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A Message from the President

Dear members of the EUSFLAT Society,

During the last General Assembly of the European Society for Fuzzy Logic and Technology, held in Lisbon, a new Board of the Association was elected, and it is a great honor for the whole team to take this responsibility.

First of all, I have to acknowledge the great job of previous EUSFLAT Board, led by **Ulrich Bodenhofer**. Some actions will be possible during the next two years simply because the previous Board have made them possible. This is the way an Association improves, building up from the basement created by the previous generation. The new EUSFLAT team (that includes some members of the last team) will keep pursuing all the objectives that define the spirit of EUSFLAT: to promote and disseminate the methods, techniques and developments of Fuzzy Logic and technologies, to encourage the scientific communication and collaboration among its members, to assemble a group of specialists belonging to different academic fields and professional practices, to advise associates and companies on subjects regarding Fuzzy Logic and Technologies and other related matters, to represent the European researchers in Fuzzy Logic and their technologies at the IFSA council, to establish relations with other national or international associations with similar aims, to organize, promote and sponsor conferences, workshops and seminars. From here, and in the name of the whole EUSFLAT community, I want to express my deepest gratitude to the previous EUSFLAT team, specially to those that could not continue their job in the new team: **Lluís Godo** (past Vicepresident), **Irina Perfilieva** (past Secretary), **Vicenc Torra** (who was in charge of EUSFLAT Newsletter) and **Thomas Vetterlein** (who took care of the Membership Management).

Hence, new positions for specific tasks have been created in order to assure a new impulse for our Association. In this way, as announced in the candidature and detailed in the EUSFLAT Web page, the size of the team has been increased, spreading duties and, hopefully, increasing the direct impact of future initiatives. The basic organization of the team was made in advance, together with the basic task assignment. Regular functioning will soon fix details. I have to express my personal gratitude to each member of the new team for accepting my offer to them, convinced that great projects can only be reached by coordinated and friendly teams.

The main objective of the new EUSFLAT team can not be other than to improve the services to the members of EUSFLAT, but this objective comes with a *revision of internal EUSFLAT organization procedures* and need of *increasing the number of EUSFLAT members*. Services can be usually improved by a better distribution of available resources, and therefore attract more people to the Association, but more projects can be launched if resources increase by the incorporation of new members. Our *young researchers grant program* is highly demanded and appreciated, for example, and a specific package of proposals will be made in relation to *endorsed EUSFLAT conferences* (including EUSFLAT conferences, of course, and please let me take this opportunity to remind you that EUSFLAT 2011 conference will be held in France). Nevertheless, it is important to realize that assuring financial support is a first issue for any innovative project, so from here I am asking you to translate to your colleagues my invitation to join EUSFLAT.

In the list of services to EUSFLAT members, a key objective is to get our official journal, *Mathware & Soft Computing*, be included in the *ISI Web of Science*. We shall prepare a set of actions to promote the submission of more quality papers meanwhile (offering special issues to EUSFLA endorsed conferences and asking EUSFLAT Research Groups to work in attractive special issues, for example). We shall study the possibility of reducing edition costs (for example, making regular members distribution by Internet only), but we shall also be ready to consider different policies in case our journal does not get soon into the ISI Web of Science.

The *EUSFLAT Web page* will play a key role in the Association life, since our visibility is mainly there. Special attention will be also devoted to all the underlying system providing information to *EUSFLAT Newsletter* and among all EUSFLAT members, taking into account that some *announcements* need fast spreading and should not be delayed to the next Newsletter issue, and launching a *EUSFLAT discussion forum*. A main organization change has been introduced in the EUSFLAT information system, which includes now specific tasks to search for *project calls* and *promote joint research adventures*, with the support of *EUSFLAT Research Groups* and in collaboration with other partners (a *technical offer data base* will be updated).

We have already established direct contact with the Presidents of other *Fuzzy Associations within IFSA* to consider joint actions, and a member of the team will be specifically devoted to translate useful information among these Associations.

The new EUSFLAT team is ready to work hard, but please do not hesitate to contact any member of the new Board in case you have an interesting suggestion we could consider for implementation. We all are EUSFLAT.

With warm regards,

Javier Montero
EUSFLAT President

Meet the new EUSFLAT Board (since July 21, 2009)

The general managing board of EUSFLAT consists of the following persons:



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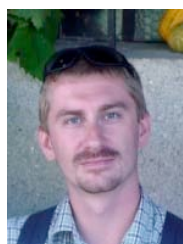
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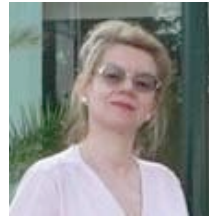
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IFSA-EUSFLAT 2009 Retrospect

The Conference



The 6th EUSFLAT Conference was organized jointly with the 13th IFSA World Congress in Lisbon, Portugal, in the week July 20-24, 2009. It was the first time the conference was jointly organized with an IFSA World Congress. The conference was attended by an impressive number of more than 350 people, including many leading researchers and a significant number of students. EUSFLAT this time sponsored eight student grants, covering full registration and accommodation.

