
fuzzy digest

1 message

Kreinovich, Vladik <vladik@utep.edu>

Wed, May 6, 2026 at 11:49 AM

To: "nafips-l@listserv.gsu.edu" <nafips-l@listserv.gsu.edu>, "members.list@eusflat.org" <members.list@eusflat.org>

This email is sent:

- * to NAFIPS and EUSFLAT mailing lists and
- * to all the members of IFSA Council, i.e., to IFSA elected officers
and to the Presidents of all fuzzy societies that form IFSA; please
forward this digest to members of your fuzzy society.

- * Congratulations to Janusz Kacprzyk, he was elected
Fellow of the African Academy of Sciences, see below

- * The 12th International Symposium on Integrated Uncertainty
in Knowledge Modelling and Decision Making IUKM 2026, Quy Nhon City,
Vietnam, September 14-17, 2026, deadline for submissions May 10, 2026

- * 17th APCA International Conference on Automatic Control and Soft
Computing (CONTROLO 2026), Special Session on Incremental Learning
for Prediction and Control under Nonstationarity (Evolving,
Intelligent, and Learning-based Systems), deadline for submissions
May 29, 2026, see below

- * The 9th International Conference on Belief Functions BELIEF 2026,
Nanjing, China, October 19-21, 2026, deadline for submissions May 31,
2026, see below

- * Mexican International Conference on AI MICAI 2026, Chihuahua City,
Mexico, November 2-6, 2026, deadline for submissions June 14, 2026,
see below

* mark your calendars: The Eighth International Conference on Artificial Intelligence and Computational Intelligence (AICI 2027), January 10-11, 2027, Hanoi, Vietnam (dates tentative). Main theme: Artificial Intelligence and Other Soft Computing Techniques: Biomedical and Related Applications, contact nhphuong2028@gmail.com

From: Eulalia Szmidt <szmidt@ibspan.waw.pl>

Recently, our friend, Professor Janusz Kacprzyk, has been elected Fellow of the African Academy of Sciences. For many years, African scientists, notably from South Africa, Egypt, Algeria and Marocco, have been active and prolific in fuzzy sets and possibility theory through their papers, conferences, etc.

The African Academy of Sciences (AAS) is an independent, non-political, not-for-profit pan African with the meant to recognize scientific and scholarly excellence through highly prestigious fellowship and award schemes, and to deliver advise and recommendations, of a think tank type, for helping develop and support Africa's Science, Technology and Innovation (STI) strategies and policies though programs and projects addressing relevant and urgent AfricaâEUR(tm)s developmental challenges, notably concerning: Environment and Climate change, Health and Wellbeing, Natural sciences, Policy and Governance, and Social sciences and Humanities. The excellence is recognized through the election of AAS Fellows and Affiliates. The Fellows are elected based on their publication record, innovation, leadership, and contributions to the development of African scientific talents and economy, and are elected both from African and other countries.

Janusz's AAS Web site is:

Judging from the list of Fellows of AAS, Janusz is the only fellow of AAS who is explicitly active in fuzzy sets and possibility theory.

CALL FOR PAPERS

IUKM 2026: The 12th International Symposium on INTEGRATED UNCERTAINTY
in KNOWLEDGE MODELLING and DECISION MAKING

14 - 17 September 2026, Quy Nhon City, Vietnam

Conference website: <https://www.jaist.ac.jp/IUKM/IUKM2026/>

Submission link: <https://cmt3.research.microsoft.com/IUKM2026>

Submission deadline: 10 May, 2026 (firm deadline)

IUKM 2026 marks the 12th edition of the International Symposium on Integrated Uncertainty in Knowledge Modelling and Decision Making (IUKM). The symposium also cordially invites proposals for special sessions and workshops. The proceedings of IUKM 2026 will be published by Springer-Verlag in the Lecture Notes in Artificial Intelligence series.

We warmly welcome your submissions. We would be very grateful for your kind support in sharing this call for papers with your colleagues, collaborators, and students.

Thank you very much for your support.

Kind regards,

Van-Nam Huynh,

Japan Advanced Institute of Science and Technology

1-1 Asahidai, Nomi, Ishikawa

Japan

17th APCA International Conference on Automatic Control and Soft
Computing (CONTROLO 2026)

<https://controlo2026.apca.pt/>

Special Session on "Incremental Learning for Prediction and Control
under Nonstationarity (Evolving, Intelligent, and Learning-based
Systems)"

Organised by

Daniel Leite, University of Paderborn, Germany, daniel.leite@uni-paderborn.de

Igor Skrjanc, University of Ljubljana, Slovenia, igor.skrjanc@fe.uni-lj.si

Jerome Mendes, University of Coimbra, Portugal, jerome.mendes@uc.pt

Fernando Gomide, University of Campinas, Brazil, gomide@unicamp.br

deadline for submissions May 29, 2026

Call for Papers

Description:

Many real-world systems operate under nonstationary conditions, where statistical properties evolve over time due to environmental and system changes, aging, operational variability, or disturbances. Traditional machine learning and control approaches, which rely on static models, offline multi-epoch training, or fixed-structure adaptive schemes, often fail to maintain performance when confronted with continuously evolving data. Incremental learning of model structures and parameters provides a framework to address these challenges by allowing predictors,

classifiers, and intelligent feedback controllers to evolve sequentially with a higher degree of autonomy and flexibility. These methods allow models to track drifts and emerging patterns, operate in real time without requiring retraining from scratch or access to historical data, and mitigate catastrophic forgetting while maintaining robustness and interpretability.

