



Call for Papers

The 11th International Joint Conference on Rough Sets (IJCRS 2025)

May 11-13, 2025, Chongqing, China

<http://ijcrs2025.cqupt.edu.cn>

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The 11th International Joint Conference on Rough Sets (IJCRS 2025) will take place in Chongqing (China) from May 11 to May 13, 2025, organized by the Chongqing University of Posts and Telecommunications and Chongqing Normal University, and co-organized by CAAI Granular Computing and Knowledge Discovery Technical Committee (CAAI GCKD). IJCRS is the principal international conference sponsored by the International Rough Set Society (IRSS).

The IJCRS conference aims 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, centered around rough sets and related disciplines (such as granular computing, three-way decisions and fuzzy sets). We cordially invite you to submit the tutorial proposals by email. Any topics related to the theory and applications of artificial intelligence, data mining and uncertainty modeling are relevant. We will also organize a stream of lectures related to the theory and applications of rough set methods. This stream will be called Rough Set School.

Paper Submissions

Submissions of theoretical and applied work related to the main topics, workshops, and special sessions 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, with 12-15 pages recommended. Accepted papers will be published in the conference proceedings by Springer-Verlag in the LNCS/LNAI series, both in print and digital forms. In addition, abstracts (1-4 pages) can be submitted.

All papers should be submitted through EasyChair, <https://easychair.org/conferences/?conf=ijcrs2025>.

Main Topics

Core Rough Set Models and Methods:

- Covering/Neighborhood-based rough set models
- Decision-theoretic rough set models
- Dominance-based rough set models
- Game-theoretic rough set models
- Logic in 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 precision rough set models

Related Methods and Hybridization:

- Anomaly, outlier, and novelty detection
- Decision support systems
- Dempster-Shafer theory
- Formal concept analysis
- Fuzzy sets
- Fuzzy rough sets and rough fuzzy sets
- Granular computing
- Cognitive computing
- Intelligent agent models
- Interval computations
- Nature-inspired computation models
- Petri nets
- Rough sets in data science, artificial intelligence, and machine learning
- Three-way decision
- Three-way data analytics
- Topology and matroids
- Uncertain and approximate reasoning
- Uncertainty theory

Areas of Applications:

- Astronomy and atmospheric sciences
- Big data analytics
- Bioinformatics
- Business intelligence and business data analytics
- Computer vision and image processing
- Cybernetics and robotics
- Financial markets
- Interactive computing
- Knowledge discovery
- Knowledge engineering and representation
- Medicine and health
- Natural language processing
- Retail and E-commerce
- Risk monitoring
- Semantic web
- Smart cities
- Telecommunications
- Transportation
- Web mining and text mining

Workshops and Special Sessions

- Workshop1: Three-Way Decision in Advancing Machine and Human Intelligence
- Workshop2: Granular-ball Computing

- Special Session1: Exploring the Intersection of Soft Computing and Generative Methods
- Special Session2: Soft Clustering: Applications and Approaches
- Special Session3: Mathematical Foundations of General Rough Sets, and Their Application to the Foundations of AI and Machine Learning

Important Dates

- Deadline for proposal submission for special sessions and workshops: ~~January 5, 2025~~ February 28, 2025
- Deadline for paper and extended abstracts submission: ~~January 26, 2025~~ February 28, 2025
- Notification of acceptance: March 20, 2025
- Deadline for camera-ready version of accepted paper: April 6, 2025
- Deadline for registrations: April 20, 2025
- Conference: May 11-13, 2025

Contact Information

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CAAI Granular Computing
and Knowledge Discovery
Technical Committee