

Curriculum Vitae of Gabriella Pasi

Personal Data and Contact Information	page 2
Education	page 2
Research and academic positions	page 2
Visiting positions	page 2
Research Experience	page 2
Short Description of Research Activities	page 2
Service Activities	page 3
Research Projects	page 4
Invited Talks	page 4
Plenary Lectures / Keynote Talks	page 4
Panel Sessions	page 5
Invited Lectures	page 5
Teaching Experience	page 6
Teaching in Universities	page 6
Summer Schools and Professional Courses	page 7
Tutorials	page 7
Organization activities	page 8
Conference and Workshop Organization	page 8
General Chair	page 8
Program or Track Chair	page 8
Other Chairing Activities	page 9
Participation to International Committees	page 10
Panels and committees for the evaluation of research	page 10
Steering Committees	page 10
Other Committees	page 10
Editorial activities	page 11
Editorials Boards	page 11
Edited Books / Proceedings	page 12
Special Issues	page 12
Reviewer of International Journals	page 13
List of Publications	page 14

Personal Data and Contact Information

Gabriella Pasi

Office Address: Università degli Studi di Milano Bicocca
Dipartimento di Informatica Sistemistica e Comunicazione
Viale Sarca 336, Milano, Italy

Office Phone: +39-02-64487847

Email : pasi@disco.unimib.it

Education

- **Laurea (master) in Computer Science** (summa cum laude), University of Milano, February 11th 1985.
- **PhD in Computer Science**, University of Rennes, France (mention Très Honorable), October 1999. Title of the thesis “*Application de la Théorie des Ensembles Flous pour la Définition de Systèmes Flexibles de Recherche d’Information*”.

Research and Academic Positions

- From March, 1st 2015: **Full Professor** at the UNIVERSITY OF MILANO BICOCCA, Milano, Italy.
- March 1st 2005 – March 1st 2015: **Associate Professor** at the UNIVERSITY OF MILANO BICOCCA, Milano, Italy (Department of Informatics, Systems and Communication).
- April 1985 - February 2005: **Researcher** at the NATIONAL RESEARCH COUNCIL (CONSIGLIO NAZIONALE DELLE RICERCHE). She was first affiliated to the Institute for Research in Cosmic Physics and Related Technologies (1985-1993), then from 1994 to 2003 to the Institute for Multimedia Technologies and from 2003 to 2005 to the Institute of for Construction Technologies (ITC).
- 2002 - 2014: **Contract Professor** at the UNIVERSITÀ DELLA SVIZZERA ITALIANA, Lugano, Switzerland (courses taught in English).
- 1995 – 1998: **Contract Professor** at the UNIVERSITÀ DEGLI STUDI DI TRENTO, Faculty of Economy.

Qualifications

- In 2017 she has been **qualified** for the function of **Director of the Dipartimento of Ingegneria, ICT e Tecnologie per l’Energia e i Trasporti** of the **Italian National Council of Research**.
- In 2011 she has been **qualified** for the function of **University Professor in France**.

Visiting Positions

- **Visiting Professor** (with fellowship) at the INSA OF LYON, FRANCE. June 2017.
- **Visiting Professor** (with fellowship) at the INSA OF LYON, FRANCE. May 2016.
- **Visiting Professor** (with fellowship) at the UNIVERSITY OF GRENOBLE, FRANCE. June 2014.
- **Visiting Professor** (with fellowship) at the UNIVERSITY OF LYON, FRANCE. June 2013.
- **Visiting Professor** (with fellowship) at the UNIVERSITY OF TOULOUSE, FRANCE. February 2010.
- **Visiting Professor** (with fellowship) at the UNIVERSITY OF RENNES, FRANCE. June 1998.
- **Visiting Scientist** (with fellowship) at the ECOLE NATIONALE SUPÉRIEURE DE SCIENCES APPLIQUÉES, LANNION (UNIVERSITÉ DE RENNES I), FRANCE, November 1995.

Research Experience

Short Description of Research Activities

The research activity of Gabriella Pasi addresses various tasks related to the analysis of texts in natural language and to the extraction of knowledge/information from texts. In particular, she has been working at the definition of innovative models and systems that allow an effective and personalized access to information relevant to specific user needs. Since a few years she is also working at the issue of analyzing various aspects of the information (user generated content) produced on social media.

In relation to the issue of accessing information relevant to specific users’ needs, the considered categories of systems include Information Retrieval Systems (Search Engines), Information Filtering Systems (recommender Systems), Database Management Systems and Decision Support Systems. The common objective of the research

activities undertaken in relation to this issue is defining flexible and intelligent systems, able to manage both precise and imperfect information, i.e. information affected by imprecision/vagueness and/or uncertainty, and to adapt to the user context. The design of such flexible systems has been pursued by investigating the application of “soft computing” techniques (mainly based on fuzzy set theory, possibility theory, and fuzzy multi-criteria decision making) to various tasks concerning both text representation and retrieval. In particular, the use of Possibility Theory has been investigated to define models for the representation of incomplete data and information; Fuzzy Set Theory has been applied to define both flexible query languages, and innovative retrieval models.

Multi Criteria Decision Theory, especially concerning the problem of aggregation, has been applied in both contexts of IR (e.g. for multi-dimensional relevance assessment) and of social media analytics.

She is actually working on various research topics related to the above issues, among which:

- Text mining
- Imprecise Knowledge Representation
- Definition of systems for contextual information access
- User Profiling by means of: language and topic models, semantic networks, deep neural networks.
- Social media analytics
- Recommender Systems
- Analysis of information diffusion on social networks.
- Evaluation of personalised Search

Since 2005 *she leads the Information Retrieval Laboratory* within the Department of Informatics, Systems and Communication, University of Milano Bicocca. Her research group is actually composed of an RTDB (Marco Viviani), two PhD students (Divi Praseyo Putri and Elias Bassani) and a research collaborator (Yashar Deldjoo). The Information Retrieval Laboratory has been hosting several visiting PhD students and visiting professors. Gabriella Pasi has supervised more than 100 Bachelor and Master Thesis, some of which at the *Università della Svizzera Italiana*, Lugano, Switzerland (*Faculty of Informatics*).

Within the Institute of Multimedia Technologies of the National Council of Research (C.N.R.) she was responsible of the research line "*Modelling imprecision and uncertainty in systems for information access*".

Service Activities

Institutional Service Activities

- **Member** of the committee for the evaluation of the research quality at University of Milano-Bicocca (Presidio per la Qualità della Ricerca – PQA ramo Ricerca).
- **Scientific responsible for DISCO-UNIMIB** of the “Convenzione Operativa” between the Dipartimento di Informatica, Sistemistica e Comunicazione of UNIMIB (DISCO-UNIMIB) and the “Istituto per il Rilevamento Elettromagnetico dell’Ambiente” of CNR (IREA-CNR).
- **President** of the committee of the University Web Site (commissione sito Web di Ateneo).
- **Member** of the PhD Board (“*Collegio dei Docenti del Dottorato*”) of the PhD in Computer Science.
- **President** of the “*Commissione Paritetica Studenti*” at the Department of Informatics, Systems and Communication of the University Milano Bicocca (until 2017).
- **Member** of the Department Board (“*Giunta di Dipartimento*”) of the Department of Informatics, Systems, and Communication, University of Milano Bicocca (from 2012 to 2014).
- **Member** of the Research Institute Board (“*Consiglio di Istituto*”) of the Institute for Multimedia Technologies of the National Council of Research (from 1995 to 2003).

Professional Service Activities

- **President** of the *European Association on Fuzzy Logic and Technologies* (EUSFLAT) (2013-2017)
- **Director** of the Italian Research Center of the Web Intelligence Consortium (<http://wi-consortium.org/>)
- She has been awarded of the “**Web Intelligence Outstanding Service Award**” in 2009 (<http://wi-consortium.org/wicweb/html/wicawards.html>)
- **Member of the board of directors** of the specialist group in Computer Science of the Italian Electrotechnical Association (AEI) (from 2000 to 2012).

Evaluation of Research

- **Expert** for the call H2020-SC1-2017-CNECT-1, RIA- Research and Innovation Actions, SC1-PM-15-2017: Personalised coaching for well-being and care of people as they age. **2017**.

- **Member of the Scientific Steering Committee** (Comité d'Orientation Scientifique - COS) of the Aix-Marseille University, 2015 (aim: to provide an opinion on the research activities of the Aix-Marseille University and to make proposals on future strategy and science policy for the site of Aix-Marseille).
- **Member of the Panel of Experts** of Computer Science of the **European Research Council (ERC)**, Programme Ideas, *Starting Grants* (2008-2011) and *Consolidator Grants* (2013).
- **Member of the Evaluation Committee** of Italian FIRB and PRIN PROJECTS (2012-2013)
- **Member of the Committee** for the Evaluation of Research in Italy (CIVR – Comitato di Indirizzo per la Valutazione della ricerca) (2005-2009).
- **Evaluator for the Croatian Science Foundation (CSF).**
- **Evaluator for the French National Research Agency (ANR), France**
- **Evaluator for the Swiss National Science Foundation.**
- **Expert (external examiner)** of numerous PhD Committees in Universities abroad.

Research Projects

European Projects/Actions

- **Member of the Management Committee** (MC Member) of the COST ACTION IC1002: *Multilingual and multifaceted interactive information access* (MUMIA) (31/11/2010 – 29/11/2014).
- **Erasmus Intensive Programme** to support the European summer school on “*Information Foraging*”, Nijmegen, Monday 27 August - Friday 7 September 2012.
- **Coordinator of the European Project** *Personalized News Content Programming – PENG*” (within CNR). This was a STREP (Specific Targeted Research or Innovation Project) within the EC 6th Programme, Priority II, Information Society Technology (1 September 2004 - 31 August 2006). IST 004597 (Budget around 1.800.000 euro).
- **Principal Investigator** of the European Project *electronic Court: judicial IT-based management (e-COURT* within the 5th EC Programme, Information Society Technologies (IST), IST-2000-28199 (1 June 2001- 30 November 2003).
- **Scientific responsible** of the node ITIM-CNR of the excellence network Erudit (*European Network in Uncertainty Techniques Developments for Use in Information Technology*) (1998 – 2000)
- **Co-responsible** of the node ITIM-CNR of the excellence network *ESPRIT Information and Data on Open Media for Networks of Users*” (DGXIII Information technology industries and telecommunications (1992).

Other Projects

- **Responsible (PI)** of a project financed by Regione Lombardia finalized at the definition of a search engine for the open data archives of Regione Lombardia (Title of the project “Progettazione e sviluppo di un motore di ricerca (ricerca standard e personalizzata) sugli archivi Open Data di Regione Lombardia”, start date 01/10/2016, duration 18 months).
- She has managed and she is actually managing collaborations with private enterprises (“collaborazioni Conto Terzi”), finalised at the design and implementation of ad hoc, innovative ITC solutions, especially related to search personalization (SAES Getters, NewGo, ENEL).
- **Associated Researcher** with the Universidad de A Coruña within the project “*HYPERGRAPH High Performance processing for large data sets represented as Graphs*”, Proyectos de Investigación Fundamental, directed by da Ricardo Baeza-Yates (Yahoo! Research, Barcelona, Spain), 2009.
- **Principal Investigator** of the project “*Soft Computing*”, within the convention between the Autonomous Province of Trento, the University of Trento and the National Council of Research. Aim of the project was the definition of a relevance feedback mechanism (1998-2000).
- **Principal Investigator** of the project “*Definition of a fuzzy Object Oriented Data Base Management System*”, funded by ENEL (The Italian Provider of Electrical Energy). In this context a previously defined fuzzy object-oriented data model for the management of imprecise and uncertain information has been implemented on a commercial system for the management of object oriented data bases (1997-1998).
- **Principal Investigator** of the project “*Fuzzy Technologies for the management of imprecision in Object Oriented Data Base Management Systems*”, funded by ENEL (The Italian Provider of Electrical Energy). In this context a fuzzy object-oriented data model for the management of imprecise and uncertain information has been defined (1995-1996).

