

2027 13th International Conference on Computer Technology Applications

June 2-4, 2027 / Vienna, Austria

Organized by

FH JOANNEUM University of Applied Sciences

ICCTA 2027

https://www.iccta.net/

Track 3: Computational Intelligence and AI Techniques

Rapid advances in computational intelligence and artificial intelligence are reshaping the paradigms of system modeling, decision-making, perception and optimization across a wide range of engineering and social domains. Driven by massive multi-source data and growing computing capabilities, intelligent technologies unlock new potential for complex problem solving, automated reasoning and adaptive system control. While the rapid deployment of AI and computational intelligence brings remarkable performance gains, it also raises non-trivial challenges including model generalization, uncertainty reasoning, computational efficiency, reliability and trustworthy decision-making. This track welcomes high-quality original submissions addressing innovative theories, algorithmic frameworks, practical implementations and empirical case studies of computational intelligence and AI techniques. It focuses on intelligent methodologies for tackling complicated real-world problems, covering learning systems, heuristic optimization, intelligent perception, data-driven modeling and AI-enabled intelligent services in diverse application scenarios. This track aims to bring together academic researchers and industry practitioners worldwide to exchange cutting-edge research findings, discuss existing technical bottlenecks and practical challenges, and promote robust, interpretable and deployable intelligent solutions to facilitate the sustainable development of computational intelligence and artificial intelligence.

Chair



Ahed Abugabah

Zayed University, UAE

Vienna

Vienna, the capital city of Austria, is a stunning metropolis located in Central Europe. Known for its rich cultural heritage, imperial history, and vibrant music scene, Vienna is a popular tourist destination attracting millions of visitors every year. The city boasts of grandeur architecture, including the iconic St. Stephen's Cathedral, Hofburg Palace, and Schönbrunn Palace, which have played significant roles in European history. Vienna is also famous for being home to some of the world's most renowned classical musicians such as Mozart, Beethoven, and Strauss, and has several concert halls, theaters, and music museums. With its picturesque streets, green parks, coffee houses, and Viennese cuisine, Vienna is a city that never fails to charm its visitors.

Topics

Topics of interest include, but are not limited to:

- Algorithms and Protocols
- Parallel and Distributed Computing
- Big Data Analysis
- Meta-heuristics Algorithms
- High Performance Computing
- Natural Language Processing
- Computer Vision and Image Processing
- Intelligent Human Computer Interaction
- Scientific Computing
- Cost Modelling and Analysis

Important Date

Submission deadline: January 1, 2027

Notification of Review Result: February 5, 2027

Registration Deadline: February 20, 2027

Submission

Submission System:
https://easychair.org/conferences/?conf=iccta2027 (Select Track 2)
Email Submission Address:
iccta@outlook.com
Template:
https://www.iccta.net/ieee-conference-latex-template.zip (LaTex)
https://www.iccta.net/IEEEtemplate-word.doc (Doc.)

For more details about submission
please visit https://www.iccta.net/cfp.html

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