

IFSA Newsletter Vol. 9, No. 1,

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EDITED BY: Shun-Feng Su

VP for publicity

IFSA newsletter has been recently revitalized. All published newsletters can be found in the IFSA website (<http://isdlab.ie.ntnu.edu.tw/ntust/sources/newsletter.html>). In fact, we have also tried to rebuild the IFSA website (<http://isdlab.ie.ntnu.edu.tw/ntust/>). Since some of those contents may be obsolete. If you want to update it, please send the updated information to me (sfsu@mail.ntust.edu.tw). We hope that the IFSA website and the IFSA newsletters can become a forum to share news and ideas for all members of IFSA.

I. Message from IFSA President

Dear Members of IFSA:

As the New Year begins I would like to invite you to continue working to make IFSA a better association in all aspects. In particular, I would like remind you to send your contributions to this newsletter (to Prof. Su, VP of Publicity), so that the activities of all IFSA members are make more visible to all members and non-members of IFSA. Finally, I would like to encourage you to get involved in the activities of the member associations as well.

Thank you

Prof. Oscar Castillo
IFSA President

II. Report on 2011 IFSA Awards

The following materials are provided by the previous award chair, Prof. Luis Magdalena. We thank him for having the job well done.

1. IFSA Award recipients: Ronald Yager and Enric Trillas

The IFSA Award is presented biannually, at the IFSA World Congresses, to one person. Eventually, considering the circumstances, more than one award may be offered. The primary base of decision about the person of the awardee is their life time academic achievement. The President and the Council of IFSA appointed an IFSA Award Board on 2010, July 19 in Barcelona during the Council meeting. This Board consists of the following 5 members:

Kaoru Hirota (President)

Oscar Castillo (President Elect)

Janusz Kacprzyk (Immediate Past President)

Laszlo T. Koczy (Past President, Chairman of the Board)

Luis Magdalena (Vice President for Awards)

The Board members met during the World Conference on Soft Computing held in San Francisco last May. The final decision was to assign two awards to Ronald Yager and Enric Trillas.

2. 2011 IFSA Award for Outstanding Applications of Fuzzy Technology

The IFSA Award for Outstanding Applications of Fuzzy Technology is awarded to engineers and scientists who have made significant contributions to the transfer of fuzzy logic technology from the research environment to successful commercial, industrial, or medical applications. An Applications Award Selection Committee was appointed in Barcelona during the Council meeting. This committee consists of the following 5 members:

Luis Magdalena (Vice President for Awards)

Oscar Castillo

Fernando Gomide

Christer Carlsson

Sungshin Kim

The final decision of this committee then approved by the Board was:

To distinguish the work “Forensic Identification System Using Craniofacial Superimposition

Based on Fuzzy Sets and Evolutionary Algorithms”, by O. Cordón, S. Damas, O. Ibáñez, J. Santamaría, I. Alemán, M. Botella, and F. Navarro as the winner of the Outstanding Applications of Fuzzy Technology Award 2011.

For more detailed information for the work done by this group can refer to the following website: http://docs.softcomputing.es/public/afe/cordon_IFSA_applicationAward.zip

3. L.A. Zadeh Prize (Best Paper Award)

This is a new award mostly supported by Prof. Zadeh’s donation. It will recognize a paper published within the previous two years. Nominations will come from institutional members. The prize should encourage young researchers. The paper, being published within 2009 and 2010, should be selected from FSS, IJAR, IJUFKBS, JACI, or any official journal published by institutional members, and should be written in English.

The final decision was to award the paper:

A. Fernandez, M.J. del Jesus and F. Herrera “Hierarchical fuzzy rule based classification systems with genetic rule selection for imbalanced data-sets,” *International Journal of Approximate Reasoning*, 50 (3), 2009, pp. 561-577.

II. 2011 IFSA Fellows

The IFSA fuzzy fellow award has been created to bestow recognition on people who have made outstanding contributions to the field of fuzzy sets and the related disciplines. Criteria for selection consist of technical contributions, pioneering applications and support and development of the infrastructure of the fuzzy community. The chair of the IFSA fellow committee is Ronald Yager. In 2011, the fuzzy fellows committee selected the following 8 fellows in that they have made important contributions to the field and join the list of other eminent researchers who have contributed over the years to make fuzzy sets the highly regarded field that it has come to be.