- Within the Institute of Multimedia Technologies of the National Council of Research (C.N.R.) she was responsible of the research line "*Modelling imprecision and uncertainty in systems for information access*". She was also principal investigator of several projects funded by C.N.R.

Invited Talks

Plenary Lectures/Keynote Talks

- **Keynote talk**, "Assessing Information Credibility in the Social Web", The 17th Dutch-Belgian Information Retrieval workshop - DIR 2018, 23rd September 2018, Leiden, Netherlands.
- **Keynote talk**, "Aggregation guided by fuzzy quantifiers in IR and in Social Media Analytics", 10th European Symposium on Computational Intelligence and Mathematics October 7th - 10th, 2018, Riga, Latvia.
- **Keynote talk**, "Evaluation of (personalized) Search Engines and Recommender Systems: two sides of the same coin ?", CLEF 2018, 10-14 September 2018, Avignon, France.
- **Keynote talk**, "A model driven approach to predictive tasks based on aggregation operators", 14th Conference on Fuzzy Set Theory and Applications (FSTA 2018), Liptovský Ján, Slovak Republic, January 28th – February 2nd, 2018.
- **Keynote talk**, "The issue of Information Credibility on the Social Web", *International Conference on Web Research (ICWR)*, Teheran, Iran, April 10th – 11th, 2017.
- **Keynote talk**, "The role of aggregation guided by fuzzy quantifiers in IR and in Social Media Analytics", IEEE Conference on Fuzzy Systems (FUZZ-IEEE 2017), July 9-12 2017, Naples, Italy.
- **Keynote talk**, "The issue of Information Credibility on the Social Web", *International Symposium on Web Algorithms (iSWAG)*, Deauville, France, June 9th – 10th, 2016.
- **Keynote talk**, "On the Issue of Aggregation in Information Retrieval", 6th International Conference on Web Intelligence, Mining and Semantics (WIMS 2016), Nîmes, France, June 13th – 15th, 2016.
- **Keynote talk**, "On the Issue of Aggregation in Information Retrieval", *Conférence en Recherche d'information et Applications (CORIA)*, Toulouse, France, March 8th – 11th, 2016.
- **Keynote talk**, "User Models as Personal Ontologies", 12th International Conference on Concept Lattices and their Applications, Clermont-Ferrand, France, October 13th-16th, 2015.
- **Plenary talk**, "Queries and search engines: uncertainty issues", *International Conference on Flexible Query Answering Systems*, Cracow, Poland, October 26th -28th, 2015.
- **Keynote talk** "Exploiting users preferences and users actions in defining user models for personalized search", International conference on *Intelligent Human Computer Interaction (IHCI 2014)*, December 8-10, 2014, Paris, France.
- **Keynote talk** "Personal Ontologies", 19th International Conference on Application of Natural Language to Information Systems, NLDB 2014, 18-20 June 2014 – Montpellier, France.
- **Keynote Talk** "Contextualising Search", EGC-M 2012: The 3rd International Conference on the Extraction and Management of Knowledge – Maghreb, November 12 – 15, 2012, Hammamet, Tunisia.
- **Plenary Talk** "Contextualising Search: Issues and Challenges", Ninth International Conference on Flexible Query Answering Systems (FQAS 2011), 26-28 October 2011, Ghent, Belgium.
- **Keynote Talk** "Issues on Preference Modeling and Personalization in Information Retrieval", IEEE/WIC/ACM Joint International Conferences on Web Intelligence and Intelligent Agent Technology, York University, Toronto, Canada, 31 August - 3 September 2010, Toronto, Canada..
- **Plenary Talk** "Accès Flexible à l'Information Structurée", Conférence en Recherche d'Informations et Applications, CORIA 2005, Grenoble, 9-11 March 2005.
- **Plenary Talk** "Soft Information Retrieval", Rencontres Francophones sur la Logique Floue et ses Applications, Lyon, France, December 1997.
- **Plenary Talk** "Fuzzy Approaches to Soft Information Retrieval", Les Applications des Ensembles Flous, Nîmes, France, October 1993.
- **Plenary Talk** "Intelligent Information Retrieval: some research trends", Online World Conference on Soft Computing in Industrial Applications (WSC7), September 2002.
- **Plenary Talk** at the 13th Spanish Conference on Fuzzy Logic and Technologies (ESTYLF 2006), Ciudad Real, Spain, September 20-22, 2006.

Panel Sessions

- **Panelist** at the at the Ninth International Conference on Flexible Query Answering Systems (FQAS 2011), 26-28 October 2011, Ghent, Belgium.

- **Panelist** at the Panel *Exploratory and Complex Search* with Ricardo Baeza-Yates (Yahoo! Research Barcelona), Paolo Boldi (Università degli Studi di Milano), Gabriella Pasi, moderator: Stefano Ceri, Second Workshop on Search Computing, Milano, 25 May 2010.
- **Panelist** at the Panel *Fuzzy Sets in Information Systems*, IEEE International Conference on Fuzzy Systems, Imperial College, London, UK, 23-26 July 2007.
- **Panelist** at the Panel *How can Soft Computing Support Multimedia Organization and Retrieval?*, IEEE International Conference on Fuzzy Systems, Imperial College, London, UK, 23-26 July 2007.
- **Panelist** at the Panel *Fuzzy Sets in Information Systems*, 12th International Fuzzy Systems Association World Congress, IFSA 2007 World Congress, Cancun, Mexico, 18-21 June 2007.
- **Panelist** at the Panel *Fuzzy Sets in Information Systems*, Berkeley Initiative on Soft Computing Special Event, BISCSE 2005, University of California, Berkeley, 2-5 November 2005.
- **Panelist** at the Panel *Hot Research Topics in Intellisystems*, International IEEE Conference on Fuzzy Systems, Anchorage, Alaska, 5-9 May 1998.

Invited lectures

- *Contextual Search and Contextual Factors Aggregation*, LRIA Science Days, LRIASD 2014, USTHB, Algiers, May 20-21, 2014.
- *Contextual Search and Contextual Factors Aggregation*, 11th atelier du collège doctoral MDPS. Lyon 9 - 13 December 2013.
- *Flexible and Personalized Approaches to Information Retrieval and Information Filtering*, Université de Nantes, 26 June 2008.
- *Uncertainty in Information Retrieval: How Can Fuzzy Sets Help?*, International Workshop on Research Issues in Digital Libraries, Kolkata, West Bengal, India, 12-15 December 2006 (<http://www.isical.ac.in/~iwridl/program.html>).
- *Soft Approaches to Web Information access*, International Workshop “Fuzzy Logic and the Semantic Web”, Faculté de Medicine de Marseille, 11 February 2005.
- *Flexible Querying of Semi-Structured Information*, (15th International Workshop on Database and Expert Systems Applications (DEXA 2004), 30 August - 3 September 2004, Zaragoza, Spain.
- *Invited guest at the Media Laboratory of Massachusetts Institute of Technology* (MIT Boston), June 1999. (Michael Bove).
- EUROFUSE Workshop on Preference Modelling and Applications, Granada, 25-28 April 2001.
- *Automatic text retrieval*, Madeira Tecnopolo Workshop: Extended Systems: Control, Learning and Self-organization, Madeira Tecnopolo, Funchal, Madeira, Portugal, 5-10 April 1998.
- *Flexible Information Retrieval Systems*, Workshop on Advanced Graphics and Multimedia Systems, 17-19 November 1998, Napoli, Italy.
- *Modeling Vagueness and Uncertainty in Object-Oriented Databases*, meeting “Advances in Fuzzy Databases” of the SIG Fuzzy Information Engineering of Erudit (European Network in Uncertainty Techniques Developments for Use in Information Technology), Lyon, 5 December 1997.
- *Flexible Query Languages in Information Systems*, Dipartimento di Elettronica del Politecnico di Milano, 30 January 2001.
- *FOOD: a Graph-based Fuzzy Object Oriented Data Model*, University of Ghent, Faculty of Engineering, 8 March 2000.
- *Some Applications of Fuzzy Set Theory to Information Retrieval*, Department of Computing Science, University of Glasgow, 5 June 2000.
- *FOOD: a Graph-based Fuzzy Object Oriented Data Model*, University of Ghent, Faculty of Engineering, 8 March 2000.
- *Representation of incomplete information in Data Base Management Systems* (6 December 2000), Università degli Studi di Milano – Bicocca.
- *FOOD: a fuzzy data model based on the object-oriented paradigm* (13 December 2000), Università degli Studi di Milano – Bicocca.
- *Applications of Fuzzy Set to Information Retrieval* (23 January 2001), University of Milano – Bicocca.
- *Some Applications of Fuzzy Set Theory to Information Retrieval*, Istituto per l’Elaborazione dell’Informazione of C.N.R. Pisa, 27 June 1999.
- *Logica fuzzy in multi-criteria decision making*, Università di Venezia, 18 December 1999.
- *Fuzzy Indexing of Structured Documents*, Louisiana State University, Baton Rouge, 12 September 1996.
- *Fuzzy Information Retrieval: an overview*, Università degli Studi di Trento, 10 November 1994.

Teaching Experience

Teaching in Universities

- 2005-2018: University of Milano Bicocca.
Courses (both in Italian and in English):
 - *Programming Languages* (second year of the Bachelor in Computer Science, 8 credits) (in Italian)
 - *Information Retrieval* (Master in Computer Science, 6 credits) (in English since 2017)
 - *Text Mining and Search* (Master in Data Science, 6 credits), since 2018, in English.
 - (until 2012) *Information access on the Web* (Bachelor in Computer Science, 4 credits) (in Italian).
 - In 2012 and 2014: *Advanced Topics in Information Retrieval* (Course for the PhD in Computer Science, in English)
- 2002-2014: **Contract Professor** at the Università della Svizzera Italiana, Lugano, Swiss, Faculty of Informatics (since 2008), and Faculty of Communication Science (from 2002 to 2011)
Courses (in English):
 - *Fundamentals of Computer Science* (Bachelor, Faculty of Communication Science, till 2005, 6 ETCS)
 - *Information Retrieval* (Master in Communication Technologies, Faculty of Communication Science till 2011, 6 ECTS)
 - *Information and Knowledge Management I - Data Bases* (Bachelor in Computer Science, Faculty of Informatics, 3 ECTS, 2008-2012)
 - *Data Base* (Master in Management & Informatics, Faculty of Informatics, 6 ECTS, 2013-2014)
- From 2001 to 2004: **Contract Professor** at the University of Milano Bicocca
Course (in Italian):
 - *Paradigms of Programming Languages* (Bachelor in Computer Science, 6 credits)
- From 1995 to 1998: **Contract Professor** at the University of Trento.
Course (in Italian):
 - *Fuzzy Models in Decision Making* (Faculty of Economy)
- From 1996 to 2000: **Contract Professor** within the Master "*Advanced Technologies for Information and Communication*" at the the International Institute for Advanced Scientific Studies "Eduardo R. Caianiello", Vietri sul Mare, Italy)
Course (in English): *Information Retrieval*

Summer Schools

- *Contextual Search, 11th European Summer School in Information Retrieval (ESSIR 2017)*, 4-8 September 2017, Barcelona, Spain.
- *Aggregation guided by Fuzzy Quantifiers in Information Retrieval and in Social Media Analytics, III European Summer School on Fuzzy Logic and Applications*, 17-21 July 2017, Santiago de Compostela, Spain.
- *Information Retrieval and Analysis of User Generated Content, First European Summer School on Fuzzy Logic and Applications*, September 7th – 11th 2015, Como, Italy.
- *Information Retrieval and User Profiling, Summer School on BI & Big Data Analytics 2015*, June 10th – 12th 2015, Capri, Italy.
- *Contextual Search and Contextual Factors Aggregation, 3rd MUMIA Training School on Information Retrieval and Interactive Information Access*, 21-25 July 2014, Heraklion, Crete.
- *Contextual Search: Issues and Challenges, European Summer School in Information Retrieval (ESSIR 2014)*, 2-7 September 2013, Granada, Spain.
- *Context and Personalisation, 3rd summer school on Information Foraging*, 18-30 August 2013, Radboud University, Nijmegen, Netherlands.
- *Uncertainty issues in query formulation, 2nd summer school about "Information Foraging*, 27 August-7 September 2012, Radboud University, Nijmegen, Netherlands.
- *Contextualising Search, 1st MUMIA Training School: Building Next Generation Search Systems*, Olympiada, Chalkidiki- Greece, 24 - 28 Settembre 2012. (<http://www.mumia-network.eu/index.php/program>).
- *Information Retrieval Models: Basic Models, Ecole d'Automne en Recherche d'Information et Applications (EARIA 2010)*, Domaine des Hautannes / Saint-Germain-Au-Mont-d'Or (Rhône), France (8-10 November 2010).