The first day took place at the Alameda Campus of the Instituto Superior Técnico (Universidade Técnica de Lisboa), where five highly interesting tutorials were held by D. Dubois (France), W. Pedrycz (Canada), J. Bezdek (USA), J. Keller (USA), and A. Gegov (United Kingdom), jointly with N. Petrov (Bulgaria). It is worth to note that the tutorials were free of charge for all conference participants. The conference was opened officially on the

evening of Monday, July 20, with a nice welcome reception in the garden of Palácio Galveias, a palace now hosting the Municipal Library of Lisbon.

The scientific program of the following four days took place at the Calouste Gulbenkian Foundation, consisting of four enlightening and inspiring plenary lectures by K. Hirota (Japan), E. Hüllermeier (Germany), M. Grabisch (France), and H. Nurmi (Finland), and approximately 330 contributed papers, a significant proportion of which were presented as part of one of the 31 special sessions organized by leading researchers. The program also featured two highly interesting round table discussions on "The Future of Fuzzy Logic" and "Type 2 or not Type 2?" which attracted many participants. The gorgeous conference banquet was held on the evening of Thursday, July 23, 2009, at Páteo Alfacinha. On this occasion, the student best paper awards (sponsored by IFSA) were presented. The winner was J. Baetens from Ghent University, Belgium, for his paper "Incorporating Fuzziness in Spatial Susceptible-Infected Epidemic Models". Two honorable mentions were awarded to M. Petřík (Czech Republic) and J. Luengo (Spain).

The conference cannot only be characterized by high scientific quality, interesting discussions, and smooth organization. It is also worth to note the warm and hospitable atmosphere that made this conference a unique experience. The EUSFLAT society, its board, and all members want to thank the general chairs, the program chairs, and all their co-workers cordially for making this conference an unforgettable event!

The Assembly

A general assembly took place on Tuesday, July 21, 2009, was attended by around 60 EUSFLAT members. At this meeting, the board presented a report of activities in the last years and a financial statement. As the last action before the election, the previous board proposed Francesc Esteve as the first Honorary Member of the society. The proposal was accepted unanimously. Finally, a new EUSFLAT Board had to be elected. There was one candidature submitted by Javier Montero. The candidature was accepted by unanimous vote, and the new EUSFLAT Board immediately took over duties.

Next EUSFLAT Conference

There is a tentative agreement to organize the 7th EUSFLAT Conference jointly with the French Days on Fuzzy Logic and Applications again, this time in France. Details will be announced as soon as available.

Honorary Members of the EUSFLAT Society

According to Article 22 of its bylaws, the society can award honorary members who, due to their prestige or by having significantly contributed towards dignifying and developing the Association, become worthy of such a distinction. Honorary members must be proposed by the board and approved by the general assembly.

Honorary Members 2009



Francesc Esteva, Institut d'Investigació en Intel·ligència Artificial, Bellaterra, Spain

- * in recognition of his outstanding contributions to fuzzy and many-valued logics and
- * for his tireless activities to advance the EUSFLAT society as a co-founder of the society, its first president (1997-2001), and a faithful long-time member

The EUSFLAT Society cordially congratulates!

FRANCESC ESTEVA received his B.Sc. in Mathematics in 1969 and his Ph.D. also in Mathematics in 1974, both from the University of Barcelona. He has been Full Professor and head of the Department of Mathematics and Informatics at the Technical University of Catalunya and Director of the Center for advanced studies and the Artificial Intelligence Research Institute (IIIA) of the Spanish Research Council (CSIC) from 1987 until 2007. He has published about 150 papers in Journals and Conferences mainly in the area of approximate reasoning and its applications to different areas like knowledge-based systems, case-based reasoning. In the last period he has mainly working in Mathematical fuzzy logic. Multi-valued Logics, Modal and Multi-modal Systems and mainly Fuzzy Logic are the theoretical topics he has been working in. On the application side the main areas of interest has been approximate reasoning, similarity-based reasoning and its application to interpolative and case-based reasoning and recently, Fuzzy description logics. He is member of several editorial boards of journals and Program committees of relevant conferences and has been invited to give some plenary conferences. He has been President of FLAT, the Spanish association for Fuzzy Logic and Technologies, during four years and the first president of EUSFLAT, the European Society for Fuzzy logic And Technology (from 1997 to 2001). Currently he is co-chair of the program Committee of the 40th ISMVL that will take place in Barcelona next may, leader of a Spanish research project about many-valued fuzzy logic and its applications to Fuzzy description logics and argumentation and member of a project of the European Science Foundation about Logical Models of Reasoning with Vague Information.