Patrick Bosc – IFSA Fellow 2011

Patrick Bosc received the Ph. D degree in computer science from the University of Rennes (France) in 1978. He joined the IRISA (Institut de Recherche en Informatique et Systèmes Aléatoires) and is currently a Professor at ENSSAT (École Nationale Supérieure de Sciences Appliquées et de Technologies), which is part of University of Rennes. His main

research interests concern the roles of fuzzy sets and possibility theory in database management systems. He has especially investigated the extension of query languages to address flexible queries to regular databases as well as the issue of defining sound languages for querying databases containing imprecise or uncertain information. He has published papers in several books, journals and conferences. He has edited books and special issues of journals and he is a co-author of two books related to fuzzy databases. Prof. Bosc is a member of the IEEE Society and of the EUSFLAT Association (part of the IFSA) aimed at the promotion of fuzzy sets in Europe. He is an Associate Editor of the IEEE Transactions on Fuzzy Systems and he is involved in the Editorial Boards of *Fuzzy Sets and Systems* and the *International Journal of Uncertainty, Fuzziness and Knowledge-based Systems*.



Shyi-Ming Chen - IFSA Fellow 2011

Professor Shyi-Ming Chen received the Ph.D. degree in Electrical Engineering from National Taiwan University, Taipei, Taiwan, in June 1991. He is currently a Professor in the Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology, Taipei, Taiwan, and is the Vice President of the National Taichung University of Education, Taichung, Taiwan. He has published more than 390 papers in referred journals, conference proceedings and book chapters. His research interests include fuzzy systems, information retrieval, knowledge-based systems, artificial intelligence, neural networks, data mining, and genetic algorithms.

Professor Chen is an IEEE Fellow, an IET Fellow and an IFSA Fellow. He is currently the President of the Taiwanese Association for Consumer Electronics (TACE). He was the President of the Taiwanese Association for Artificial Intelligence (TAAI) from January 2005 to January 2009. He is a Co-Chair of the IEEE SMC's Technical Committee on Intelligent Internet Systems, the Counselor of the IEEE Student Branch at the National Taiwan University of Science and Technology, the Advisor of the IEEE SMC Student Branch Chapter at the National Taiwan University of Science and Technology, and a member of the Phi Tau Phi Scholastic Honor Society. He was a member of the Board of Governors of the IEEE Systems, Man, and Cybernetics Society from January 2007 to December 2010, an Officer of the IEEE Taipei Section from January 2007 to December 2008, the Vice Chair of the IEEE Computational Intelligence Society, Taipei Chapter, Taiwan, from January 2008 to December 2009, a member of the Board of Directors of the Chinese Fuzzy Systems Association (CFSA) from 1998 to 2004, and a member of the Board of Supervisors of the Taiwan Fuzzy Systems Association (TFSA) from January 2008 to December 2011.

Professor Chen is an Associate Editor of the IEEE Transactions on Systems, Man, and Cybernetics - Part A, an Associate Editor of the IEEE Transactions on Systems, Man, and Cybernetics - Part C, an Associate Editor of the IEEE Transactions on Fuzzy Systems, an Associate Editor of the IEEE Computational Intelligence Magazine, an Associate Editor of Information Sciences, an Associate Editor of Applied Intelligence, an Associate Editor of the Journal of Intelligent & Fuzzy Systems, an Associate Editor of the International Journal of Artificial Intelligence Tools, an Associate Editor of the International Journal of Pattern Recognition and Artificial Intelligence, an Editorial Board Member of Soft Computing, an Editor of the New Mathematics and Natural Computation Journal, an Associate Editor of the International Journal of Fuzzy Systems, and an Associate Editor of the International Journal of Innovative Computing, Information and Control. He is listed in *International Who's Who of Professionals*, *Marquis Who's Who in the World*, and *Marquis Who's Who in Science and Engineering*.