- *Information Filtering, PhD School on Web Information Retrieval*, WebBar 2007, Varenna, Italy (26 August - 1 September 2007).
- Speaker at the *International Summer School on Aggregation Operators and their applications*, AGOP 2003, 14 – 18 July 2003, Alcalá de Henares (Madrid), Spain.
- *Soft computing in information System, Second International Summer School on Reasoning under Partial Knowledge*, Foligno (Perugia), Italy (2002).
- *Modeling Vagueness in Information Retrieval, Third European Summer School in Information Retrieval (ESSIR 2000)*, Villa Monastero, Varenna, Italy (11-15 September 2000).
- *Fuzzy Systems for Information Management, School on Techniques and Applications of Soft Computing: fuzzy logic, neural networks, genetic algorithms and their integration* (21-23 October 1996, Area della Ricerca of CNR, Milano).
- *Introduction to Fuzzy Logic, school on Fuzzy Logic in control Systems; methods, software and applications* (University of Trieste, 5-7 September 1995).
- *Fuzzy Information Retrieval, Fuzzy Logic and Soft Computing*, University of Milano and SGS Thomson, 18-21 October 1994.

Tutorials

- *Quality of Data, Textual Information and Images: a comparative survey*, 27th International Conference on Conceptual Modeling (ER2008), October 20-23, Barcelona, Spain (with Carlo Batini, Federico Cabrita, and Raimondo Schettini.)
- *Intelligent Approaches to Information Retrieval*, Second International Conference on Pattern Recognition and Machine Intelligence (PRMI'07), 18-22 December 2007, Kolkata, India.
- *Imprecision Handling in Database Management and Information Retrieval Systems*, 17th IEEE International Conference on Fuzzy Systems, 2 July 1997, Barcelona, Spain.
- *Fuzzy Databases*, 12th IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2003).
- *Handling Vagueness in Information Retrieval and Database Management Systems*, 6th International Conference of Neural Information Processing (16-20 Novembre 1999, Perth, Australia).

Organization Activities

Conference and Workshop Organization

General Chair

- **General Co-Chair** (with Marco Viviani, Università di Milano Bicocca) of the 16th International Conference on Modeling Decisions for Artificial Intelligence, University of Milano Bicocca, September 4-6, 2019.
- **Proposer and Organiser** of the First European Summer School on Fuzzy Logic and Applications, September 7th – 11th 2015, Como, Italy.
- **General Co-Chair** (with Alessandro Panconesi, Università di Roma La Sapienza, Flavio Chierichetti, Università di Roma La Sapienza, and Prabhakar Raghavan, Google), of the International Workshop on Social Impact through Network Science (SINS 2014), Varenna, Italy 14-17 October 2014.
- **General Co-Chair** (with Francesco Masulli, Università di Genova and RR Yager, Iona College, New York) of the International Workshop on Fuzzy Logic, Genova, Italy 19-22 November 2013.
- **General Co-Chair** (with Javier Montero) of the Conference of the European Association of Fuzzy Logic (EUSFLAT 2013), 11-13 September 2013, Università degli Studi di Milano Bicocca, Milano, Italy.
- **General Co-Chair** (with Takahira Yamaguchi, Keio University, Japan), of the *International Conference on Active Media Technologies (AMT 2012)*, 4th – 7th December 2012, Macau.
- **General chair** of the *Second Italian Workshop on Information Retrieval (IIR 2011)*, 18-20 January 2011, Università degli Studi di Padova, Italy.
- **General Chair** of the *IEEE/WIC/ACM Joint International Conferences on “Web Intelligence” and “Intelligent Agent Technology”*, Milano, Università degli Studi di Milano Bicocca, 15-18 September 2009.
- **General Co-Chair** (with Alessandro Panconesi, La Sapienza University of Rome) of the *PhD School on Web Information Retrieval*, WebBar 2007 (Varenna, Italia, 26 August - 1 September 2007).

- **General Co-Chair** (with Francesco Masulli, University of Genova, and S. Mitra, Indian Statistical Institute, Kolkata, India) of the *International Workshop on Fuzzy Logic and Applications*, Hotel Portofino Kulm, Portofino Vetta - Ruta di Camogli, Genova, Italia - 7-10 July 2007.
- **General Co-Chair** (with Henrik Larsen, University of Aalborg) of the *Seventh International Conference on Flexible Query Answering Systems (FQAS 2006)*, University of Milano Bicocca, Milano, 2nd -10th June 2006.
- **General Co-Chair** (with Radko Mesiar, University of Bratislava) of the *3rd International Summer School on Aggregation Operators*, Università della Svizzera Italiana (USI-Lugano), Lugano, 10th -15th July 2005 <http://www.math.sk/agop/>.
- **General co-Chair** (with Bernard De Baets, University of Ghent, Belgium) of the *EUROFUSE Workshop on Information Systems*, September 2002, Villa Monastero, Varenna, Italy.
- **General Co-Chair** (with Andrea Bonarini, Politecnico di Milano and Francesco Masulli, Università di Genova) of the *4th Italian Workshop on Fuzzy Logic (WILF 2001)*, Milano, 4-5 October 2001.
- **General Co-Chair** (with Mohand Boughanem, IRIT-CNRS Toulouse, Francia, and Fabio Crestani, University of Strathclyde, Glasgow, Scotland) of the Workshop *Management of uncertainty and imprecision in multimedia information systems*, within the conference ECSQARU-2001 (Sixth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty - Toulouse, 19 – 21 September 2001).
- **General Co-Chair** (with Maristella Agosti, Università degli Studi di Padova and Fabio Crestani, University of Strathclyde, Glasgow, Scotland) of the *Third European Summer School in Information Retrieval (ESSIR 2000)*, Villa Monastero, Varenna, 11-15 September 2000.

Program or Track Chair

- **Program co-chair** (with Dinesh Verma, IBM TJ Watson) of IEEE International Conference on Cognitive Computing (IEEE ICC), July 8-13, 2019, Milano, Italy.
- **Program co-chair** of the IEEE/WIC/ACM International Conference on Web Intelligence – WI 2018, December 3-6, 2018, Santiago, Chile.
- **Program co-chair** of the 12th International Conference on Scalable Uncertainty Management, October 3-5, 2018, Milan, Italy.
- **Program co-chair** (with Benjamin Piwowarski) of the 40th European Conference on Information Retrieval, March 26th – 29th 2018, Grenoble, France.
- **Program co-chair** (with Patrick Gallinari, LIP6, Université Pierre et Marie Curie, Paris, James Kowk, Hong Kong University, China, Osmar Zaiane, University of Alberta, Canada), 2015 IEEE International Conference on Data Science and Advanced Analytics (IEEE DSAA'2015), Paris, October 19th – 21st, 2015.
- **Program co-chair** (with Olivier Pivert, France, Maria Amparo Vila, Spain, Adnan Yazici, Turkey), Flexible Query Answering Systems (FQAS), Cracow, October 26th – 28th, 2015.
- **Short Paper co-chair** (with Andrew Turpin, University of Melbourne, Australia, and Vanessa Murdock, Yahoo! Research) of the 37th Annual ACM SIGIR Conference, 6-11 July 2014, Gold Coast, Australia.
- **Special Track co-chair** (with Kouji Kozaki, Osaka University, Japan, and Thanaruk Theeramunkong, SIIT, Thailand) of the 4th Joint International Semantic Technology (JIST2014) Conference, November 9-11, 2014, Chiang Mai, Thailand.
- **Area Co-Chair** (with Jimmy Huang, York University, Canada) of the Area IR Applications, at the 9th Asian Information Retrieval Societies Conference, December 9-11, 2013, Singapore.
- **PhD Symposium Co-Chair** of the International Conference on *World Wide Web (WWW 2012)*, April 17th -20th 2012, Lyon, France.
- **Chair of the Ten Years Most Influential Paper Award**, *IEEE/WIC/ACM Joint International Conferences on Web Intelligence and Intelligent Agent Technology*, 22 - 27 August 2011, Campus Scientifique de la Doua, Lyon, France.
- **Program chair** of *COnférence en Recherche d'Information*, CORIA 2011, 16-18 May 2011, Avignon, France.
- **Poster co-chair** (with Peter Bruza, Queensland University of Technology, Brisbane, Australia and Ellen Voorhes, National Institute of Standards and Technology, NIST, USA), of the 33rd Annual *ACM SIGIR Conference*, 19-23 July 2010, Geneva, Switzerland.
- **Program co-chair** (with Stefano Mizzaro, University of Udine) of the *First Italian Workshop on Information Retrieval (IIR 2010)*, 17-28 January 2010, Università degli Studi di Padova, Italy.

- **Program co-chair** (with Prabhakar Raghavan and Tie-Yan Liu) of the *Eighth RIAO International Conference on Large-Scale Semantic Access to Content* (Text, Image, Video and Sound), RIAO 2010, Paris, France, April 2010.
- **Program co-chair** (with Borko Furht, Florida Atlantic University, USA) of the *Second International Symposium on Intelligent Interactive Multimedia Systems and Services* (KES-IIMSS 2009), Mogliano Veneto, Italy, July 16-17, 2009. (<http://iimss-09.kesinternational.org/organisation.php>)
- **Workshop co-chair** (with Yuefeng Li, Queensland University of Technology, Brisbane, Australia) of the *IEEE/WIC/ACM Joint International Conferences on "Web Intelligence" and "Intelligent Agent Technology"*, Sydney, Australia, 9-12 December 2008, Sydney, Australia.
- **PC Vice-Chair** of the area *Imprecision, Uncertainty and Fuzziness in Databases*, of the 23rd International Conference on Data Engineering, Istanbul, Turchia, 17-20 April 2007.
- Since 2002, **Track co-Chair** of the *Special Track on Information Access and Retrieval Systems*, within the "ACM Symposium on Applied Computing", (Fortaleza, Brasil, 16-20 March 2008; Seul, South Korea, 11-15 March 2007; Dijon France March 2006; Santa Fe - New Mexico 13-17 March 2005; Cyprus 14-17 March 2004; Melbourne - Florida 9-12 March 2003; Madrid Spain 10-14 March 2002) (from 2002 to 2007 with Fabio Crestani, from 2008 with Gloria Bordogna).
- **Area Chair** (with Donald Kraft and Gloria Bordogna) of the area *Information Systems* within the IEEE International Conference on Fuzzy Systems, Anchorage, Alaska, 1998.
- **Program Chair** of the *4th International Conference on Flexible Query Answering Systems - FQAS 2000*, Warsaw, Poland, 25-28 October 2000.

