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FINAL CALL FOR PAPERS (IMPORTANT UPDATES)

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International Joint Conference on Rough Sets

IJCRS 2023

Krakow, Poland, October 5-8, 2023

(onsite and online)

<https://ijcrs2023.agh.edu.pl/>

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MAIN TOPICS

1. CORE ROUGH SET MODELS AND METHODS: Covering/Neighborhood-Based Rough Set Models, Decision-Theoretic Rough Set Methods, Dominance-Based Rough Set Methods, Game-Theoretic Rough Set Methods, Logic in Different Rough Set Models, Partial Rough Set Models, Rough-Bayesian Models, Rough Clustering, Rough Computing, Rough Mereology, Rough-Set-Based Feature Selection, Rule-Based Systems, Variable Consistency / Precision Rough Sets

2. RELATED METHODS AND HYBRIDIZATION: Anomaly, Outlier and Novelty Detection, Decision Support Systems, Formal Concept Analysis, Fuzzy Sets, Fuzzy Rough Sets and Rough Fuzzy Sets, Granular Computing, Intelligent Agent Models, Machine Learning, Nature-Inspired Computation Models, One-Class Classification, Petri Nets, Three-Way Decision Making, Uncertain and Approximate Reasoning, Uncertainty Theory

3. AREAS OF APPLICATIONS: Astronomy and Atmospheric Sciences, Bioinformatics, Business Intelligence, Computer Vision and Image Processing, Computing With Words, Cybernetics and Robotics, Financial Markets, Retail and E-Commerce, Interactive Computing, Knowledge Discovery, Knowledge Engineering and Representation, Risk Monitoring, Medicine and Health, Natural Language Processing, Semantic Web, Web Mining and Text Mining, Smart Cities, Telecommunications, Transportation

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KEYNOTE SPEAKERS

1. Weronika Adrian (AGH University of Krakow, Poland): Knowledge Engineering in Food Computing - Selected Problems and Applications
2. Joel Holland (DeepSeas, USA): Can AI and Big Data Methods Really Help in Cyber Security?
3. Andrzej Janusz (University of Warsaw & QED Software, Poland): Model-agnostic Explanations of Black-box Prediction Models Using Rough Sets - the Case of Post-competition Analytics at KnowledgePit.ai
4. Tianrui Li (Southwest Jiaotong University, China): Big Data Intelligence - Challenges and Our Solutions
5. Pradipta Maji (Indian Statistical Institute, Kolkata, India): Role of Color in Histological Image Analysis - Rough-Fuzzy Computing to Deep Learning
6. Sheela Ramanna (University of Winnipeg, Canada): Applications of Tolerance-based Granular Methods

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SPECIAL SESSIONS

- Innovative Foundational Models for Rough Sets, Approximate Reasoning, and Granular Computing
- Multimedia and Multimodal Data Analytics
- Data Analytics in Cybersecurity and IoT Applications

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PAPER SUBMISSION

<https://equinocs.springernature.com/service/IJCRS2023>

LNCS/LNAI Springer format

Two forms of submission and publication:

1. Full papers (12-15 pages) will be published in the LNCS/LNAI Springer post-proceedings
2. Extended abstracts (1-2 pages) will be published in the online pdf book of abstracts

Both forms will be treated equally:

- when designing the conference program of oral presentations
- when selecting materials for the special issue in one of international journals

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IMPORTANT DATES (FINAL EXTENSIONS)

- Paper submission deadline: August 31, 2023
- Notification of acceptance: September 14, 2023
- Revised version deadline: September 21, 2023
- Conference: October 5-8, 2023
- Full paper camera-ready: October 15, 2023

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ORGANIZATION

Honorary Chairs:

- Andrzej Skowron (Systems Research Institute, Polish Academy of Sciences, Poland)
- Tomasz Szmuc (AGH University of Krakow, Poland)
- Yiyu Yao (University of Regina, Canada)

Conference Chairs:

- Dominik Slezak (University of Warsaw & QED Software & DeepSeas, Poland / USA)
- Jaroslaw Was (AGH University of Krakow, Poland)
- JingTao Yao (University of Regina, Canada)

Program Chairs:

- Andrea Campagner (IRCCS Istituto Ortopedico Galeazzi, Italy)
- Oliver Urs Lenz (Ghent University, Belgium)
- Shuyin Xia (Chongqing University of Posts and Telecommunications, China)

Organization Committee:

- Tomasz Hachaj (AGH University of Krakow, Poland)
- Soma Dutta (University of Warmia and Mazury in Olsztyn, Poland)
- Marcin Piekarczyk (AGH University of Krakow, Poland)
- Lukasz Rauch (AGH University of Krakow, Poland)
- Lukasz Sosnowski (Systems Research Institute, Polish Academy of Sciences & Ditiel, Poland)
- Beata Zielosko (University of Silesia in Katowice, Poland)

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REGISTRATION FEES

1. Regular onsite: 500 EUR
2. Student onsite: 400 EUR
3. Regular online: 300 EUR
4. Student online: 200 EUR

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COMBINE WITH OTHER CONFERENCES

1. Anyone who registers for IJCRS 2023 can receive a 200 EUR discount when registering for the ECAI 2023 conference:

<https://ecai2023.eu/>

2. Anyone who registers for IJCRS 2023 can register for free for the Rough Set School organized as a part of the FedCSIS 2023 conference:

https://fedcsis.org/rough_set_school

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CONTACT

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