



IJCRS 2016

International Joint Conference on Rough Sets

October 7-11, 2016
Santiago de Chile, Chile



Paper submission: 15.05.2016

Call for Papers

About. IJCRS is the prime international conference sponsored by the International Rough Set Society ([IRSS](#)). IJCRS 2016 encapsulates four main tracks which refer to major threads of rough set conferences held so far:

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

Scope. The main objective of IJCRS is to gather together:

- People working in various fields related to theoretical foundations and practical applications of **rough sets**
- People working in **other fields**, wishing to discuss their results and experiences with rough set community
- People dealing with **real-world problems**, wishing to share their specifics and look for new inspirations

Topics may include but are not limited to:

Core Rough Set Models & Methods

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|--|-------------------------------------|-------------------------|---|
| - Covering/Neighborhood-Based Rough Set Models | - Dominance-Based Rough Set Methods | - Rough-Bayesian Models | - Rough-Set-Based Feature Selection |
| - Decision-Theoretic Rough Set Methods | - Game-Theoretic Rough Set Methods | - Rough Clustering | - Variable Consistency/Precision Rough Sets |
| | | - Rough Computing | |
| | | - Rough Mereology | |

Related Methods & Hybridizations

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|---------------------------|----------------------------|--------------------------|-----------------------|
| - Artificial Intelligence | - Fuzzy Sets | - Machine Learning | - Pattern Recognition |
| - Computing With Words | - Information Granulation | - Nature-Inspired Models | - Petri Nets |
| - Decision Aiding | - Intelligent Agents | - Near Sets | - Rule-Based Systems |
| - Formal Concept Analysis | - Interactive Computations | - Neural Networks | - Uncertain Reasoning |

Areas of Applications

- | | | | |
|-------------------------|--------------------------|--------------------------|-----------------------|
| - Astronomy | - Cybernetics & Robotics | - Medicine & Health | - Retail & E-Commerce |
| - Big Data Processing | - Financial Markets | - Modeling & Simulations | - Risk Management |
| - Bioinformatics | - Knowledge Management | - NLP Applications | - Smart Cities |
| - Business Intelligence | - Location & Logistics | - Natural Resources | - Web & Text Mining |

Dates. Paper submissions due: **15.05.2016**. Paper acceptance: **15.06.2016**. Camera-ready papers due: **01.07.2016**.

Publications. Accepted and registered 10-page long papers **presented** at IJCRS 2016 will be included into the conference proceedings published in Springer's [Lecture Notes in Computer Science](#) and indexed in [Web of Science](#).

Invited. Keynotes: [Pablo Estévez](#), [Marco Orellana](#), [Tony Hu](#), [Ernestina Menasalvas](#), [Pawan Lingras](#), [Qinghua Hu](#), as well as **plenary talks** delivered by [IRSS Fellows](#) commemorating [Zdzisław Pawlak](#) (founder of rough sets, 1926-2006).

Venue. The conference will be held in [Santiago de Chile](#) - capital of Chile located between Andes & Pacific Ocean.

Extra Social Events. Optional trips will be planned on October 9. Possible destinations: [Valparaíso](#) & [El Morado](#).

Partnering Event. 18th Latin-Iberoamerican Conference on Operations Research ([CLAIO](#)), October 2-6, Santiago.



People. Honorary Chairs: Andrzej Skowron, Bo Zhang. **Conference Chairs:** Dominik Ślęzak, Richard Weber. **SC Members:** Claudio Meneses, Duoqian Miao, Georg Peters, Yiyu Yao. **PC Chairs:** Víctor Flores, Fernando Gomide, Andrzej Janusz, Guoyin Wang. **Publicity Chairs:** Jerzy Błaszczyński, Yasuo Kudo, Jaime Pavlich, Juan Velasquez. **Workshop Chairs:** Ivan Jirón, Dun Liu. **Organizing Committee:** Juan Bekios, Diego Urrutia (to be extended).

Further information soon available at www.roughsets.org
Paper submission at <https://easychair.org/conferences/?conf=ijcrs2016>