Other Chairing Activities

- **Workshop Co-Chair** of the 38th European Conference on Information Retrieval, 20-23 March 2016, Padua — Italy.
- **Publication Co-Chair** of The 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining, KDD 2015, 11-14 August 2015, Sydney, Australia.
- **Publicity and Social Media Co-Chair** (with Flavio Chierichetti, Università di Roma La Sapienza, of the 24th International World Wide Web Conference (WWW 2014), 18-22 May 2015, Florence, Italy.
- **Panel Co-Chair** (with Ee-Peng Lim, Singapore Management University) of the 2014 International Conference on Data Science and Advanced Analytics (DSAA2014), October 30 – November 1, Shanghai, China.
- Member of the **Organizing Committee** of the following conferences:
 - 5th International Conference on Flexible Query Answering Systems - FQAS 2002, Roskilde,.
 - 4th International Conference on Flexible Query Answering Systems - FQAS 2000, Warsaw, Poland, October 25-28, 2000 (Member of the Executive Organizing Committee).
 - III Italian Workshop on Fuzzy logic (WILF '99), Genova, Italy, 28-29 June 1999.
 - First International Forum on Multimedia and Image Processing, Alaska, USA, 10-14 May 1998.
 - 2nd International Workshop on Preferences and Decisions, TRENTO '98, July 1998, Trento.
 - 1st International Workshop on Preferences and Decisions, TRENTO '97, June 1997, Trento.
 - Techniques and Applications of Soft Computing: fuzzy logic, neural networks, genetic algorithms and their integration (21-23 October 1996, Area della Ricerca del CNR, Milano).
 - Workshop Tecnologie dell'immagine: database e comunicazione visiva (Image technologies: database and visual communication) (15 June 1995, CNR - Area della Ricerca di Milano).
 - Workshop on Fuzzy set theory in real applications, 10 May 1993, Area della Ricerca del CNR di Milano.
 - Workshop Information Retrieval: l'offerta di mercato in Italia, 9-10 April 1991, Area della Ricerca del CNR di Milano.
- She has **organized sessions** at several International Conferences.

Participation to International Committees

Panels and committees for research evaluation

- **Member of the Panel of Experts** of the Panel *Information and Communication* (2007) and *Computer Science* (2008/2011) of the European Research Council for the Programme IDEAS, Starting Grants. Member of the Panel of Experts of the Panel Computer Science (2013), Consolidator Grants.
- **Member of the Evaluation Committee** of Italian FIRB and PRIN PROJECTS (2012-2013)
- **Member of the Committee** for the Evaluation of Research in Italy (CIVR – Comitato di Indirizzo per la Valutazione della ricerca) (2005-2009).

- **Member of the expert-team** of the Dirección General de Universidades e Investigación (DGUI)(governmental office of the Autonomous Region of Madrid, Spain).
- **Evaluator** for the Croatian Science Foundation (CSF).
- **Evaluator** for the French National Research Agency (ANR), France
- **Evaluator** for the Swiss National Science Foundation.

Steering Committees

- **Member of the Steering Committee** of the International Conference “Open Areas In Information Retrieval” (OAIR)
- **Member of the Steering Committee** of the International Conference on Human Computer Interaction.
- **Member of the Steering Committee** of the Italian Workshop on Information Retrieval.
- **Member of the Steering Committee** of the International Workshop of Fuzzy Logic and Applications.
- **Member of the Steering Committee** of the European Summer School in Information Retrieval.
- **Member of the Technical Steering Committee** of the “BISC special group on Fuzzy Logic and the Internet”, Berkeley, California.
- **Member of the Advisory Board** of the International Conference on Flexible Query Answering Systems - FQAS.

Other committees

- **Member of the board** of the European Association of Fuzzy Logic and Technology (EUSFLAT) (till 2006).
- **Member** of the **Italian Regional Interest Group** of the **IEEE Neural Network Council**.
- **Member** of the **North American Fuzzy Information Processing Society**

International PhD Committees and HDR

She has been **Rapporteur** in the following committees for the «*Habilitation à diriger les Recherches* »

- Grégory Smits, Université Rennes I, 14 March 2018.
- Isis Truck, Université Paris 8, 8 September 2011.
- Philippe Lamarre, Université de Nantes, 27 November 2009.

She has served as foreign expert in the examination committee of the numerous PhD Thesis, among which:

- University of Technology of Sidney, Australia, Qusai Yousef Shambour, Title of the thesis: “Hybrid Recommender Systems for Personalised Government-to-Business e-Services, April 2012.
- Université de Toulouse III Paul Sabatier, France, Ihab Mallak, Title of the thesis : "De nouveaux facteurs pour l'exploitation de la sémantique d'un texte en Recherche d'Information", July 2011, (rapporteur)
- Queensland University of Technology, Australia, Huizhi Liang, Title of the thesis : "User Profiling based on Folksonomy Information in Web 2.0 for Personalised Recommender Systems", December 2010,
- University of Bordeaux, France, Faraz Zaidi, Title of the thesis : "Analyse, Structure et Organisation des Reseaux Complexes", 25 November 2010, (examinateur).
- Université de Pau et des Pays de l'Adour, France, Damien Palacio, title of the thesis: "Combinaison de critères par contraintes pour la Recherche d'Information Géographique", 26 November 2010, (rapporteur).
- Universidad de A Coruña, Spain, Oscar Pedreira Fernandez, title of the Thesis: “An effective Approach for selecting indexing objects in metric spaces”, 23 November 2009, (external expert).
- Queensland University of Technology, Australia, Xujuan Zhou, title of the Thesis: “Rough Set-based Reasoning and Pattern Mining for Information Filtering”, 15 July 2009, (external examiner).
- Jadavpur University India, Haider Banka, 2007.
- Université Toulouse III - Paul Sabatier, Fatiha Boubekeur-Amirouche, "Contribution à la définition de modèles de recherche d'information flexibles basés sur les CP-Nets", 25 January 2009 (examinatrice).
- Université Paul Sabatier, Abdeslame Alilaouar, "Contribution à l'interrogation flexible de données semi-structurées", 26 October 2007, (examinatrice).
- Université Toulouse III - Paul Sabatier, Mustapha Baziz, "Indexation conceptuelle guidée par ontologie pour la recherche d'information", 14 December 2005, (examinatrice).
- Université de Lyon, Annabelle Mercier, (2006).
- University of Ghent, Belgium, Guy De Tré, "A formal generalized object oriented database model beneficial to the handling of crisp and non-crisp information", June 2000, (member of the PhD exam committee and of the PhD guidance committee).
- University of Rennes, France (November 1995).

Program Committees

Since 2000 she has been and she is member (or Senior PC Member) of numerous Program Committees of International Events (more than 150 in the last 15 years) related to Information Retrieval, Database management, Fuzzy Logic and Web Intelligence, among which:

- IJCAI 2017, 2018, 2019 (**Senior PC member**)
- ACM Conference on Information and Knowledge Management (CIKM, **Senior PC Member** 2016, 2017, 2018).
- ECIR 2015, 2016, 2017, 2019 (**Senior PC Member**)
- ACM SIGIR Conference on Research and Development in Information Retrieval.
- IEEE International conference on Fuzzy Systems (FUZZ-IEEE).
- World Wide Web International Conference.
- European Conference on Information Retrieval (ECIR, Senior Member in 2016),
- International Conference on Intelligent Human Computer Interaction.
- Conference of the European Society for Fuzzy Logic and Technology (EUSFLAT).
- International Conference on Flexible Query Answering Systems, FQAS.
- International Conference on the Theory of Information Retrieval, ICTIR.
- International Conference on Pattern Recognition and Machine Intelligence, (PREMI).
- International Conference on Scalable Uncertainty Management, (SUM).
- European Conference on Artificial Intelligence - ECAI 2010.
- Information Interaction in Context Conference, IIX.
- IEEE International Conference on Intelligent Systems.
- Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU) Conference.
- IEEE International Conference on information Reuse and Integration.
- Modeling Decisions for Artificial Intelligence, (MDAI).
- Poster track of IJCAI..
- Tutorial Program Committee of the ACM SIGIR Conference on Research and Development in Information Retrieval.

Editorial Activities

Associate Editor / Member of Editorial Boards

She is Associate Editor of the following International Journals:

- *ACM Computing Surveys* (since 2018)
- *IEEE Transactions on Fuzzy Systems* (since 2018)
- *Frontiers in Artificial Intelligence* (since 2018)
- *International Journal of Data Science and Analytics*, Springer (since 2015)
- *Group Decision and Negotiation*, Springer (since 2017)
- *Peer J*, (Associate Editor) (since 2015)
- *International Journal of Computational Intelligence Systems (IJCIS)*, Atlantis Press (since 2007).
-

She is Member of the Editorial Board of the following International Journals:

- *Fuzzy Sets and Systems*, Elsevier, (since 2006)
- *Data Analytics Book Series*, Springer (since 2015)
- *Information Processing & Management*, Elsevier (2014-2015)
- *Web Intelligence and Agent Systems: an International Journal (IOS Press)*, (since 2008)
- *Intelligent Decision Technology: An International Journal, (IOS Press)*, (since 2010)
- *ACM Applied Computing Review* (since 2001).
- *Information – Interaction – Intelligence, An International Journal*, (Editorial Board) Cépaduès Editions, (since 2008)

Edited Books/Proceedings.

Edited Proceedings

1. G. Pasi, B. Piwowarski, L. Azzopardi, A. Hanbury, Advances in Information Retrieval - 40th European Conference on IR Research, ECIR 2018, Grenoble, France, March 26-29, 2018, Proceedings. Lecture Notes in Computer Science 10772, Springer 2018.
2. D. Ciucci, G. Pasi, B. Vantaggi, Scalable Uncertainty Management - 12th International Conference, SUM 2018, Milan, Italy, October 3-5, 2018, Proceedings. Lecture Notes in Computer Science 11142, Springer 2018.
3. T. Andreasen, H. Christiansen, J. Kacprzyk, H. Larsen, G. Pasi, O. Pivert, G. De Tré, M. A. Vila, A. Yazici, S. Zadrożny, Flexible Query Answering Systems 2015 - Proceedings of the 11th International

