12TH INTERNATIONAL JOINT CONFERENCE ON ROUGH SETS

May 26th–29th, 2026, Cádiz (Spain)

ABOUT THE CONFERENCE

Rough Sets were introduced by Zdzisław Pawlak in the early '80s and developed further as a method of knowledge representation and processing based on uncertain data and incomplete information. Nowadays, Rough Set theory is widely recognized to have great importance in several fields, including artificial intelligence, mathematics, knowledge representation and machine learning, as evidenced by the increasing number of works concerned with its applications and theoretical foundations.

The aim of the IJCRS conference is to be the main location for disseminating novel foundational results and practical applications, enabling the discussion of problems and exchange of ideas, as well as bringing together academic and industrial perspectives, centred around rough sets and related disciplines.

TOPICS AND SCOPE OF THE CONFERENCE

Core rough set models and methods

Covering/Neighbourhood-based, Decision-theoretic, Dominance-based, Game-theoretic, Variable precision and Partial rough set models; Logic in rough set models; Rough-Bayesian models; Rough clustering; Rough computing; Rough mereology; Rough-set-based feature selection and Rule-based systems.

Related methods and hybridization

Anomaly detection; Decision support systems; Dempster-Shafer theory; Formal concept analysis; Fuzzy sets; Fuzzy rough sets and rough fuzzy sets; Granular computing; intelligent agent models; interval computations; Nature-inspired computation models; Petri nets; Rough sets in data science, AI and machine learning; Three-way decision and data analysis, Topology and matroids; Approximate reasoning; Uncertainty theory; Cognitive computing;

Areas of application

Astronomy and atmospheric sciences; Big data analytics; Business intelligence; Bioinformatics; Image processing; Cybernetics and robotics; Financial markets; Interactive computing; Knowledge engineering and representation; Medicine; Retail and E-commerce; Natural Language processing; Risk monitoring; Semantic web; Smart cities; Telecommunications; Transportation and Web mining.

COMMITTEES

General Chairs
Chris Cornelis, University of Gante, Belgium
Jesús Medina, University of Cádiz, Spain
Dominik Slezak, University of Warsaw, Poland

Program Chairs
Roberto G. Aragón, University of Cádiz, Spain
Jihong Wan, Guangdong University of Technology, China
Yiyu Yao, University of Regina, Canada

Local Organizer Committee
Fernando Chacón-Gómez, Celia Cordovilla Sánchez, Carolina Díaz-Montarroso, David Lobo Palacios, Nicolas Madrid Labrador, Samuel José Molina Ruiz and Eloísa Ramírez-Poussa.

IMPORTANT DATES

Workshops and special session proposals:
- Submission deadline: November 7, 2025.
- Notification of acceptance: November 21, 2025.

Normal contributions (full papers):
- Submission deadline: January 9, 2026.
- Notification of acceptance: February 27, 2026.

Abstracts and Key Works:
- Submission deadline: March 6, 2026.
- Notification of acceptance: March 27, 2026.

Website:
https://ijcrs2026.uca.es/

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