

Upcoming conferences

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AAIA'17 Data Mining Challenge

AAIA'17 Data Mining Challenge is the fourth data mining competition organized within the framework of International Symposium Advances in Artificial Intelligence and Applications. This time, the task is to come up with an efficient prediction model which would help AI to play the game of Hearthstone: Heroes of Warcraft. The competition is kindly sponsored by Silver Bullet Solutions and Polish Information Processing Society (PTI).

Competition's web page:

<https://knowledgepit.fedcsis.org/contest/view.php?id=120> IJCRS 2017 July 3-7, 2017 Olsztyn, POLAND
<http://ijcrs2017.uwm.edu.pl/> Principal Organizers: IRSS, University of Warmia and Masuria, Polish-Japanese Academy of IT. Keynote Speakers Rakesh Agrawal (CEO, Data Insights Labs.), Jan Komorowski (Uppsala University), Eric Matson (Purdue), Grzegorz Rozenberg (Leiden), Guoyin Wang (Chongqing University). Tutorials Komorowski Jan, Rough sets in bioinformatics: the analysis of "all-omics" data Piero Pagliani, The multipurpose role of the relational approach to classic and generalized approximation spaces Andrzej Zbrzezny, Bounded model checking Ivo Dunsch, A tutorial on mereotopology: Contact structures crisp and rough Workshops and Special Sessions

- Workshop on: Three-way decisions, Uncertainty. Granular computing
- Workshop on: Recent Advances in Biomedical Data Analysis
- Special Session on Foundations of Vagueness, Rough Sets and Mereology
- Special Session: Trends in Multi-Agent Systems
- Special Session on Formal Concept Analysis, Rough Set Theory and Their Applications
- Plenary session: Zdzisław Pawlak – Life and heritage

<https://easychair.org/conferences/?conf=ijcrs2017> Important Dates

- Extended paper submission deadline for submitting 10-20 page regular conference papers: March 15, 2017
- Deadline for submitting 6+ page short papers: March 15, 2017
- Notification of acceptance for 10-20 page regular conference papers and 6+ page long short papers: March 30, 2017
- Deadline for submitting camera-ready accepted conference papers: April 15, 2017
- Conference: July 3-7, 2017 ISFUROS 2017 October 24 - 26, 2017 Santa Maria Key, Villa Clara, Cuba <http://www.site.uottawa.ca/~rfalc032/isfuros2017/>

Aim and Scope

Fuzzy and rough set theories stand as two of the most prominent methodologies within the umbrella of Computational Intelligence to handle uncertainty in vague and inconsistent environments. They have enjoyed widespread success in a plethora of real-world application domains and remain at the forefront of numerous theoretical studies to consolidate and augment their well-established properties.

The second edition of the International Symposium on Fuzzy and Rough Sets (ISFUROS 2017) will take place at Valentin Perla Blanca Hotel, Santa Maria Key, in the province of Villa Clara, Cuba from October 24-26, 2017. It will be organized by the Universidad Central de Las Villas. ISFUROS 2017 aims at providing a forum for exchange on fuzzy and rough set theories and their applications. The symposium includes tutorials, invited key lectures and paper presentations. ISFUROS 2017's goals are (1) to strengthen the relationships among researchers and institutions working on fuzzy and rough set theories, (2) to increase awareness of these topics among the Latin American research community and (3) to facilitate the contact between new researchers and consolidated groups.

Submission Topics

Submissions of original and previously unpublished work on fuzzy and rough set theories and applications are encouraged, see the website for details.

Important Dates

Paper submission: May 15, 2017 Notification to authors: June 30, 2017 Camera-ready version: August 30, 2017 Early registration: August 30, 2017

The 2016 International Joint Conference on Rough Sets (IJCRS 2016)

Santiago de Chile, Chile, October 7-11, 2016 Extended abstract submission deadline: July 25, 2016

Early registration deadline: August 5, 2016

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

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

We welcome

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- # 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

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CONFERENCE TOPICS INCLUDE, BUT ARE NOT LIMITED TO:

1. Core Rough Set Models and Methods

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

2. Related Methods and Hybridization

- * Artificial Intelligence
- * Computing With Words
- * Decision Support Systems
- * Formal Concept Analysis
- * Fuzzy Sets
- * Information Granulation
- * Intelligent Agent Models
- * Interactive Computing
- * Machine Learning
- * Natural Language Processing
- * Nature-Inspired Computation Models
- * Near Sets
- * Pattern Recognition
- * Petri Nets
- * Rule-Based Systems
- * Uncertain and Approximate Reasoning

3. Areas of Applications

- * Astronomy and Atmospheric Sciences
- * Big Data Processing
- * Bioinformatics
- * Business Intelligence
- * Computer Vision and Image Processing
- * Cybernetics and Robotics
- * Financial Markets
- * Knowledge Discovery
- * Knowledge Engineering and Representation
- * Medicine and Health
- * Natural Resources
- * Retail and E-Commerce
- * Risk Management
- * Smart Cities
- * Telecommunications
- * Transportation
- * Web and Text Mining

Important Dates

 # 10-page paper submission deadline: June 10, 2016 [non-extendable]
 # 10-page paper acceptance notices: July 1, 2016
 # 1-page abstract submission deadline: July 8, 2016
 # 1-page abstract acceptance notices: July 10, 2016
 # Early registration deadline: July 15, 2016
 # Camera-ready paper submission deadline: July 15, 2016
 # Conference dates: October 7-11, 2016
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Online Submissions & Publications

 # Papers need to have up to 10 pages in LNCS format:
 # <http://www.springer.com/computer/lncs?SGWID=0-164-6-793341-0>
 # Papers accepted in both rounds will be published
 # by Springer as a volume of the series of LNCS/LNAI.
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*** Post-Conference Journal Publications ***

The authors of best papers will be invited to extend and submit them for review to selected international scientific journals.