- Conference FQAS 2015, Cracow, Poland, October 26-28, 2015. Advances in Intelligent Systems and Computing 400, Springer 2016.
4. F. Masulli, G. Pasi, R. R. Yager, Fuzzy Logic and Applications - 10th International Workshop, WILF 2013, Genoa, Italy, November 19-22, 2013. Proceedings. Lecture Notes in Computer Science 8256, Springer, 2013.
 5. J. Montero, G. Pasi, D. Ciucci, Proceedings of the 8th conference of the European Society for Fuzzy Logic and Technology, EUSFLAT-13, Milano, Italy, September 11-13, 2013. Atlantis Press 2013.
 6. A. Holzinger, G. Pasi. Human-Computer Interaction and Knowledge Discovery in Complex, Unstructured, Big Data, Proceedings of the Third International Workshop, HCI-KDD 2013, Held at SouthCHI 2013, Maribor, Slovenia, July 1-3, 2013, Series: Lecture Notes in Computer Science, Vol. 7947, Springer 2013.
 7. R. Huang, A. A. Ghorbani, G. Pasi, T. Yamaguchi, N. Y. Yen, B. Jin. Proceedings of the *Active Media Technology - 8th International Conference*, AMT 2012, Macau, China, December 4-7, 2012. Lecture Notes in Computer Science 7669, Springer 2012, isbn 978-3-642-35235-5
 8. G. Pasi, P. Bellot, Proceedings of the *8th French Information Retrieval Conference* (Conférence en Recherche d'Informations et Applications - CORIA 2011), Avignon, France, March 16-18, 2011, Éditions Universitaires d'Avignon 2011, ISBN 978-2-35768-024-1.
 9. M. Melucci, S. Mizzaro, G. Pasi. Proceedings of the *Second Italian Information Retrieval Workshop* (IIR 2011), Milano, Italy, January 27-28, 2011 CEUR-WS.org 2011.
 10. M. Melucci, S. Mizzaro, G. Pasi. Proceedings of the *First Italian Information Retrieval Workshop* (IIR 2010), Padua, Italy, January 27-28, 2010 CEUR-WS.org 2010.
 11. P. Boldi, G. Vizzari, R. Baeza-Yates, G. Pasi, *Proceedings of the 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, WI-IAT Workshops*, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 12. R. Baeza-Yates, B. Berendt, E. Bertino, Ee-Peng Lim, G. Pasi, *Proceedings of the 2009 IEEE/WIC/ACM International Conference on Web Intelligence*, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 13. R. Baeza-Yates, J. Lang, S. Mitra, S. Parsons, G. Pasi, *Proceedings of the 2009 IEEE/WIC/ACM International Conference on Intelligent Agent Technology*, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 14. F. Masulli, S. Mitra, G. Pasi, Applications of Fuzzy Sets Theory, *Proceedings of the 7th International Workshop on Fuzzy Logic and Applications*, Ruta di Camogli, Italy, July 7-10, 2007, Springer Verlag, Lecture Notes in Artificial Intelligence, LNAI 4578.
 15. H. Larsen, G. Pasi, D. Ortiz-Arroyo, T. Andreassen, H. Christiansen, Flexible Query Answering Systems, *Proceedings of the 7th International Conference FQAS 2006*, Milano, Italy, June 2006, Springer Verlag, Lecture Notes in Artificial Intelligence, LNAI 4027.
 16. A. Bonarini, F. Masulli, G. Pasi, Applications of Soft Computing, Physica Verlag, 2003.
 17. B. De Baets, J. Fodor, G. Pasi, Proceedings of the *EUROFUSE Workshop on Information Systems*, 2002.
 18. Advances in Fuzzy Systems and Intelligent Technologies, Shaker Publishing, Maastricht, 2001, (with Franco Masulli and Franco Parenti).

Edited Books

1. G. Pasi, G. Bordogna, L. Jain, Quality Issues in the Management of Web Information, Intelligent Systems Reference Library, 50, Springer.
2. E. Herrera-Viedma, G. Pasi, F. Crestani, Soft Computing for Web Information Retrieval. Models and Applications, Springer Verlag, Series Studies in Fuzziness Soft Computing, Vol. 197, 2006, ISBN 3-540-31588-8.
3. M. Agosti, F. Crestani, G. Pasi, Lectures in Information Retrieval, series Lecture Notes in Computer Science, Springer Verlag, 2001.
4. F. Crestani, G. Pasi, Soft Computing in Information Retrieval: Techniques and Applications, Physica Verlag, series Studies in Fuzziness, May 2000.
5. G. Bordogna, G. Pasi, Recent research issues on the management of fuzziness in databases, Physica Verlag, series Studies in Fuzziness, August 2000.

Special Issues of International Journals

1. A. Holzinger, G.Pasi, Interactive Data Analysis, **Information Processing & Management**, Elsevier, Volume 51, Issue 2, 2015.

2. Y. Xu and G. Pasi, Web Intelligence and Personalization on Social Media, **Web Intelligence**, Ios Press, Volume 13, Number 1, 2015
3. R. Baeza-Yates and G. Pasi, Web Mining for Search, **Information Retrieval**, Volume 14, Number 3, 2011.
4. S. Zadrozny, G. De Tré, E. Herrera-Viedma, and G. Pasi. Soft approaches to information processing: from theory to applications. **Control and Cybernetics**, 39 (2010).
5. A. Hadjali, P. Bosc, G. Pasi, Flexible Queries in Information Systems. **Journal of Intelligent Information Systems**, 33(3), 2009.
6. E. Herrera-Viedma and G. Pasi, Aggregation Operators for Information Systems, **International Journal of Intelligent Systems**, 2008.
7. E. Herrera-Viedma and G. Pasi, Soft Approaches to Information Retrieval and Information Access on the Web, **Journal of the American Society for Information Science**, Vol. 57, n. 4, 2006.
8. M. Boughanem, F. Crestani and G. Pasi, Management of uncertainty and imprecision in multimedia information retrieval systems, **International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems**, Vol. 11, n. 1, 2003.
9. F. Crestani and G. Pasi, Modelling Vagueness and Subjectivity in Information Access, **Information Processing and Management**, Vol. 39, n. 2, 2002.
10. G. Bordogna and G. Pasi, Management of Imprecision and Uncertainty in Information Retrieval and Database Management Systems, **Journal of the American Society for Information Science**, Volume 49, n. 3, 1998.

Reviewer of International Journals

She serves as a reviewer of several International Journals, among which:

- *ACM Transactions on Information Systems*
- *IEEE Transactions on Systems, Man, and Cybernetics--Part A: Systems and Humans*
- *IEEE Computer*
- *IEEE Transactions on Fuzzy Systems*
- *IEEE Transactions on Systems, Man and Cybernetics*
- *IEEE Transactions on Data and Knowledge Engineering*
- *IEEE Transactions on Neural Networks*
- *VLDB Journal*
- *World Wide Web Journal*
- *Fuzzy Set and Systems*
- *European Journal of Operational Research*
- *Information Retrieval Journal*
- *Information Sciences*
- *Information Processing and Management*
- *International Journal of Intelligent Systems*
- *Journal of the American Society for Information Science (JASIST)*
- *Journal of Intelligent Information Systems*
- *Image and Vision Computing*
- *Intelligent Automation and Soft Computing*
- *Soft Computing*
- *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*

LIST OF PUBLICATIONS

International Journals

1. M. A. Qureshi, A. Younus, C. O' Riordan, G. Pasi, A wikipedia-based semantic relatedness framework for effective dimensions classification in online reputation management. **Journal of Ambient Intelligence and Humanized Computing**, 9(5), 1403-1413, 2018.
2. R. Boselli, M. Cesarini, S. Marrara, F. Mercurio, M. Mezzanzanica, G. Pasi, M. Viviani, WoLMIS: a labor market intelligence system for classifying web job vacancies. **Journal of Intelligent Information Systems**, 51(3), 477-502, 2018.
3. G. J. F. Jones, N. J. Belkin, S. Lawless, G. Pasi, Report on the CHIIR 2018 Workshop on Evaluation of Personalisation in Information Retrieval (WEPIR 2018). **SIGIR Forum** 52(1): 129-134, 2018.
4. E. Shabunina, and G. Pasi, A graph-based approach to ememes identification and tracking in Social Media streams, **Knowledge-Based Systems**, 139: 108-118, 2018.
5. M. S. Nobile, P. Cazzaniga, D. Besozzi, R. Colombo, G. Mauri, G. Pasi, Fuzzy Self-Tuning PSO: A settings-free algorithm for global optimization. **Swarm and Evolutionary Computation** 39, 70-85, 2018.
6. S. Marrara, G. Pasi, M. Viviani, Aggregation Operators in Information Retrieval, **Fuzzy Sets and Systems**, Elsevier, 324: 3-19, 2017.
7. M. Viviani and G. Pasi, Quantier Guided Aggregation for the Veracity Assessment of Online Reviews, **International Journal of Intelligent Systems**, Wiley Periodicals Inc., 32(5): 481-501, 2017.
8. M. Viviani and G. Pasi, Credibility in social media: opinions, news, and health information - a survey. **Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery**, 7(5), 2017.
9. U. Rashid, M. Viviani, G. Pasi, A graph-based approach for visualizing and exploring a multimedia search result space, **Information Sciences**, Volumes 370–371, Issue 20, November 2016, pp. 303-322.
10. M. Sappelli, G. Pasi, S. Verberne, M. de Boer, W. Kraaij, Assessing e-mail intent and tasks in e-mail messages, **Information Sciences**, Volumes 358–359, 1 September 2016, pp. 1-17.
11. S. Marrara, G. Pasi, Fuzzy Approaches to Flexible Querying in XML Retrieval. **International Journal of Computational Intelligence Systems**, Volume 9 (sup1), 95-103, 2016.
12. Y. Drias, S. Kechid, G. Pasi, Bee Swarm Optimization for Medical Web Information Foraging. **Journal of Medical Systems**, Springer, Volume 40, Issue 2, pp. 1-17, 2016.
13. Y. Drias, S. Kechid, G. Pasi. "A Novel Framework for Medical Web Information Foraging Using Hybrid ACO and Tabu Search, **Journal of Medical Systems**, Springer, Volume 40, Issue 1, pp. 1-18, 2016.
14. N. Ferro, F. Crestani, M.F. Moens, J. Mothe, F. Silvestri, J. Kekäläinen, P. Rosso, P.D. Clough, G. Pasi, C. Lioma, S. Mizzaro, G.M. Di Nunzio, C. Hauff, O. Alonso, P. Serdyukov, G. Silvello, Report on ECIR 2016: 38th European Conference on Information Retrieval. **SIGIR Forum**, 50(1): 12-27, 2016.
15. A. Holzinger, G. Pasi, Introduction to the special issue on "interactive data analysis". **Information Processing and Management**, 51(2): 141-143, 2015.
16. G. Pasi, Web Search and Behavior, **IEEE Intelligent Systems**, Trends&Controversies, pp.14-16, 2014.
17. L. Cao, T. Joachims, C. Wang, É. Gaussier, J. Li, Y. Ou, D. Luo, R. Zafarani, H. Liu, G. Xu, Z. Wu, G. Pasi, Y. Zhang, X. Yang, H. Zha, E. Serra, V. S. Subrahmanian, Behavior Informatics: A New Perspective. **IEEE Intelligent Systems**, 29(4): 62-80, 2014
18. S.Calegari, G.Pasi, Personal Ontologies: Generation of user profiles based on the YAGO Ontology. **Information Processing & Management**, 49(3), pp. 640-658, Elsevier Science, 2013.
19. G. Bordogna and G. Pasi, A Quality driven Hierarchical Data Divisive Soft Clustering for Information Retrieval, **Knowledge-Based Systems**, Elsevier, Volume 26, pp. 9-19, 2012.
20. C. Da Costa Pereira, M. Dragoni, G. Pasi, Multidimensional Relevance: Prioritized Aggregation in a Personalized Information Retrieval Setting, **Information Processing & Management**, Volume 48, Issue 2, March 2012, pp. 340-357, 2012.
21. R. Baeza-Yates, G. Pasi, Introduction to the Special issue Web Mining for Search, **Information Retrieval**, Volume 14, Number 3, pp.213-214, 2011.
22. M. Polmonari, A. Sala, A. Maurino, F. Guerra, G. Pasi, G. Frisoni, Aggregated Search of Data and Services, **Information Systems**, Elsevier Science, Volume 36, Issue 2, April 2011, pp. 134-150.
23. G. Bordogna, G. Pasi, Soft clustering for information retrieval applications. **Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery**, 1(2): 138-146, 2011.
24. S. Zadrozny, G. De Tré, E. Herrera-Viedma, and G. Pasi, Guest Editorial: Soft approaches to information processing: from theory to applications. **Control and Cybernetics**, 39, pp. 895-897 2010.
25. G. Bordogna G. Pasi, A Flexible Multi Criteria Information Filtering Model, **Soft Computing – A Fusion of Foundations, Methodologies and Applications**, Vol. 14, n. 8, pp. 799-809, 2010.
26. G. Pasi, Issues in Personalizing Information Retrieval, **IEEE Intelligent Informatics Bulletin**, December 2010.