This session aims to bring together researchers working on incremental and continual machine learning methods for time series prediction, evolving system identification, and structurally adaptive models and controllers for nonstationary systems observed from data streams. The session welcomes theoretical advances, algorithmic developments, and practical applications of incremental learning in streaming environments, intelligent and evolving systems, and dynamical systems.

Particular emphasis is given to methods capable of adapting model structures, parameters, and knowledge representations over time, including granular, fuzzy, neural, modular, and hybrid approaches. The goal is to foster interaction between the machine learning and control communities and to promote new methodologies that allow reliable prediction, monitoring, and control in continuously evolving environments.

September 9-11, 2026, Coimbra, Portugal

Topics of interest include (but are not limited to):

Methods and Algorithms

- Incremental and online learning for time series and dynamical systems
- Learning under nonstationarity and concept drift
- Adaptive system identification and modeling
- Evolving intelligent systems: granular, fuzzy, and neural systems

- Incremental neural networks with modular or granular architectures
- Online regression, prediction, and control
- Data-driven modeling of physical systems
- Incremental and evolving clustering
- Ensemble learning in nonstationary environments
- Feature selection and dimensionality reduction in data streams
- Interpretability of incremental and evolving models

Theory and Analysis

- Learning and control under uncertainty
- Online optimization and adaptive estimation
- Stability, robustness, and convergence of incremental learning and adaptive control

Prediction and Control Applications

- Adaptive prediction of nonstationary time series
- Robotics and autonomous systems
- Fault detection and condition monitoring
- Biomedical signal processing and assistive systems
- Learning-based and adaptive control of dynamical systems

Short CV of Each Organizer

Daniel Leite is a researcher at the Department of Computer Science, Paderborn University, Germany. He has held faculty and research positions in Brazil, Slovenia, Chile, and Germany, working in granular computing, machine learning, fuzzy systems, neural networks, and control theory. He received the Ph.D. degree in Electrical Engineering from the University of Campinas (UNICAMP), Brazil, in 2012. Leite is a recipient of the NAFIPS Early Career Award (2017) and Ph.D. Thesis Awards from the IEEE Computational Intelligence Society (2017), NAFIPS (2015), and the Brazilian Computer Society (2014). He received outstanding student paper

recognitions at FUZZ-IEEE and IJCNN conferences. He served for seven years as an Associate Editor of the journal *Evolving Systems* and is Associate Editor of the *Springer Journal of Control, Automation and Electrical Systems*. His interests include incremental and continual learning, multimodal data streams, and human-centered AI applied to medicine, robotics, engineering, and brain-computer interfaces.

Igor Skrjanc received B.S., M.S. and Ph.D. degrees in electrical engineering, in 1988, 1991 and 1996, respectively, at the Faculty of Electrical and Computer Engineering, University of Ljubljana, Slovenia. He is currently a Full Professor with the same faculty and Head of Laboratory for Autonomous and Mobile Systems. He is lecturing the basic control theory at graduate and advanced intelligent control at postgraduate study. His main research areas are adaptive, predictive, neuro-fuzzy and fuzzy adaptive control systems. His current research interests include also the field of autonomous mobile systems in sense of localization, direct visual control and trajectory tracking control. He is Humboldt research fellow, research fellow of JSPS and Chair of Excellence at University Carlos III of Madrid and the fellow of the Slovenian Academy of Engineering. He also serves as an Associated Editor for *IEEE Transaction on Neural Networks and Learning Systems*, *IEEE Transaction on Fuzzy Systems*, the *Evolving Systems* journal and *International journal of artificial intelligence*.

Jerome Mendes received his Ph.D. in Electrical and Computer Engineering from the University of Coimbra (UC) in 2014. He is currently Senior Researcher at the UC. Jérôme has been involved as a team member with enterprise partners in several R&D projects, focusing his research on developing computational intelligence-based solutions, mainly for smart industry, with an emphasis on intelligent control (adaptive, auto-tuning, predictive,

data-driven, evolving, and interpretable); intelligent identification (prediction of unknown and time-varying systems, automatic identification design with evolving and interpretable capability), decision systems and intelligent failure detection. Jérôme has been IFAC Industry Committee Member, member of the Board of Directors of the Portuguese Association of Automatic Control (APCA), Associated Editor of scientific reports (nature) and Evolving Systems (Springer) journals.