Bernard De Baets - IFSA Fellow 2011

B. De Baets holds an M.Sc. degree in Mathematics (1988), a Postgraduate degree in Knowledge Technology (1991) and a Ph.D. degree in Mathematics (1995). He is a Full Professor (2008) in Applied Mathematics at Ghent University, Belgium, where he is leading the research unit Knowledge-based Systems (KERMIT, 2000) at the Faculty of Bioscience Engineering. He is affiliated professor (2009) at the Anton de Kom Universiteit (Suriname) and an Honorary Professor (2006) of Budapest Tech (Hungary). He was a Government of Canada Award holder (1988-89) at the Intelligent Systems Research Laboratory of Prof. Madan Gupta of the University of Saskatchewan (Canada).

KERMIT is an interdisciplinary team of (bio-)engineers, computer scientists and mathematicians. Its current activities consist of three interwoven threads: knowledge-based, predictive and spatio-temporal modelling. B. De Baets has acted as supervisor of 30 Ph.D. students. At present, numerous Ph.D. students are involved in the research activities of KERMIT, either in-house, through affiliations or in the framework of joint projects. Due to its unique position, KERMIT serves as an attraction pole for applications in the applied biological sciences.

The bibliography of B. De Baets comprises more than 300 publications in international peer-reviewed journals, 60 chapters in books and 260 contributions to proceedings of international conferences. He delivered nearly 200 lectures at conferences and research institutes. He has received several best paper awards (1994, 2006, 2007, 2009, 2010). B. De Baets is co-editor-in-chief (2007) of Fuzzy Sets and Systems and member of the editorial board of several other journals.



Dimitar P. Filev – IFSA Fellow 2011

Dr. Dimitar P. Filev is a Senior Technical Leader - Intelligent Control & Information Systems and leads the Modern Control Methods & Computational Intelligence Section - Research & Advanced Engineering, Ford Motor Company. He is conducting research in modeling and control of complex systems, intelligent control, fuzzy and neural systems, and their applications to automotive engineering. He was awarded with the 2008 Norbert Wiener Award of the IEEE SMC Society and the 2007 IFSA Outstanding Industrial Applications Award. He is recipient of the highest Ford Motor Company corporate awards – he was awarded 5 times with the Henry Ford Technology Award for development and implementation of advanced automotive technologies and he received the 2010 Inaugural Haren Gandhi Research & Innovation Award for his long term research contributions. He has published 4 books and over 200 articles in refereed journals and conference proceedings, and holds over 40 US and foreign patents. He is past president of NAFIPS and serves presently as VP for Cybernetics of the IEEE SMC Society. Dr. Filev is a Fellow of IEEE. He is co-Editor-in-Chief of the Int. J. of Evolving Intelligent Systems. Prior to joining Ford he had academic appointments with the Bulgarian Academy of Sciences, Sofia, Bulgaria and Iona College, New Rochelle, New York. He received his PhD. degree in Electrical Engineering from the Czech Technical University in Prague in 1979.



Hájek Petr – IFSA Fellow 2011

Prof. Hájek is born on February 6, 1940 in Prague. He graduated from Faculty of Mathematics and Physics of Charles University (CU) in 1962, thesis on algebra, post-graduate student at the Institute of Mathematics of the Czechoslovak Academy of Sciences (CSAS), later Academy of sciences of the Czech Republic (AS CR; (mathematical logic, PhD. thesis on set theory); CSc. in 1965; DrSc. 1990; Assist. prof. (CU) 1993; Honorarprofessor of the Technical University in Vienna from 1994. Professor (CU) 1997. He was with Institute of Mathematics CSAS/AS CR to 1992 (last as head scientific worker). From March 1992 to the end of February 2000, he was the Director of the Institute of Computer Science AS CR. Now he work as a senior scientific worker there. His domains of expertise are Mathematical logic and logical foundations of computer science. Present topics of main activities are in mathematical (deductive) fuzzy logic as a many-valued logic with a comparative notion of truth. Over 200 scientific papers have been published. Prof. Hájek has been members of the Association for Symbolic Logic (twice member of its council). In 1995-1999, he was the first Vice-President of the International Union for History and Philosophy of Science, Division

Logic, Methodology and Philosophy of Science. In 1999-2003, he was the President of the Kurt Godel Society. He is or was a member of the editorial boards of the journals Czechoslovak Mathematical Journal, Studia Logica, Archive for Mathematical Logic, Soft Computing, Fundamenta Informaticae. Prof. Hájek has been awarded the Medal of the Minister of Education of the Czech republic 2002, the Medal of "De scientiae et humanitate optime meritis" (from the Academy of Sciences of the Czech Republic) 2006. Also He got the Medal from the President of the Czech Republic 2006.