*** About the Venue ***

The conference will be held in Santiago de Chile - capital of Chile located between Andes & Pacific Ocean.

*** Contact Information ***

IJCRS 2016 Conference Chairs:

- Dominik Slezak <slezak@mimuw.edu.pl>
- Richard Weber <rweber@dii.uchile.cl>

IJCRS 2016 Steering Committee:

- Claudio Meneses <cmeneses@ucn.cl>
- Duoqian Miao <dqmiao@tongji.edu.cn>
- Georg Peters <georg.peters@hm.edu>
- Yiyu Yao <yyao@cs.uregina.ca>

IJCRS 2016 Program Committee Chairs:

- Victor Flores <vflores@ucn.cl>
- Fernando Gomide <gomide@dca.fee.unicamp.br>
- Andrzej Janusz <janusza@mimuw.edu.pl>
- Guoyin Wang <>wanggy@cqupt.edu.cn>

11th International Symposium on Advances in Artificial Intelligence and Applications (AAIA 2016)

Gdansk, Poland, September 11-14, 2016 Submission deadline

Position papers due: May 30, 2016

We invite TWO TYPES OF POSITION PAPERS:

- EMERGING RESEARCH PAPERS that present preliminary research results from work-in-progress
- CHALLENGE PAPERS that propose and describe research challenges in theory or practice

AAIA'16 TOPICS:

- Decision Support
- Machine Learning
- Fuzzy Sets (in conjunction with plenary panel dedicated to WITOLD KOSINSKI, 1946-2014)
- Rough Sets (in conjunction with plenary panel dedicated to ZDZISLAW PAWLAK, 1926-2006)
- Data Mining and Knowledge Discovery
- Data Modeling and Feature Engineering
- Data Integration and Information Fusion

- Hybrid and Hierarchical Intelligent Systems
- Neural Networks and Deep Learning
- Bayesian Networks and Bayesian Reasoning
- Case-based Reasoning and Similarity
- Web Mining and Social Networks
- AI in Business Intelligence and Online Analytics
- AI in Robotics and Cyber-Physical Systems
- AI-centered Systems and Large-Scale Applications

Topics of workshops, which are integral parts of AAIA'16:

- AI in Computational Optimization (see WCO'16)
- AI in Language Technologies (see LTA'16)
- AI in Machine Vision and Graphics (see AIMaViG'16)
- AI in Medical Applications (see AIMA'16)
- AI in Reasoning and Computational Foundations (see AIRIM'16)
- AI in Semantic Information Retrieval (see ASIR'16)
- AI in Spatial and Temporal Analytics (see DSTUI'16)

AAIA'16 is held as part of 2016 Federated Conference on Computer Science and Information Systems (FedCSIS'16).

FedCSIS'16 KEYNOTE SPEAKERS:

- Frederik Ahlemann (University of Duisburg-Essen)
How digital transformation shapes corporate IT: Ten theses about the IT organization of the future
- Stan Matwin (Dalhousie University)
Big Water Meets Big Data: Analytics of the AIS Ship Tracking Data
- Michael Segal (Ben-Gurion University of the Negev)
Location always matters: how to improve performance of dynamic networks?
- Clemens Szyperski (Microsoft)
Service focus and focused service composition

FedCSIS'16 PLENARY PANEL COMMEMORATING PROF. ZDZISLAW PAWLAK (1926-2006):

- Stan Matwin (Dalhousie University)
Introduction: Professor Pawlak as a Scientist, a Teacher and a Mentor
- Ewa Orłowska (National Institute of Telecommunications)
The Evolution of Rough Sets
- Andrzej Skowron (University of Warsaw)
From Information Systems to Interactive Information Systems
- Andrzej Czyżewski (Gdansk University of Technology)
Flow Graphs: Motivations and Applications

AAIA'16 PLENARY PANEL COMMEMORATING PROF. WITOLD KOSINSKI (1946-2014):

- Distinguished scientists who cooperated with Professor Witold Kosinski (to be announced)

POSITION PAPER SUBMISSION:

- Position paper submissions should be prepared in standard IEEE two-column format and should not exceed 8 pages

POSITION PAPER PUBLICATION:

- Position papers will be published as a separate electronic volume of ACSIS (annals-csis.org), with ISBN, ISSN and DOI
- Position papers will not be placed in the IEEE Digital Library and will not be submitted to Thomson Reuters Web of Science

-- However, they will be indexed in CrossRef, BazEkon, J-Gate, and submitted for indexing to: SCOPUS, Inspec, DBLP, Google Scholar

IMPORTANT DATES:

- Position paper submission: May 30, 2016
- Acceptance decision: June 13, 2016
- Final version of paper submission: July 4, 2016
- Final deadline for discounted fee: July 31, 2016
- Conference dates: September 11-14, 2016

CHAIRS OF AAIA SYMPOSIUM SERIES

Dominik Slezak & Andrzej Janusz