27. S. Calegari, G. Pasi, Ontology-Based Information Behaviour to Improve Web Search. **Future Internet**, 2(4): 533-558, 2010.
28. P. Bosc, A. Hadjali, G. Pasi, Guest editors' introduction to the special issue on flexible queries in information systems, **Journal of Intelligent Information Systems**, 33(3), pp. 235-237, 2009.
29. G. Bordogna, M. Pagani, G. Pasi, G. Psaila, Managing uncertainty in Location-based queries, **Fuzzy Sets and Systems**, 160(15), pp. 2241-2252, 2009.
30. A. Campi, E. Damiani, S. Guinea, S. Marrara, G. Pasi, P. Spoletini. A Fuzzy Extension of the XPath Query Language, **Journal of Intelligent Information Systems**, Springer, 33(3): pp. 285-305, 2009.
31. G. Bordogna, G. Pasi, A flexible model for the evaluation of soft Conditional Preferences in fuzzy databases, **International Journal of Intelligent Systems**, Wiley Periodicals Inc., Vol. 23, n. 12, pp. 1264-1281, 2008.
32. G. Bordogna, G. Pasi, A flexible approach to evaluating soft conditions with unequal preferences in fuzzy databases, **International Journal of Intelligent Systems**, Wiley Periodicals Inc., Vol. 22, Issue 7, pp. 665-689, July 2007.
33. E. Herrera-Viedma, and G. Pasi, Soft Approaches to Information Retrieval and Information Access on the Web: an introduction to the special topic section, **Journal of the American Society for Information Science and Technology**, Wiley Periodicals Inc., Vol. 57, n. 4, pp. 511-514, 2006.
34. E. Herrera-Viedma, G. Pasi, A.G. Lopez-Herrera, C. Porcel, Evaluating the Information Quality of Web Sites: A Methodology Based on Fuzzy Computing with Words, **Journal of the American Society of Information Science**, Wiley Periodicals Inc., Vol. 57, n. 4, pp. 538-549, 2006.
35. G. Pasi and R.R. Yager, Modeling the concept of majority opinion in group decision making, **Information Sciences**, Elsevier Inc., Vol. 176, n. 4, pp. 390-414, 2005.
36. K. Atanassov, G. Pasi, R.R. Yager, Intuitionistic fuzzy interpretations of multi-criteria multi-person and multi-measurement tool decision making, **International Journal of Systems Science**, Taylor&Francis, Vol. 36, n. 14, pp. 859-868, Novembre 2005.
37. G. Bordogna and G. Pasi, Personalised Indexing and Retrieval of Heterogeneous Structured Documents, **Information Retrieval**, Springer Netherlands, Vol. 8, n. 2, pp. 301-318, April 2005.
38. R.A. Marques Pereira, A. Molinari, G. Pasi, Contextual weighted representations and indexing models for the retrieval of HTML documents, **Soft Computing**, Springer, Vol. 9, n. 7, pp. 481-492, July 2005.
39. G. Bordogna and G. Pasi, A model for soft fusion of information accesses on the Web, **Fuzzy Sets and Systems**, Elsevier, Vol. 148, n.1, pp. 205-218, 2004.
40. G. Bordogna, G. Pasi, R.R. Yager, Soft approaches to distributed information retrieval, **International Journal of Approximate Reasoning**, Elsevier, Vol. 34, n. 2-3, pp. 105-120, 2003.
41. M. Boughanem, F. Crestani and G. Pasi, editors. Management of Uncertainty and Imprecision in Multimedia Information Systems: Introducing this special issue. **International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems**, World Scientific, Vol. 11, n. 1, pp. 1-4, 2003.
42. F. Crestani and G. Pasi, Handling Vagueness, Subjectivity, and Imprecision in Information Access: an Introduction to the Special Issue, **Information Processing and Management**, Pergamon Press, Vol. 39, n. 2, March 2003.
43. G. Pasi, Modelling Users' Preferences in Systems for Information Access, **International Journal of Intelligent Systems**, Vol. 18, n. 7, pp. 793-808, 2003.
44. G. Bordogna and G. Pasi, An Ordinal Information Retrieval Model, **International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems**, Vol. 9, September 2001.
45. R.R. Yager and G. Pasi, Product Category Description for Web-Shopping in E-Commerce, **International Journal of Intelligent Systems**, John Wiley & Sons, Vol. 16, N. 8, pp. 1009-1021, August 2001.
46. G. Bordogna and G. Pasi, Graph-based Interaction in a Fuzzy Object Oriented Data Base, **International Journal of Intelligent Systems**, John Wiley & Sons, Vol. 16, N. 7, 821-842, July 2001.
47. P. Bosc, A. Motro and G. Pasi, Report on The fourth International Conference on Flexible Query Answering Systems (FQAS 2000), **ACM Sigmod Record**, ACM, Vol. 30, n. 1, March 2001.
48. G. Bordogna and G. Pasi, Modeling linguistic qualifiers of uncertainty in a fuzzy database, **International Journal of Intelligent Systems**, Vol. 15, n. 11, pp. 995-1014, 2000.
49. G. Bordogna and G. Pasi, "Flexible Representation and Querying of Heterogeneous Structured Documents", **Kybernetika**, Vol. 36, N. 6, 617-633, 2000.
50. J. Kacprzyk, G. Pasi, P. Vojtas and S. Zadrozny, "Fuzzy Querying: Issues and Perspectives", **Kybernetika**, Vol. 36, N. 6, 605-616, 2000.
51. G. Pasi, R. R. Yager, Calculating Attribute Values using Inheritance Structures in Fuzzy Object Oriented Data Models, **IEEE Transactions on Systems, man and Cybernetics**, Part C: Applications and Tutorials, Vol. 29, n. 4, pp. 556-565, November 1999.

52. G. Bordogna, G. Pasi, D. Lucarella, A Fuzzy Object-Oriented Data Model Managing Vague and Uncertain Information, **International Journal of Intelligent Systems**, John Wiley & Sons, Vol. 14, n. 7, pp. 623-651, July 1999.
53. G. Pasi, R. A. Marques Pereira, A decision making approach to relevance feedback in information retrieval: a model based on soft consensus dynamics, **International Journal of Intelligent Systems**, John Wiley & Sons, Vol. 14, n. 1, pp. 105-122, January 1999.
54. G. Bordogna, G. Pasi, Introduction to the Special issue on Management of Imprecision and Uncertainty in Databases and Information Retrieval Systems, **Journal of the American Society of Information Science**, John Wiley & Sons, Vol. 49, n.3, pp. 193-194, 1998.
55. G. Bordogna, M. Fedrizzi, G. Pasi, A Linguistic Modeling of Consensus in Group Decision Making based on OWA operators, **IEEE Transactions on Systems, Man and Cybernetics**, Part A Systems and Humans, IEEE, Vol. 27, n. 1, 126-132, 1997.
56. G. Bordogna, G. Pasi, A User Adaptive Neural Network Supporting Rule Based Relevance Feedback, **Fuzzy Sets and Systems**, Elsevier Science, Vol. 82, n. 2, pp. 201-211, 1996.
57. G. Bordogna, G. Pasi, Controlling Retrieval through a User-Adaptive Representation of Documents, **International Journal of Approximate Reasoning**, Elsevier Science, Vol. 12, n. 3-4, pp. 317-339, 1995.
58. G. Bordogna, G. Pasi, Linguistic Aggregation Operators of Selection Criteria in Fuzzy Information Retrieval, **International Journal of Intelligent Systems**, John Wiley & Sons, Vol. 10, n. 2, pp. 233-248, 1995.
59. D. Kraft, G. Bordogna, G. Pasi, An Extended Fuzzy Linguistic Approach to Generalize Boolean Information Retrieval, **Journal of Information Science - Applications**, 2(3), 119-134, 1994.
60. G. Bordogna and G. Pasi, A Fuzzy Linguistic Approach Generalizing Boolean Information Retrieval: a Model and its Evaluation, *Journal of the American Society for Information Science*, John Wiley & Sons, Vol. 44, n. 2, pp. 70-82, 1993.
61. G. Bordogna, P. Carrara, G. Pasi, Query Term Weights as Constraints in Fuzzy Information Retrieval, **Information Processing & Management**, Pergamon Press Inc., Vol. 27, n. 1, pp. 15-26, 1991.

International Book Chapters

1. F. Chiti, R. Fantacci, G. Pasi, F. Tisato, Context-Awareness in Autonomic Communication and in Accessing Web Information: Issues and Challenges. In **Wisdom Web og Things**, Springer, 2016.
2. D. H. Kraft, E. Colvin, G. Bordogna, G. Pasi, Fuzzy Information Retrieval Systems: A Historical Perspective. In: Fifty Years of Fuzzy Logic and its Applications, Studies in Fuzziness and Soft Computing 326, Springer, pp.267-296, 2015.
3. G. Bordogna, G. Pasi, G. Psaila: A Unifying Model of Flexible Queries with Distinct Semantics of Search Term Weights. In Olivier Pivert, Slawomir Zadrozny (Eds.): Flexible Approaches in Data, Information and Knowledge Management. Springer 2014 Studies in Computational Intelligence, pp 223-239.
4. G Pasi, G Bordogna, LC Jain, An Introduction to Quality Issues in the Management of Web Information, 2013, Quality Issues in the Management of Web Information, Springer, 2013.
5. G Pasi, G Bordogna, The Role of Fuzzy Sets in Information Retrieval, On Fuzziness. Studies in Fuzziness and Soft Computing Volume 299, 2013, pp 525-532.
6. G. Pasi, R. R. Yager, A Majority Guided Aggregation Operator in Group Decision Making. Studies in Fuzziness and Soft Computing, 2011, Volume 265, Springer, Recent Developments in the Ordered Weighted Averaging Operators: Theory and Practice, Pages 111-133.
7. G. Bordogna, G. Pasi, "Soft clustering for information retrieval applications" Wiley Interdisc. Rev.: Data Mining and Knowledge Discovery, Wiley, 1(2), pp. 138-146 (2011)
8. G. Pasi, Approaches to Intelligent Information Retrieval, in "Machine Interpretation of Patterns: Image Analysis and Data Mining", R. K. De, D. P. Mandal, A. Ghosh (eds.), World Scientific, June 2010.
9. D. Kraft G. Bordogna, G. Pasi, Fuzzy Set Theory. Encyclopedia of Library and Information Sciences, Third Edition, DOI: 10.1081/E-ELIS3-120043233, Taylor & Francis, February 2010.
10. G. Bordogna, M. Pagani, G. Pasi, Imperfect Multisource Spatial Data Fusion Based on a Local Consensual Dynamics. in J. Kacprzyk, F. E. Petry, A. Yazici (Eds.): Uncertainty Approaches for Spatial Data Modeling and Processing: A Decision Support Perspective. Studies in Computational Intelligence Vol. 271 Springer 2010, ISBN 978-3-642-10662-0.
11. G. Pasi. Fuzzy Models. **Encyclopedia of Database Systems**, Part 6, Ling Liu and M. Tamer Özsu (Eds.), Springer, 1205-1209, 2009.
12. M. Fedrizzi and G. Pasi, Fuzzy Approaches to Consensus Modelling in Group Decision Making, in Intelligent Decision and Policy Making Support Systems (D. Ruan, F. Hardeman, K. van der Meer eds.), Serie Studies in Computational Intelligence, Springer, Vol. 117/ 2008, pp. 19-37.