Fernando Gomide has a BSEE degree from Polytechnic Institute of the Pontifical Catholic University of Minas Gerais, Belo Horizonte, Minas Gerais, Brazil 1975; MSc degree from the University of Campinas, School of Electrical and Computer Engineering, Campinas, Sao Paulo, Brazil 1979; and PhD degree in Systems Engineering from Case Western Reserve University, Cleveland, Ohio, USA 1983. Currently he is professor of electrical and computer engineering, School of Electrical and Computer Engineering, University of Campinas, São Paulo, Brazil. He is IEEE Fellow Class 2016, K. S. Fu Awardee North American Fuzzy Information Society 2011, IFSA Fellow Class 2009, and Fellow 1A Brazilian National Council for Scientific and Technological Development 2000. His areas of interest include modeling, optimization, and control; decision-making, artificial intelligence, machine learning, fuzzy systems, and applications. He serves the editorial board of Fuzzy Optimization and Decision Making, Journal of Advanced Computational Intelligence, Evolving Systems, and the International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems.

The 9th International Conference on Belief Functions (BELIEF 2026)

<https://www.bfasociety.org/Belief2026>

Dates: October 19-21, 2026

Location: Nanjing, China

* May 31, 2026: Paper submission deadline (extended)

* June 15, 2026: Author notification

* June 30, 2026: Camera-ready copy due

The Theory of belief functions, also referred to as Evidence theory or Dempster-Shafer theory is a well-established mathematical framework for reasoning and decision-making with uncertainty, with applications to machine learning, statistical inference, information fusion, knowledge representation, risk analysis, etc. It is an extension of probability theory and it has well understood connections with related frameworks such as random sets and imprecise probabilities. Recently, generalised evidence theory, based on random fuzzy sets, has been proposed as a unifying framework encompassing both Dempster-Shafer and possibility theories.

The biennial BELIEF conferences (sponsored by the Belief Functions and Applications Society) are dedicated to the confrontation of ideas, the reporting of recent achievements and the presentation of the wide range of applications of this theory. Previous editions of this conference series were held in Brest, France (2010); Compiègne, France (2012); Oxford, UK (2014); Prague, Czech Republic (2016); Compiègne, France (2018); Shanghai, China (2021); Paris, France (2022), and Belfast, UK (2024).

To support cross-fertilization among researchers working in different subfields of AI and related disciplines, tutorials and special sessions will be proposed, with emphasis on the links between machine learning, statistical inference and uncertain reasoning, including topics such as

quantification of prediction uncertainty, fusion rules for ensemble learning, belief propagation in deep neural networks, links with explainable and symbolic AI, etc. Submissions of papers combining several of these topics, or more generally at the cross-road of belief functions and other AI methods or uncertainty theories, along with relevant applications, are welcome.

Proceedings

BELIEF 2026 proceedings will be published by Springer-Verlag in the Lecture Notes in Artificial Intelligence (LNCS/LNAI) series and indexed by: ISI Web of Science; EI Engineering Index; ACM Digital Library; dblp; Google Scholar; IO-Port; MathSciNet; Scopus; Zentralblatt MATH.

IJAR Special issue

Authors of selected papers from the BELIEF 2026 conference will be invited to submit extended versions of their papers for possible inclusion in a special issue of the International Journal of Approximate Reasoning.

BELIEF 2026 Conference co-chairs

Prof. Zhigang Su, Southeast University, China

Prof. Thierry Denoeux, Université de Technologie de Compiègne, France

More information: <https://www.bfasociety.org/Belief2026>

Mexican International Conference on AI MIACI 2026, Chihuahua City,
Mexico, November 2-6, 2026, <https://micai.org/2026/calls/>

deadline for submissions June 14, 2026

We invite authors to submit their original research papers on Artificial Intelligence, written in English.

All accepted papers from the Main Conference, Posters, and Workshops will be included in the MICA proceedings.

We invite authors to submit their original research papers on Artificial Intelligence, written in English. The submissions must not have been previously published or be under review for another conference or journal. Only complete and finished papers will be reviewed, not abstracts. After your paper is accepted you will have a chance to improve it according to the comments of the reviewers, but the reviewers will assume that the text that they are reading is the text that is to be published, with the only changes they explicitly request (as opposed to reviewing a draft or abstract).

In particular, the papers must be submitted in the required format. We reserve the right to reject without review the submissions that do not follow the format guidelines.

Topics: All areas of Artificial Intelligence, Computational Intelligence, Machine Learning, Data Mining, Fuzzy Systems, research or applications.

MICA is characterized by Springer as a premier conference in Artificial Intelligence.

All accepted papers from the Main Conference, Posters Workshops will be included in the MICA proceedings, as follows:

Main Conference will appear in the series LNAI Springer

Posters will be published in the series CCIS Springer

Workshops will appear in the series LNAI Springer

Editorial policies for Springer LNAI can be found on the conference website.

Publications are indexed in Scopus, SCImago, DBLP, INSPEC, EI Compendex.

General inquiries or any other related comments contact micael@smia.mx