Call For Papers

The 2027 International Joint Conference on Rough Sets (IJCRS 2027)

CONFERENCE INFORMATION



*The image is taken from Wikimedia Commons: Provinces and territories of Canada.

Location: Winnipeg, Manitoba, Canada

Website: https://ijcrs2027.cs.umanitoba.ca

Conference Date: June 8-11, 2027

- June 8, 2027: Rough Set School, invited tutorials designed for graduate students, early-career researchers, and newcomers to the field.
- June 9-11, 2027: Main conference, including keynote talks, technical sessions, special sessions, workshops, and IRSS meeting. Main conference will be hosted at the University of Manitoba.

Venue:

- Rough Set School (June 8) will be hosted at the University of Winnipeg. Campus map: https://www.uwinnipeg.ca/maps/
- Main conference (June 9-11) will be hosted at the Fort Garry Campus, University of Manitoba. Campus map: https://maps.umanitoba.ca

Organizer and host: Organized by the International Rough Set Society and hosted by the University of Manitoba and the University of Winnipeg

Sponsors:

- University of Winnipeg
- Department of Computer Science, University of Manitoba
- Springer







MAIN TOPICS

We invite submissions of original and previously unpublished research on rough set theory, including but not limited to the following topics: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
  - Intelligent agent models
  - Interval computations
  - Nature-inspired computation models

  - Near sets
  - 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
  - Multiple criteria decision aiding

ROUGH SET SCHOOL

The Rough Set School will be held on June 8, 2027, at the University of Winnipeg. It is designed to provide graduate students and industry practitioners with basic understanding of what the rough sets are and how rough set methods can be utilized.

We cordially invite you to submit the tutorial proposals by email (ijcrs2027@cs.umanitoba.ca). Any topics related to the theory and applications of rough set methods in artificial intelligence, data mining and uncertainty modeling are relevant.

Check details at the conference website: https://ijcrs2027.cs.umanitoba.ca/school-tutorials.html

BEST STUDENT PAPER AWARDS

Sponsored by Springer, we present two Best Student Paper Awards to recognize outstanding student-lead full-length papers accepted by IJCRS2027. Each award carries a prize of 500 EUR. Award recipients will be required to submit the necessary forms directly to Springer for prize payment via bank transfer. **Preferences will be given to students presenting their papers in person.**

To be eligible for the Best Student Paper Awards:

- The submission must be accepted as a full-length paper.
- The student must be the first author and present the paper at the conference (with preferences given to in-person attendees).
- The student must be enrolled in a degree program and maintain valid student status through the conference date (i.e., till at least June 11, 2027). Award recipients will be required to provide documentation verifying their student status.
- Authors must answer "Yes" to the mandatory submission question on EasyChair: "Would you like this submission to be considered for the Best Student Paper Award?". Authors are responsible for determining and declaring eligibility at the time of submission. Only submissions for which "Yes" is selected will be considered for the awards.

PAPER SUBMISSION

The submission link is: https://easychair.org/conferences/?conf=ijcrs2027

We accept two types of submissions:

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

Both types will be treated equally when designing the conference program of oral presentations.

Further details on extended abstracts:

Extended abstracts should be 1-4 pages in length. Submissions may describe work in progress or research that has been published elsewhere within the past year. Extended abstracts will not be included in the conference proceedings; instead, they will be published in a digital Book of Abstracts on the conference website. To be included in the Book of Abstracts, submissions must be registered and presented at the conference.

Extended abstracts should follow the same formatting requirements as full papers and must use either the LaTeX or Word templates provided by Springer, available on the Springer Authors' Page. LaTeX users may also access the templates through Overleaf.

When submitting through EasyChair, authors should select the "Extended Abstracts" submission type. During the submission process, authors will be asked to choose the track in which they wish to present their work.

Further details on full-length papers:

Full-length papers should be 12-15 pages in length and will be published in the LNCS/LNAI Springer proceedings. Papers slightly exceeding 15 pages may also be considered. Submissions must be original and must not be under review or simultaneously submitted to another conference or journal. Each paper will

undergo a rigorous peer-review process involving at least three independent and anonymous reviewers. All accepted papers must be presented at the conference and will be published in the conference proceedings, available in both print and digital formats.

Full-length papers must be submitted through EasyChair using the link provided above. During submission, authors must select the track most appropriate for their paper.

All submissions must comply with Springer's Instructions for Proceedings Authors and use either the LaTeX or Word templates available on the Springer Authors' Page. LaTeX templates are also available through Overleaf. Authors are expected to adhere to Springer's Code of Conduct when preparing and submitting their work.

Authors must prepare and submit their manuscripts using the Springer templates specified above. Submissions that do not comply with the Springer formatting requirements may be desk-rejected without review.

Authors interested in publishing their papers as open access are encouraged to consult Springer directly for information on fees and available options.

Previous IJCRS proceedings are available through Springer at https://link.springer.com/conference/ijcrs.

CONFERENCE REGISTRATION

All fees are in Canadian dollars and include taxes and processing fees (a manuscript is defined as an accepted full paper or an accepted extended abstract):

- Regular full registration fee is $800 CAD. At least one author of a manuscript must have a full registration.
- Second-manuscript full registration fee is $300 CAD. The second manuscript must be registered under the same author as the first manuscript.
- All participants of the conference must have a valid registration.
- Registration fee is non-refundable.

IMPORTANT DATES

- Workshop and special session:
  - Proposal submission deadline: October 15, 2026
  - Notification: October 20, 2026
- Full-length paper:
  - Submission deadline: December 15, 2026
  - Notification to authors: February 20, 2027
  - Camera-ready version: March 15, 2027
- Extended abstract:
  - Submission deadline: March 5, 2027

- Notification to authors: March 12, 2027

- Early registration deadline: March 15, 2027
- Registration (all categories) deadline: April 1, 2027

ORGANIZING COMMITTEES

General Conference Chairs:

- Sheela Ramanna (University of Winnipeg, Canada)
- JingTao Yao (University of Regina, Canada)
- Tianrui Li (Southwest Jiaotong University, China)

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- Andrea Campagner (University of Milano-Bicocca, Italy)
- Salvatore Greco (University of Catania, Italy)

Extended Abstract Chair:

- Doudou Guo (China University of Mining and Technology, China)

Webmaster:

- Manjot Sran (University of Manitoba, Canada)

CONTACT

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