Toshiaki Murofushi - IFSA Fellow 2011

Toshiaki Murofushi received the B.Sci. degree, the M.Sci. degree, and the D.Sci. degree, from the Tokyo Institute of Technology, Japan, in 1982, 1984, and 1987, respectively. He is currently Associate Professor at the Department of Computational Intelligence and Systems Science, Tokyo Institute of Technology, Japan. He is primarily interested in fuzzy measure theory, and helped the development of this field by introducing the Choquet integral. The most important contribution of his research includes "An interpretation of fuzzy measures and the Choquet integral as an integral with respect to a fuzzy measure", *Fuzzy Sets and Systems*, vol.29 (1989) 201-227, and "A theory of fuzzy measures: representations, the Choquet integral, and null sets", *J. Math. Anal. Appl.*, vol.159 (1991) 532-549.



Radko Mesiar - IFSA Fellow 2011

Radko Mesiar is with the Slovak University of Technology (STU) Bratislava, Slovakia, where he is at faculty of Civil Engineering, Department of Mathematics. He graduated at Comenius University, Faculty of Mathematics and Physics, in 1974, PhD at the same faculty obtained in 1979 with PhD thesis "Subadditive martingale processes." Since 1978, he is a member of the Department of Mathematics at Faculty of Civil Engineering, STU Bratislava and DSc since 1996 (in Czech Republic, Academy of Sciences). He was an associate professor since 1983, a full professor since 1998. He is a fellow member of Czech Academy of Sciences, Institute of Information and Automation, Praha (Czech Republic, since 1995) and of IRAFM, University of Ostrava (Czech Republic, since 2006).

Prof. Mesiar is co-author of two scientific monographs (Triangular Norms, Kluwer, 2000; Aggregation Functions, Cambridge University Press, 2009) and 5 edited volumes. He is also author of more than 200 papers in WOS in journals like *Fuzzy Sets and Systems*, *Information Sciences*, *IEEE Trans. Fuzzy Systems*, *Int. J. General Systems*, *J. Math. Anal. Appl.*, *Int. J. Uncertainty, Fuzziness and Knowledge-Based Systems*, *Kybernetika*, *EJOR*, *Appl. Math.*

Letters, Non-Linear Analysis, etc. He has major contributions in fuzzy set theory: substantial development of the theory of triangular norms and related operations; one of founders of the aggregation theory; significant contribution to fuzzy numbers theory; proposal of new trends and ideas in fuzzy measure and fuzzy integral theory.

Prof. Mesiar is the founder and organizer of conferences FSTA and AGOP, co-founder of the international association EUSFLAT (actually member of its board). He also had research stays in Austria, Belgium, Czech Republic, Germany, France, Italy, Poland, Serbia, Spain, and China. He is area editor of international journals Fuzzy Sets and Systems, Information Sciences, Kybernetika, and member of editorial boards of 5 other international journals. His research fields of interest are: fuzzy sets and fuzzy logic, multicriteria decision support, fuzzy measure and integral theory, uncertainty modelling, copulas, triangular norms, aggregation operators and related operators, intelligent computing.



Sergei Ovchinnikov - IFSA Fellow 2011

Sergei Ovchinnikov received his Ph.D. in Mathematics from Moscow University in 1971. After having held various research and teaching positions in the former Soviet Union, Sergei immigrated to the United States in 1980. He was a Research Associate at the Computer Science Department, UC Berkeley, from June 1980 until September 1981 when he joined the Mathematics Department of SFSU. Sergei has been pursuing research in functional analysis and mathematical social sciences since 1966 and in fuzzy set theory since 1976. His interests in fuzzy set theory include modeling fuzzy binary relations with applications to decision making problems, structure of fuzzy connectives, and fuzzy groups.

