

Third Call For Papers: **extended deadline!**

INTERNATIONAL JOINT CONFERENCE ON ROUGH SETS

Meliá Habana hotel, Havana, Cuba, June 29 - July 3, 2020



ORGANIZED BY

[UNIVERSIDAD CENTRAL “Marta Abreu” DE LAS VILLAS \(UCLV\)](#),
[UNIVERSIDAD TECNOLÓGICA DE LA HABANA “José Antonio Echeverría” \(Cujae\)](#), and
the [INTERNATIONAL ROUGH SET SOCIETY](#)

Aim and Scope

Rough set theory (RST) is a prominent methodology within the umbrella of *Computational Intelligence* and *Granular Computing* (GrC) to handle uncertainty in inconsistent environments. RST has enjoyed widespread success in a plethora of real-world application domains and remains at the forefront of numerous theoretical studies to consolidate and augment its well-established properties.

Authors are encouraged to submit research papers describing original, previously unpublished, complete researches, which are currently not under review by another conference or journal, addressing state-of-the-art research and developments, devoted to one or more of the conference topics. Moreover, we also invite researchers who search for new tools suitable for solving their problems, and also those who would like to discuss their problems with some members of the rough set community. They are warmly welcomed to submit the results of their research or simply participate in the conference.

The International Joint Conference on Rough Sets (IJCRS2020) will take place in the [Meliá Habana](#) hotel in Havana, Cuba, from June 29 to July 3, 2020. *IJCRS2020* aims at providing a forum for exchange on RST and their applications. The symposium includes tutorials, invited key lectures and paper presentations. The goals of *IJCRS2020* are to strengthen the relationships among researchers and institutions working on RST and GrC in general, to increase awareness of these topics and to facilitate the contact between new researchers and consolidated groups. Special interest will be paid to promoting RST among the Latin American research community. IJCRS is the prime international conference sponsored by the [International Rough Set Society](#) (IRSS). IJCRS2020 encapsulates four main tracks, which refer to major threads of rough set conferences held so far:

- Rough Sets and Data Science (in relation to RSCTC series organized since 1998)
- Rough Sets and Granular Computing (in relation to RSFDGrC series organized since 1999)
- Rough Sets and Knowledge Technology (in relation to RSKT series organized since 2006)
- Rough Sets and Intelligent Systems (in relation to RSEISP series organized since 2007)

Submission Topics

Core Rough Set Models and Methods: Covering/Neighborhood-Based Rough Set Models, Decision-Theoretic Rough Set Methods, Dominance-Based Rough Set Methods, Rough-Bayesian Models, Rough Clustering, Rough Computing, Rough Mereology, Rough-Set-Based Feature Selection, Rule-Based Systems, Partial Rough Set Models, Game-Theoretic Rough Set Methods, Variable Consistency / Precision Rough Sets, Logic in Different Rough Set Models,

Related Methods and Hybridization: Artificial Intelligence, Machine Learning, Pattern Recognition, Decision Support Systems, Fuzzy Sets and Near Sets, Uncertain and Approximate Reasoning, Information Granulation, Computing With Words, Formal Concept Analysis, Petri Nets, Intelligent Agent Models, Interactive Computing, Nature-Inspired Computation Models, Natural Language Processing, Big Data Processing.

Areas of Applications: Medicine and Health, Bioinformatics, Business Intelligence, Telecommunications, Smart Cities, Transportation, Astronomy and Atmospheric Sciences, Semantic Web, Web Mining and Text Mining, Financial Markets, Retail and E-Commerce, Computer Vision and Image Processing, Cybernetics and Robotics, Knowledge Discovery, Knowledge Engineering and Representation, Risk Monitoring.

Paper submissions / Submission Guidelines

Submissions of original and previously unpublished work on RST/GrC and applications are encouraged. All papers must be original and not simultaneously submitted to another journal or conference. Submissions must be prepared in the [LCNS/LNAI Springer format](#) and have a **maximum of 15 pages**. Accepted papers will be published in the conference proceedings by Springer-Verlag in the LNCS/LNAI series, both in printed and digital forms.

Moreover, **short submissions** can be submitted (3-6 pages), if accepted, these can be presented at the conference but will not be published in the proceedings.

Each submitted paper will be reviewed by three independent reviewers and the decision on its acceptance will be based on the results of these revisions.

All papers should be submitted through [EasyChair](#).

Preliminary Program **New!**

<u>Special Session:</u> Fuzzy Logic, Formal Concept Analysis and Rough Sets	María Eugenia Cornejo Dominik Ślęzak Eloisa Ramírez-Poussa
<u>Special Session:</u> Fuzzy and Rough Cognitive Networks	Gonzalo Nápoles László Kóczy
<u>Special Session:</u> Rough sets and Matroids	Mauricio Restrepo
<u>Tutorial:</u> Comparative approaches to granularity in general rough sets	A. Mani
<u>Tutorial:</u> Fuzzy rough set classification techniques	Oliver Urs Lenz
<u>Conference:</u> Explainable AI: From Data to Symbols and Information Granules	Witold Pedrycz

Important dates

Deadline for submitting proposals for special sessions, workshops and tutorials	November 10, 2019
Notification of acceptance for special session/workshop/tutorial proposals	November 24, 2019
Deadline for submitting regular conference papers	February 26, 2020
Notification of acceptance for submitted papers	March 20, 2020
Deadline for submitting camera-ready of accepted conference papers	April 5, 2020
Deadline for early registration and conference payments (including publications of accepted papers)	April 19, 2020
IJCRS2020, Conference, Meliá Habana hotel, Havana, Cuba	June 29- July 3, 2020

Registration fee

Early registration (Before April 19)	normal 400 euros , students 300 euros
Regular registration (After April 19)	normal 450 euros , students 350 euros
Remark: registration fee covers up to two papers. Authors with more than 2 papers must pay an additional fee of 100 euros for each extra paper.	

Accommodations in Meliá Habana hotel (not mandatory)

These are special prices (one night , in CUC: cuban convertible pesos) in Meliá Habana for delegates. Please consult: e-mail: promotor.eventos4.mha@meliacuba.com , www.meliacuba.com Phone: (+53) 7204 8500, (+53) 7206 9400 (ext.5435, 5465, 5463)	
Single room / Twin/Double room / Triple room	99.20 / 124.00 / 176.70

Committees

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Please consult the page of [IJRS2020 in Easy Chair](#) or the [IJCRS2020 web page](#) for information about the venue, hotels, transportation, conference fees, payment modes and social events.