

# 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  
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### 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.

### Full-length papers:

- Extended submission deadline: January 9, 2026. January 31, 2026
- Notification of acceptance: March 3, 2026.

### Abstracts:

- Submission deadline: March 6, 2026.
- Notification of acceptance: March 27, 2026.

### Website:

<https://ijcrs2026.uca.es/>