13. G. Bordogna, M. Pagani, G. Pasi An Incremental Hierarchical Fuzzy Clustering for Category-based News Filtering, in "Uncertainty and Intelligent Information Systems" (B. Bouchon-Meunier, R.R. Yager, C. Marsala, and M. Rifqi eds), **World Scientific**, ISBN 978-981-279-234-1, pp. 143-154, 2008.
14. G. Bordogna, D.H. Kraft, G. Pasi, Information Access and Retrieval, in The Handbook of Granular Computing, G., Witold Pedrycz, Andrzej Skowron, and Vladik Kreinovich Co-editors, **John Wiley & Sons, Ltd.**, Capitolo 38, Luglio 2008.
15. G. Pasi, Fuzzy Sets in Information Retrieval: State of the Art and Research trends, In "Fuzzy Sets and Their Extensions: Representation, Aggregation and Models. Intelligent Systems from Decision Making to Data Mining, Web Intelligence and Computer Vision", (H. Bustince, F. Herrera, J. Montero eds.), serie Studies in Fuzziness and Soft Computing, **Springer Verlag**, Vol. 220, pp. 517-535, 2008.
16. G.Bordogna, M.Pagani, G.Pasi, G.Psaila. Flexible location-based spatial queries in "Theoretical Advances and Applications of Fuzzy Logic and Soft Computing", Oscar Castillo, Patricia Melin, Oscar Montiel Ross, Roberto Sepulveda Cruz, Witold Pedrycz, Janusz Kacprzyk Eds, ISBN: 3540724338, **Springer Verlag**, 42, Advances in Soft Computing series, pp. 36-45, 2007.
17. G. Bordogna, M. Pagani, G. Pasi, A Flexible Decision Support Approach to Model ill-defined Knowledge in GIS, In: AAVV. Geographic Uncertainty in Environmental Security, Book Series **NATO Science for Peace and Security Series C: Environmental Security**, 2007, pp. 133-152, ISBN: 978-1-4020-6436-4, Netherlands, 2007.
18. G. Bordogna, M. Pagani, G.Pasi, A dynamical Hierarchical fuzzy clustering algorithm for document filtering, in "Soft Computing in Web Information Retrieval" (E. Herrera-Viedma, G. Pasi, F. Crestani eds.), serie Studies in Fuzziness and Soft Computing, **Springer Verlag**, Vol. 197, 3-23, 2006.
19. M. Baziz, M. Boughanem, G. Pasi, A fuzzy logic approach to information retrieval using an ontology-based representation of documents, in "Fuzzy Logic and the Semantic Web" (E. Sanchez, Ed.), **Elsevier Science**, pp. 363-377, March 2006.
20. G. Pasi, Intelligent Information Retrieval: Some Research Trends. In: Advances in Soft Computing Engineering Design and Manufacturing, **Springer Verlag**, September 2003.
21. G. Pasi, R.R.Yager, A decision support tool for web-shopping using Product Category Summarization, in "Fuzzy Logic an the Internet", V. Loia, M. Nikraves and L. A. Zadeh eds., Series Studies in Fuzziness and Soft Computing, **Physica-Verlag**, 2003.
22. G.Bordogna, G.Pasi, "Flexible Representation and Retrieval of WEB Documents", in "Intelligent Exploration of the WEB", P.S. Szczepaniak, J. Segovia, J. Kacprzyk, L.A. Zadeh eds., Studies in Fuzziness and Soft Computing series , **Physica Verlag**, pp. 38-55, November 2002.
23. G.Bordogna, G. Pasi. Modeling Vagueness in Information Retrieval. Lectures on Information Retrieval, **Lecture Notes in Computer Science**, 2001, Volume 1980, (M. Agosti, F. Crestani and G. Pasi eds.), **Springer Verlag**, 2001 Pages 207-241.
24. G.Bordogna, G. Pasi , "Linguistic summarization based on typical values in object oriented data bases", "Advances in Fuzzy Systems and Intelligent Technologies", F. Masulli, R. Parenti e G. Pasi eds., **Shaker Publishing**, 2001.
25. G. Pasi, R.R. Yager, "Document Retrieval from Multiple Sources of Information", "Uncertainty in Intelligent and Information Systems", B. Bouchon-Meunier, R.R. Yager and L. Zadeh eds., **World Scientific**, July 2000.
26. G.Bordogna, Alberto Leporati, Dario Lucarella, G.Pasi "The Fuzzy Object Oriented Database Management System", in "Recent issues on the management of fuzziness in databases", G. Bordogna and G. Pasi eds., **Physica-Verlag**, 2000.
27. G.Bordogna, G.Pasi "The Application of Fuzzy Set Theory to Model Information Retrieval", in "Soft Computing in Information Retrieval: Techniques and Applications", F. Crestani and G. Pasi eds., **Physica-Verlag**, 2000.
28. G. Bordogna, P. Bosc and G. Pasi, "Extended Boolean Information Retrieval in terms of Fuzzy Inclusion", in Knowledge Management In Fuzzy Databases, O. Pons, M. A. Vila and J. Kacprzyk eds., **Physica Verlag**, Heidelberg, 234-246, 2000.
29. F. Crestani and G. Pasi, "Soft Information Retrieval: Applications of Fuzzy Set Theory and Neural Networks", in "Neuro-fuzzy Techniques for Intelligent Information Systems", N.Kasabov and Robert Kozma Editors, **Physica-Verlag** , Springer-Verlag Group , 287-313, 1999.
30. D. Kraft, G. Bordogna, G. Pasi, "Fuzzy Set Techniques in Information Retrieval", in "Fuzzy Sets in Approximate Reasoning and Information Systems", J. C. Bezdek, D. Dubois and H. Prade eds, volume of the series "The Handbooks of Fuzzy Sets Series", **Kluwer Academic Publishers**, 469-510, 1999.
31. G. Bordogna and G. Pasi, "Applications of OWA Operators to Information Retrieval", in "The Ordered Weighted Averaging Operators: theory, methodology and applications", R. Yager and J. Kacprzyk eds., **Kluwer Academic Publishers**, Boston, 275-292, 1997.

32. G. Bordogna, D. Lucarella and G. Pasi, "An Extension of a Graph-based Data Model to manage Fuzzy Information", in *Fuzzy and Uncertain Object-Oriented Databases (Concepts and Data Models)*, Rita De Caluwe ed., **World Scientific Publishing Company**, London, 97-122, 1997.
33. G. Bordogna, M. Fedrizzi and G. Pasi, "Modelling Preference Relations and Consensus in a Linguistic Environment: an Approach based on OWA Operators", in "Consensus under Fuzziness", J. Kacprzyk, H. Nurmi e M. Fedrizzi eds., **Kluwer Academic Publishers**, Dordrecht, 147-164, 1997.
34. G. Bordogna and G. Pasi, "A Fuzzy Information Retrieval System handling Users' Preferences on Documents' Structure", in "Fuzzy Set Methods in Information Engineering: A Guided Tour of Applications", Didier Dubois, Henri Prade and Ronald Yager Eds., **John Wiley & Sons**, 265-281, 1997.
35. G. Bordogna, G. Pasi, D. Lucarella, "Graph-based interaction in a fuzzy object-oriented data base", in "New Trends in Fuzzy Logic II", atti di WILF'97, A. Blonda, M. Castellano, A. Petrosino eds., **World Scientific**, 115-127, 1997.
36. G. Bordogna and G. Pasi, "Fuzzy Querying in Information Retrieval", in "New Trends in Fuzzy Logic I", atti di WILF'95, A. Bonarini, D. Mancini, F. Masulli, A. Petrosino eds., **World Scientific**, 1-10, 1996.
37. G. Bordogna and G. Pasi, "Fuzzy Indexing and Querying in Information Retrieval", in Third series of "Lectures on fuzziness and data bases", a cura di R. De Caluwe, **University of Ghent, Computer Science Dep.**, 1995.
38. G. Bordogna, P. Carrara, and G. Pasi, "Fuzzy Approaches to Extend Boolean Information Retrieval", in "Fuzzy sets and possibility theory in database management systems", P.Bosc e J.Kacprzyk eds., **Springer Verlag**, 231-274, 1995.
39. G. Bordogna, D. Macchi, L. Milanesi, R. Pagani, and G. Pasi, "Relational Indexing for Pictorial Information Management", in *Encyclopedia of Microcomputers*, A. Kent e J.G.Williams eds., **Dekker**, Vol. 14, 329-343, 1994.

Editor of international books, proceedings and journal special issues

Editor of International Books

1. G. Pasi, G. Bordogna, L. Jain, *Quality Issues in the Management of Web Information*, Intelligent Systems Reference Library 50, Springer 2013.
2. E.Herrera-Viedma, G. Pasi, F. Crestani, *Soft Computing in Web Information Retrieval, Models and Applications*, Springer Verlag, series Studies in Fuzziness, Volume 197, 2006.
3. M. Agosti, F. Crestani and G. Pasi, *Lectures on Information Retrieval*, Third European Summer School on Information Retrieval, ESSIR 2000 Varenna, Italy, September 11–15, 2000 Revised Lectures, Lecture Notes in Computer Science, 2001, Volume 1980, Springer Verlag, 2001.
4. F. Crestani and G. Pasi, *Soft Computing in Information Retrieval: Techniques and Applications*, Physica Verlag, series Studies in Fuzziness, May 2000.
5. G. Bordogna and G. Pasi, *Recent research issues on the management of fuzziness in databases*, Physica Verlag, serie Studies in Fuzziness, August 2000.

Conference Proceedings

1. G. Pasi, B. Piwowarski, L. Azzopardi, A. Hanbury, *Advances in Information Retrieval - 40th European Conference on IR Research, ECIR 2018*, Grenoble, France, March 26-29, 2018, Proceedings. Lecture Notes in Computer Science 10772, Springer 2018.
2. D. Ciucci, G. Pasi, B. Vantaggi, *Scalable Uncertainty Management - 12th International Conference, SUM 2018*, Milan, Italy, October 3-5, 2018, Proceedings. Lecture Notes in Computer Science 11142, Springer 2018.
3. T. Andreasen, H. Christiansen, J. Kacprzyk, H. Larsen, G. Pasi, O. Pivert, G. De Tré, M. A. Vila, A. Yazici, S. Zadrozny, *Flexible Query Answering Systems 2015 - Proceedings of the 11th International Conference FQAS 2015*, Cracow, Poland, October 26-28, 2015. *Advances in Intelligent Systems and Computing* 400, Springer 2016.
4. F. Masulli, G. Pasi, R. R. Yager, *Fuzzy Logic and Applications - 10th International Workshop, WILF 2013*, Genoa, Italy, November 19-22, 2013. Proceedings. Lecture Notes in Computer Science 8256, Springer, 2013.
5. J. Montero, G. Pasi, D. Ciucci, *Proceedings of the 8th conference of the European Society for Fuzzy Logic and Technology, EUSFLAT-13*, Milano, Italy, September 11-13, 2013. Atlantis Press 2013.
6. A. Holzinger, G. Pasi. *Human-Computer Interaction and Knowledge Discovery in Complex, Unstructured, Big Data*, Proceedings of the Third International Workshop, HCI-KDD 2013, Held at