LIST OF CURRENT FUZZY FELLOWS (up to 2011)

(list alphabetically)

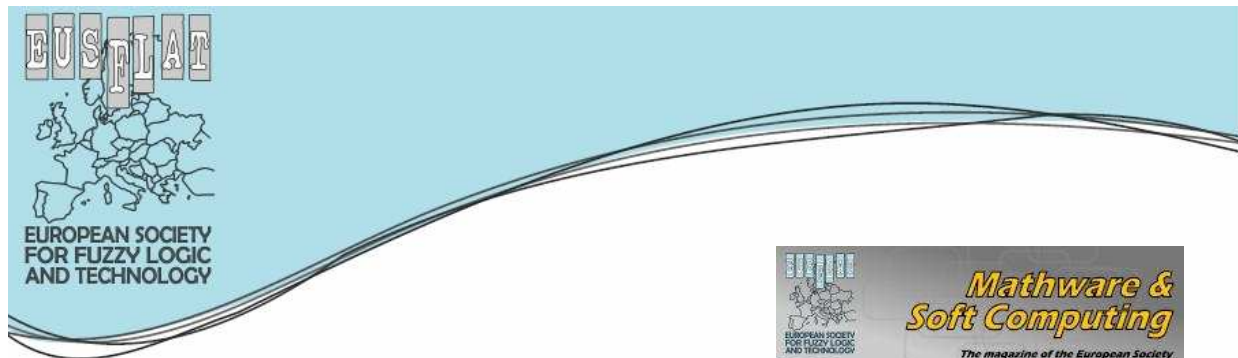
1. Kiyoji Asai, Prof. Emeritus of Osaka Prefecture University, Japan
2. James Baldwin, University of Bristol, UK
3. James Bezdek, University of West Florida, USA
4. Zeungnam Bien, Korea Advanced Institute of Science and Technology, Korea
5. Piero Bonissone, General Electric Co., USA
6. Patrick Bosc, Universite de Rennes I, France
7. Bernadette Bouchon-Meunier, Universite Pierre et Marie Curie, France
8. Christer Carlsson, Abo Akademi University; Finland
9. Guoqing Chen, Sch. of Econ. & Manage., Tsinghua University, China
10. Shyi-Ming Chen, National Taichung University of Education, Taiwan

11. Bernard De Baets, Ghent University, Belgium
12. Didier Dubois, Universite Paul Sabatier, Toulouse, France
13. Dimitar Filev, Ford Motor Company, USA
14. Joseph Goguen, University of California at San Diego, USA
15. Fernando Gomide, University of Campinas, Brazil
16. Siegfried Gottwald, University Leipzig, Germany
17. Madan Gupta, University of Saskatchewan, Canada
18. Petr Hajek, Czech Technical University, Czech
19. Kaoru Hirota, Tokyo Institute of Technology, Japan
20. Ulrich Hohle, University of Wuppertal, Germany
21. Janus Kacprzyk, Systems Research Institute, Polish Academy of Sciences, Poland
22. Abe Kandel, University of South Florida, USA
23. James Keller, University of Missouri, USA
24. Etienne Kerre, Ghent University, Belgium
25. Peter Klement, University of Linz, Austria
26. George Klir, Binghamton University, USA
27. Lazlo Koczy, Budapest University of Technology and Economics, Hungary
28. Bart Kosko, University of Southern California, USA
29. Rudolf Kruse, Otto-von-Guericke-University of Magdeburg, Germany
30. Yingming Liu, Sichuan University, China
31. Ebrahim Mamdani, Imperial College London, United Kingdom
32. Jerry Mendel, University of Southern California, USA
33. Radko Mesiar, Slovak University of Technology Bratislava, Slovakia
34. Sadaaki Miyamoto, University of Tsukuba, Japan
35. Masaharu Mizumoto, Osaka Electro-Communication University, Japan
36. Masao Mukaidono, Meiji University, Japan
37. Toshiaki Murofushi, Tokyo Institute of Technology, Japan
38. Hung T. Nguyen, New Mexico State University, USA
39. Sergei Ovchinnikov, San Francisco State University, USA
40. Nikhil Pal, Indian Statistical Institute, India
41. Sankar K. Pal, Indian Statistical Institute, Calcutta
42. Witold Pedrycz, University of Alberta, Canada
43. Fred Petry, Tulane University, USA
44. Henri Prade, Universite Paul Sabatier, Toulouse, France
45. Dan Ralescu, University of Cincinnati, USA
46. Enrique Ruspini, Artificial Intelligence Center, SRI International, Menlo Park, USA
47. Elie Sanchez, University of Marseille, France
48. Michio Sugeno, Prof. Emeritus of Tokyo Institute of Technology, Japan

