultaneously. AGAITEMOT will provide an excellent international forum for sharing knowledge and results in theory, methodology and applications of Generative AI & Mobile Technologies. Generative AI solutions in and with mobile technologies will enlarge the application field of AI in health, education, service, transport etc. This session seeks significant contributions to all major fields of the generative Deep Learning in theoretical and practical aspects. The aim is to provide a platform to the researchers and practitioners from both academia and industry to meet and share cutting-edge development in the field.

Authors are solicited to contribute by submitting articles that illustrate research results, projects, surveying works and industrial experiences.

Topics

The topics of this special issue relate to the use of technology in education at all academic levels, including the following areas (but not limited to):

- Generative Machine Learning in general
- Deep Learning (architectures, models, performance etc.)
- Graph Neural Networks and Generative AI
- Trustworthy Generative Machine Learning (accountability, causality, fairness, privacy, robustness, etc.)
- The potentials of 5G and 6G for mobile learning using multi-modal generative AI
- Applications (medicine, healthcare, smart cities, cybersecurity, social good, climate science, etc.).
- Generative AI technologies in mobile education.
- The rise of LLMs and the potential of AI to transform engineering education.

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Dr.-Ing. Walid Hussein, The British University in Egypt, Egypt, walid.hussein@bue.edu.eg

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Ahmad Mostafa, The British University in Egypt, Egypt, ahmad.mostafa@bue.edu.eg
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Dagiuklas Anastasios, London South Bank University, UK, tdagiuklas@lsbu.ac.uk
Dominik May, College of Engineering at University of Georgia, USA, dominik.may@uga.edu
Doru Ursutiu, Transilvania University of Brasov, Romania, udoru@unitbv.ro
Mudasser F. Wyne, National University, San Diego, CA, USA, mwyne@nu.edu
Muddesar Iqbal, London South Bank University, UK, m.iqbal@lsbu.ac.uk
Mario Bocchicchio, University of Bari, Italy, mario.bocchichio@uniba.it
Maria Isabel Pozzo, National Technological University, Argentina, pozzo@irice-conicet.gov.ar
Yevgeniya Sulema, Technical University of Kyiv, Ukraine, sulema@pzks.fpm.kpi.ua
Unai Hernandez-Jayo, University of Deusto, Spain, unai.hernandez@deusto.es

Contribution Types
Special sessions, held in parallel with the general conference, are an integral part of the conference. Special sessions papers are required to meet the same standards as papers in the general conference and are published in the same conference proceedings.
The length of special session papers is 8-10 pages.

Presentation Types
IMCL2023 is planned as an onsite event. However, distant/pre-recorded presentations for special session papers are supported.

Proceedings
All special session paper submissions are subject to a double-blind reviewing process. Only accepted and presented special session papers will appear in the proceedings if they have been uploaded before the deadlines. The conference proceedings will be published as IMCL2023 Proceedings in the Springer series "Lecture Notes in Networks and Systems".
More info is available at: https://www.imcl-conference.org/current/proceedings.php

Important Dates
17 Jul 2023   Submission of complete papers for special sessions

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31 Jul 2023   Notification of acceptance
13 Sep 2023   Camera-ready due & author registration deadline
09 Nov 2023   IMCL2023 Conference Opening

More info is available at: https://www.imcl-conference.org/current/deadlines.php

Submission

Please visit: https://www.conftool.org/imcl-conference-2023/ and submit your paper by selecting the respective special session.