Recommended papers:

J. Agustí-Cullell, F. Esteva, P. García, L. Godo, R. López de Mántaras, L. Murgui, J. Pujol y C. Sierra, "Structred Local Fuzzy logics in MILORD II", in Fuzzy Logic for the Management of Uncertainty (L.A. Zadeh & J. Kacprzyk, eds.), 1992, John Wiley & Sons, pp. 523-551.

F. Esteva, P. García L. Godo, "Similarity-based Reasoning", in Discovering the world with Fuzzy Logic (V. Novak and I. Perfilieva ed.) Studies in Fuzziness and Soft Computing, Physic-Verlag, (2000) Vol.57, pp. 367-393.

F. Esteva, L. Godo, "Monoidal t -norm based Logic: Towards a Logic for left continuous t -norms", in Fuzzy Set & Systems (2001) vol.124, 3, pp. 271-288.

F. Esteva, L. Godo, A. Garcia-Cerdana, "On the Hierarchy of t -norm based Residuated Fuzzy logic", in Beyond Two: Theory and Applications of Multiple-Valued Logic (E. Orłowska- M. Fitting eds) Studies in Fuzziness and Soft Computing Physica-Verlag (2003) pp. 251- 272.

F. Esteva, L. Godo, F. Montagna, "Equational characterization of the subvarieties of BL generated by t -norm algebras", Studia Logica Vol.76, 2 (2004) pp.161-200

D. Dubois, F. Esteva, L. Godo, H. Prade, "An Information-based discussion of vagueness", in HANDBOOK OF CATEGORIZATION IN COGNITIVE SCIENCE (Henri Cohen, Claire Lefebvre ed.), Part 8.- Machine Category learning (2005) pp. 892-913

D. Dubois, F. Esteva, L. Godo, H. Prade, "Fuzzy Logic (Chapter VI), The Many Valued and Non-monotonic Turn in Logic", Vol 8 of Handbook of the History of Logic (Dov M. Gabbay, John Woods editors), Elsevier (2007) pp. 325-449.

F. Esteva, L. Godo, C. Noguera, "First-order t -norm based fuzzy logics with truth-constants: Distinguished semantics and completeness propertie", Annals of Pure and Applied Logic (On line version available)

F. Bou, F. Esteva, L. Godo and R. Rodríguez, "On the Minimum Many-Valued Modal Logic over a Finite Residuated Lattice", Accepted in Journal of Logic and Computation

International Student Conference on Applied Mathematics and Informatics - ISCAMI 2009

“The only student conference endorsed by EUSFLAT”

International Conferences for Undergraduate and Graduate Students of Applied Mathematics (SCAM/ISCAM) were organized by two faculties of the Slovak University of Technology in years 1999-2007. The original idea was to bring together graduate students in various areas of mathematics relevant for applications.

After one-year pause, the ISCAM is again organized in a new guise. Since 2009, the **ISCAMI** extends its scope by informatics and it is co-organized by the Department of Mathematics of Faculty of Civil Engineering (Slovak University of Technology in Bratislava) and by the Institute for Research and Applications of Fuzzy Modeling (University of Ostrava). Venue will alter every year between Slovakia and the Czech Republic. Newly the conference is also marked as **EUSFLAT endorsed event**, for which we are grateful to EUSFLAT.



ISCAMI 2009 (see <http://irafm.osu.cz/iscami>) was organized in Malenovice - a beautiful village situated on the root of the highest peak in Beskydy mountains near Ostrava. The scientific programme consisted of one invited talk given by Vladik Kreinovich (Texas, USA) and of 43 presentations given by student participants from distinct European countries. Participants were invited to submit post-conference papers into special issues of 3 journal: Neural Network World (indexed in SCI), Acta Universitatis Matthiae Belii and Acta Mathematica Universitatis Ostraviensis.

All students as well as scholars are invited to participate on the upcoming ISCAMI2010 in Slovakia. Call for papers and further details will be announced soon.

For more information contact: Martin Štěpnička (IRAFM, University of Ostrava) - Martin.Stepnicka@osu.cz
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If you are reading this...

(note from the Editor)

If you are reading this, chances are that somebody has or will too. On behalf of the EUSFLAT board and as editor of the newsletter, I'm inviting you to participate in these publications. Newsletters play a fundamental role in any society and in particular when the community is spread all over the world. It is a vector of information providing a unique opportunity to communicate on topics, which are not spread over other fast-media as are mailing lists or websites.

The EUSFLAT newsletter is published three times a year and provides the opportunity to publish not only announcements but also some more thought material as for instance **PhD thesis abstracts, descriptions of research groups, conference reports, book reviews** or announcements.

Did you read an excellent book? Let other people know! Did you write (or advised) a mind-blowing Ph.D. thesis? Let the world know! Did you organize a conference or workshop? Tell others - who could not attend - what came out of that event. The newsletters are nothing else but the reflection of the dynamics of our exciting community.

To publish anything is very easy, just send us an e-mail to: newsletter@eusflat.org

Marcin Detyniecki
EUSFLAT Newsletter Editor

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