49. Tomohiro Takagi, Meiji University, Japan
50. Hideo Tanaka, Prof. Emeritus of Osaka Prefecture University, Japan
51. Toshiro Terano, (He passed away on Feb. 15, 2005.)
52. Settimo Termini, University of Palermo, Italy
53. Enrique Trillas, Technical University of Madrid, Spain
54. Burhan Turksen, University of Toronto, Canada
55. José Luis Verdegay, University of Granada, Spain
56. Ronald Yager, Iona College, USA
57. Takashi Yamakawa , Kyushu Institute of Technology, Japan
58. Lotfi Zadeh, Berkeley Initiative in Soft Computing, USA
59. Hans Zimmerman, RWTH Aachen, Germany

IV. Message from IFSA Institutional Members

1. European Society for Fuzzy Logic and Technology



Following the Mathware&Soft Computing journal, and also linked to the European Society for Fuzzy Logic and Technology (EUSFLAT), the new Mathware&Soft Computing electronic magazine is born.

This magazine is oriented to researchers in the soft computing community as well as those others that may find of interest fuzzy techniques, in particular, and soft computing, in general. That's why, apart from proper scientific papers, we also want to include overviews, surveys and works that, from a general point of view, allow scientists in different fields to understand the history, the fundamental treated questions or the challenges in specific subjects that, due to their nature, can be interesting for a wide audience.

We are publishing two issues per year that will be available online at:



<http://giara.unavarra.es/msc>

We count on the collaboration of readers for the next issue, scientific collaborations, news, etc... can be sent before **May 1, 2012** to the following addresses: bustince@unavarra.es or magazine@eusflat.org.

With this announcement we invite all IFSA community to start reading the exciting interview of R.R. Yager to L.A. Zadeh, “A meeting between two giants of Artificial Intelligence”, and continue with other positional and overview articles offered by qualified researchers like D. Dubois and H. Prade with their “Possibility Theory and its Applications: Where Do we Stand”, among other papers.

In the EUSFLAT Magazine you can also find some news about conferences and other activities held within EUSFLAT, particularly about EUSFLAT Working Groups.

A short obituary for D. Ruan, EUSFLAT board member and appreciated colleague who unexpectedly passed away last July 31, 2012, has been prepared in this issue by E.E. Kerre and some other friends of his.

2. Hispanic-American Fuzzy Systems Association

This Association is a non-profit organization formed by, professors, researchers and students that have a real interest and work actively in the fuzzy systems area, and that live in countries of the American continent in which Spanish is the main language. This association also accepts individuals from related computing areas, such as neural networks, evolutionary computing, and soft computing in general. The main goal of the association is to promote research and education in the area of fuzzy systems and related areas of soft computing. Another important goal of the association is the promotion and exchange of new ideas, and building new collaborations between researchers of different institutions.

By definition, this association covers, geographically speaking, the region that goes from Mexico to South America in which Spanish is the main language. In other words, the list of countries is as follows: Mexico, Guatemala, Honduras, Nicaragua, San Salvador, Panama, Colombia, Venezuela, Ecuador, Peru, Bolivia, Chile, Argentina, Paraguay, Uruguay, Dominicana, and Cuba. In all of these countries there is some research work in fuzzy systems being carried out, but a lot has to be done in promoting this research area and related ones.

One of the most important goals of the association is the organization of annual events, such as Conferences and Workshops, in Mexico or in the other member countries, in the areas of fuzzy systems and soft computing. These events promote the participation of researchers, professors and students from the region and also from other countries, to stimulate the exchange of ideas and future collaborations. The association has at least one council meeting per year in one of these events. In these council meetings, the members discuss and make presentation of new projects and policies for the association. Initially, the association has

individual members from several Mexican Universities, Research Centers, and Industry, and also from the other member countries. The list of Mexican institutions is the following:

- 1) Tijuana Institute of Technology
- 2) UABC University
- 3) CITEDI-IPN Research Center
- 4) CICESE Research Center
- 5) Chihuahua Institute of Technology
- 6) La Salle University
- 7) CINVESTAV Research Center of Mexico City
- 8) CINVESTAV Research Center of Guadalajara City
- 9) UNAM University
- 10) National Polytechnic Institute
- 11) CENIDET Research Center

This association was founded on June of 2003 and was the organizer of IFSA 2007 World Congress that was held in Cancun, Mexico.

PRESIDENT of HAFSA

Prof. Dr. Patricia Melin

V. Call for Papers of iFUZZY2012

Thanks to technical support from International Fuzzy Systems Association and other two well-known societies, Taiwan Fuzzy Systems Association and National Chung Hsing University, Taichung, Taiwan, work together as co-founders to organize a brand-new 2012 international conference on fuzzy theory and its applications (iFUZZY2012) on 16-18 November, 2012. This three-day conference, hosted by National Chung Hsing University, Taichung, Taiwan, is aimed to provide a very good opportunity for research scientists, investigators, industrial practitioners and government representatives to present their results and to exchange their ideas in all aspects of fuzzy theories, technologies and applications. Currently, iFUZZY2012 program committee is soliciting novel research results on fuzzy theory and its applications and related topics. For details of the conference and topics of interest, please visit the conference website at <http://ifuzzy2012.nchu.edu.tw>. Here we sincerely invite all IFSA members to submit papers to this conference and welcome to visit the so-called beautiful island, Taiwan. For more tour information of Taiwan, please visit the Taiwan Tourism Bureau website: <http://www.tboc.gov.tw>.

Since iFUZZY2012 has also cooperated with the international Journal of Fuzzy Systems (IJFS with SCI IF=1.263) to have a special issue for this conference, the CFP is also attached for reference. The final Q/A of possible papers for this special issue will be held in the conference. Please encourage your colleagues to submit papers.

Sincerely yours,

Ching-Chih Tsai
General Chair, iFUZZY2012,
Distinguished Professor, Department of Electrical Engineering,
National Chung Hsing University,
Taichung, Taiwan

Contributions for the Next Issue

If you are interested in contributing information or articles for the next issue of the IFSA newsletter, please send a word file to sfsu@mail.ntust.edu.tw. The deadline for contents appearing on the next issue is May, 15, 2012.

iFUZZY

2012 International Conference on Fuzzy Theory and Its Applications

2012

National Chung Hsing University, Taichung, Taiwan

November 16-18, 2012

Honorary General Chairs

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Tsu-Tian Lee, Chair Professor, Chung-Yuan Christian Univ.

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Chien-Cheng Yu, Hsiuping Univ. of Sci. and Tech., Taiwan

Organized by

National Chung Hsing Univ., Taiwan Fuzzy System Association

Sponsored by

National Science Council, Taiwan

Ministry of Education, Taiwan

Taipei Chapter, IEEE CIS

Taichung, Taipei, and Tainan Chapters, IEEE SMC Society

Taipei Chapter, IEEE Robotics & Automation Society

Chinese Automatic Control Society

Technically Sponsored by

IEEE SMC Society, International Fuzzy System Association (IFSA),

Korean Institute of Intelligent System (KIIS)

In Cooperation with

International Journal of Fuzzy Systems

International Journal of Intelligent Systems Science and Technology

International Journal of Computational Intelligence Research and Applications

2012 International conference on Fuzzy Theory and Its Applications (*iFUZZY2012*) will be hosted by National Chung Hsing University (NCHU), Taichung, Taiwan, on November 16-18, 2012. *iFUZZY 2012* is soliciting novel research results on fuzzy theory and its applications and related topics. Jointly organized by Taiwan Fuzzy Systems Association and NCHU, this conference provides a very good opportunity for research scientists, investigators, industrial practitioners and government representatives to present their results and to exchange their ideas. For paper submissions and more information, please visit the conference website at <http://ifuzzy2012.nchu.edu.tw>. Topics of interests include but are not limited to:

Business Intelligence, Computing with Words, Evolutionary Computation and Optimization, Fuzzy Classification and Clustering, Fuzzy Control and Robotics, Fuzzy Data Analysis, Fuzzy Decision Making and Support, Fuzzy Identification and Estimation, Fuzzy Image, Speech and Signal Processing, Fuzzy Information Processing, Fuzzy Integral, Fuzzy Intelligent Database Systems, Fuzzy Hardware and VLSI Chip, Fuzzy Mathematics, Fuzzy Optimization, Fuzzy Pattern Recognition, Fuzzy Reasoning, Fuzzy Applications in Biomedical, Fuzzy Applications in Bioinformatics, Fuzzy Applications in Business Management, Fuzzy Applications in Communications and Networking, Fuzzy Applications in Computer Vision, Fuzzy Applications in Finance, Fuzzy Applications in Engineering, Fuzzy Applications in Insurance, Fuzzy Applications in Logistic Management, Fuzzy Applications in Risk Management, Fuzzy Applications in Diagnosis and Therapy, Fuzzy Applications in Manufacture Process, Fuzzy Applications in Machine Design, Fuzzy Applications in Statistical Process Control, Hybrid Systems, Intelligent Control, Intelligent Signal Processing, Machine Learning, Modeling and Simulation, Natural Language Processing, Neural Fuzzy Systems, Rough Set, Soft Computing Applications, and Others

Important Dates

August 5, 2012.

Proposals of organized/invited sessions

August 20, 2012.

Submission of contributed papers

October 1, 2012.

Notification of acceptance

October 15, 2012.

Final papers due

Submission Policies:

Papers submitted should be written in English. All submissions must be made electronically in PDF format via the conference website at <http://ifuzzy2012.nchu.edu.tw>.

The official language of the conference is English. All the accepted papers are EI-indexed and included in the IEEE Xplore database. Some high-quality papers can be directly published in the special issue of International Journal of Fuzzy Systems with Impact Factor of 1.362; for details, please see [Call for paper for Special Issue on International Journal of Fuzzy Systems](#).

Contributed Papers:

Submit full paper manuscripts of no more than 6 pages in total length. Download [Paper Template](#).

Organized/ Invited Sessions:

iFUZZY2012 welcomes proposals for organized/ invited sessions within conference scope. Please put the proposal and the extended abstracts of all constituent papers in ONE electronic file when submitting. Please see [Guidelines for Proposals of Organized/Invited Sessions](#) for details.

Best Conference Paper Award Contest:

Identify your submission as the contest entry when you upload your manuscript electronically.

Please see [Guidelines for the Best Conference Paper Award Contest](#) for details.



iFUZZY2012 Secretariat:

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Call for Papers

International Journal of Fuzzy Systems

Special Issue for 2012 International Conference on Fuzzy Theory and Its Applications (iFUZZY2012)

Fuzzy theory has been a practical alternative for numerous challenging applications because it can provide nonlinear mechanisms with the use of heuristic information or some intelligent means. The 2012 international conference on Fuzzy Theory and Its Applications (iFUZZY2012) just gets started this year, whereas its national conference in Taiwan has been 20 years since its first launch in 1993. *International Journal of Fuzzy Systems* intends to create a special issue for this new international conference, iFUZZY2012. In order to expedite the review process of all submitted papers, we will have a special session in iFUZZY2012 to let authors have chances to reply to the reviewers' comments. All intended authors are asked to submit a corresponding conference paper to the conference and promise to have the full journal paper ready on Oct. 20. We will send out the review comments before Nov. 5 so that the authors can prepare their replies to be presented on Nov. 16. If the reviewers are satisfied with the replies, the submitted papers will be accepted for publication in the journal and are expected to be published in the last issue of 2012 or the first issue of 2013.

Key Dates :

Conference paper submission deadline: August 20th, 2012.

Journal paper submission deadline: October 20th, 2012.

The first review notification: November 5th, 2012.

Onsite replies to the review comments: November 16th, 2012.

The final review notification: Nov. 31st, 2012.

Planned publication date: December 2012 or March, 2013

Guest Editors:

Dr. Ching-Chih Tsai, Professor of Electrical Engineering, National Chung Hsing University, Taichung, Taiwan

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Submission information available at <http://ifuzzy2012.nchu.edu.tw>