- SouthCHI 2013, Maribor, Slovenia, July 1-3, 2013, Series: Lecture Notes in Computer Science, Vol. 7947, Springer 2013.
7. R. Huang, A. A. Ghorbani, G. Pasi, T. Yamaguchi, N. Y. Yen, B. Jin, Active Media Technology - 8th International Conference, AMT 2012, Macau, China, December 4-7, 2012. Proceedings. Lecture Notes in Computer Science 7669, Springer 2012.
 8. G. Pasi, P. Bellot, Proceedings of the 8th French Information Retrieval Conference (CONFÉRENCE EN RECHERCHE D'INFORMATIONS ET APPLICATIONS - CORIA 2011), Avignon, France, March 16-18, 2011, Éditions Universitaires d'Avignon 2011.
 9. M. Melucci, S. Mizzaro, G. Pasi. Proceedings of the 2nd Italian Information Retrieval (IIR) Workshop, Milan, Italy, January 27-28, 2011 CEUR-WS.org 2011.
 10. M. Melucci, S. Mizzaro, G. Pasi. IIR 2010 - Proceedings of the First Italian Information Retrieval Workshop, Padua, Italy, January 27-28, 2010 CEUR-WS.org 2010.
 11. P. Boldi, G. Vizzari, R. Baeza-Yates, G. Pasi, Proceedings of the 2009 IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, WI-IAT Workshops, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 12. R. Baeza-Yates, B. Berendt, E. Bertino, Ee-Peng Lim, G. Pasi, Proceedings of the 2009 IEEE/WIC/ACM International Conference on Web Intelligence, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 13. R. Baeza-Yates, J. Lang, S. Mitra, S. Parsons, G. Pasi, Proceedings of the 2009 IEEE/WIC/ACM International Conference on Intelligent Agent Technology, Milano, Italy, September 15-September 18, ISBN: 978-0-7695-3801-3.
 14. F. Masulli, S. Mitra, and G.Pasi, Applications of Fuzzy Sets Theory, Applications of Fuzzy Sets Theory, 7th International Workshop on Fuzzy Logic and Applications, WILF 2007, Camogli, Italy, July 7-10, 2007. Proceedings, Lecture Notes in Artificial Intelligence, 2007, Volume LNAI 4578.
 15. H. Larsen, G. Pasi, D. Ortiz-Arroyo, T. Andreassen, H. Christiansen. Flexible Query Answering Systems, Proceedings of the 7th International Conference FQAS 2006, Milano, Italy, June 7-10, 2006, Lecture Notes in Computer Science, 2006, Volume 4027, Springer Verlag, LNAI 4027.
 16. A. Bonarini, F. Masulli, and G. Pasi, Applications of Soft Computing, Physica Verlag, 2003.
 17. B. De Baets, J. Fodor, G. Pasi, Proceedings of the "EUROFUSE Workshop on Information Systems", 2002.
 18. F. Masulli, G. Pasi, F. Parenti, Advances in Fuzzy Systems and Intelligent Technologies, Shaker Publishing, Maastricht, 2001.

Journal Special Issues

1. S. Ben Yahia, A. Laurent, G. Pasi. Special Issue on Big Data. **Fuzzy Sets and Systems**, 348: 1-3, 2018.
2. G. De Tré, J. Kacprzyk, G. Pasi, S. Zadrozny, A. Bronselaer. Human Centric Data Management. **International Journal of Intelligent Systems**, 33(10): 1989-1991, 2018.
3. A. Holzinger, G.Pasi, Interactive Data Analysis, **Information Processing & Management**, Elsevier, Volume 51, Issue 2, 2015.
4. Y. Xu and G. Pasi, Web Intelligence and Personalization on Social Media, **Web Intelligence**, Ios Press, Volume 13, Number 1, 2015
5. R. Baeza-Yates and G. Pasi, Web Mining for Search, **Information Retrieval**, Volume 14, Number 3, 2011.
6. S. Zadrozny, G. De Tré, E. Herrera-Viedma, and G. Pasi. Soft approaches to information processing: from theory to applications. **Control and Cybernetics**, 39 (2010).
7. A. Hadjali, P. Bosc, G. Pasi, Flexible Queries in Information Systems. **Journal of Intelligent Information Systems**, 33(3), 2009.
8. E. Herrera-Viedma and G. Pasi, Aggregation Operators for Information Systems, **International Journal of Intelligent Systems**, 2008.
9. E. Herrera-Viedma and G. Pasi, Soft Approaches to Information Retrieval and Information Access on the Web, **Journal of the American Society for Information Science**, Vol. 57, n. 4, 2006.
10. M. Boughanem, F. Crestani and G. Pasi, Management of uncertainty and imprecision in multimedia information retrieval systems, **International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems**, Vol. 11, n. 1, 2003.
11. F. Crestani and G. Pasi, Modelling Vagueness and Subjectivity in Information Access, **Information Processing and Management**, Vol. 39, n. 2, 2002.

12. G. Bordogna and G. Pasi, Management of Imprecision and Uncertainty in Information Retrieval and Database Management Systems, **Journal of the American Society for Information Science**, Volume 49, n. 3, 1998.

Proceedings of International Conferences

1. G. Pasi, G. J. F. Jones, K. Curtis, S. Marrara, C. Sanvitto, D. Ganguly, P. Sen, Overview of the CLEF 2018 Personalised Information Retrieval Lab (PIR-CLEF 2018). **CLEF (Working Notes) 2018**.
2. G. Pasi, G. J. F. Jones, K. Curtis, S. Marrara, C. Sanvitto, D. Ganguly, P. Sen, Evaluation of Personalised Information Retrieval at CLEF 2018 (PIR-CLEF). **CLEF 2018**: 335-342
3. G.J.F. Jones, N.J. Belkin, S. Lawless, G. Pasi, WEPIR 2018: Workshop on Evaluation of Personalisation in Information Retrieval. **CHIIR 2018**: 386-388, 2018.
4. G. Pasi, M. Viviani, Application of Aggregation Operators to Assess the Credibility of User-Generated Content in Social Media. **IPMU 2018**, 342-353, 2018.
5. H. Souid, C. Trabelsi, G. Pasi, S. Ben Yahia, Hypergraph fuzzy minimal transversals mining: A new approach for social media recommendation. **FUZZ-IEEE 2017**: 1-7, Naples, Italy.
6. G. Pasi, G. J. F. Jones, S. Marrara, C. Sanvitto, D. Ganguly, P. Sen, Evaluation of Personalised Information Retrieval at **CLEF 2017 (PIR-CLEF)**: Towards a Reproducible Evaluation Framework for PIR. **CLEF (Working Notes) 2017**.
7. C. Trabelsi, and G. Pasi. MRRA: A New Approach for Movie Rating Recommendation. **International Conference on Flexible Query Answering Systems (FQAS 2017)**. Lecture Notes in Computer Science, vol 10333. Springer, Cham, 2017.
8. J. Fontanarava, G. Pasi, M. Viviani, Feature Analysis for Fake Review Detection through Supervised Classification. **IEEE International Conference on Data Science and Advanced Analytics, DSAA 2017**, Tokyo, Japan, October 19-21, pp. 658-666, 2017
9. S. Missaoui, M. Viviani, R. Faiz, and G. Pasi. A language modeling approach for the recommendation of tourism-related services. In Proceedings of the **Symposium on Applied Computing (SAC '17)**. ACM, New York, NY, USA, 1697-1700, 2017.
10. Y. Drias, G. Pasi, A collaborative approach to web information foraging based on multi-agent systems. **International Conference on Web Intelligence**, WI 2017, Leipzig, Germany, August 23-26, pp. 365-371, 2017.
11. E. Shabunina, G. Pasi, Information evolution modeling and tracking in social media, **International Conference on Web Intelligence**, WI 2017, Leipzig, Germany, August 23-26, pp. 599-606, 2017.
12. M. Amami, R. Faiz, F. Stella, G. Pasi, A graph based approach to scientific paper recommendation, **International Conference on Web Intelligence**, WI 2017, Leipzig, Germany, August 23-26, pp. 777-782, 2017.
13. J. Fontanarava G. Pasi, M. Viviani, An ensemble method for the credibility assessment of user generated content, **International Conference on Web Intelligence**, WI 2017, Leipzig, Germany, August 23-26, pp. 863-868, 2017.
14. S. Marrara, G. Pasi, M. Viviani, M. Cesarini, F. Mercurio, M. Mezzanica, M. Pappagallo:, A language modelling approach for discovering novel labour market occupations from the web, **International Conference on Web Intelligence**, WI 2017, Leipzig, Germany, August 23-26, pp. 1026-1034, 2017.
15. E. Shabunina, S. Marrara, G. Pasi. An Approach to Analyse a Hashtag-Based Topic Thread in Twitter. **International Conference on Applications of Natural Language to Information Systems (NLDB 2016)**. Springer International Publishing, pp. 350-358, 2016.
16. M. Amami, G. Pasi, F. Stella, R. Faiz. An LDA-Based Approach to Scientific Paper Recommendation. **International Conference on Applications of Natural Language to Information Systems (NLDB 2016)**, June 22-24, Salford, UK, Springer International Publishing, pp. 200-210, 2016.
17. C. Sanvitto, D. Ganguly, G.J.F. Jones, G. Pasi, A Laboratory-Based Method for the Evaluation of Personalised Search. **Seventh International Workshop on Evaluating Information Access, EVIA@NTCIR 2016**.
18. M. Viviani, G. Pasi, A Multi-criteria Decision Making Approach for the Assessment of Information Credibility in Social Media. **11th International Workshop on Fuzzy Logic and Soft Computing Applications**, WILF 2016, pp. 197-207, Naples, Italy, December 19-21, 2016.
19. M. Allegretti, Y. Moshfeghi, M. Hadjigeorgieva, F. Pollick, J.M. Jose, G. Pasi. When Relevance Judgement is Happening?: An EEG-based Study. **ACM SIGIR Conference on Research and Development in Information Retrieval, (SIGIR 2015)**, pp. 719-722, 2015.

20. M. S. Nobile, G. Pasi, P. Cazzaniga, D. Besozzi, R. Colombo, G. Mauri. Proactive Particles in Swarm Optimization: A self-tuning algorithm based on Fuzzy Logic. **IEEE International Conference on Fuzzy Systems**, FUZZ-IEEE 2015, Istanbul, Turkey, August 2-5, 2015, pp. 1-8, IEEE Computer Society.
21. K. Derbal, G. Bordogna, G. Pasi, Z. Alimazighi. Spatial Querying Supported by Domain and User Ontologies: An Approach for Web GIS Applications. In: **Advances in Intelligent Systems and Computing 400**, Proceedings of the 11th International Conference on Flexible Query Answering Systems - FQAS 2015, Cracow, Poland, October 26-28, 2015, pp. 353-365.
22. U. Rashid, M. Viviani, G. Pasi, M. Afzal Bhatti. The Browsing Issue in Multimodal Information Retrieval: A Navigation Tool Over a Multiple Media Search Result Space. In: **Advances in Intelligent Systems and Computing 400**, Proceedings of the 11th **International Conference on Flexible Query Answering Systems** - FQAS 2015, Cracow, Poland, October 26-28, 2015, pp. 271-282.
23. N. Tian, Y. Xu, Y. Li, G. Pasi. Quality-Aware Review Selection Based on Product Feature Taxonomy– Proceedings of the **11th Asia Information Retrieval Societies Conference**, AIRS 2015, Brisbane, QLD, Australia, December 2-4, 2015. **Lecture Notes in Computer Science 9460**, pp. 68-80, Springer 2015.
24. M. Atif Qureshi, A. Younus, C. O’Riordan, G. Pasi. Company Name Disambiguation in Tweets: A Two-Step Filtering Approach. In: **Information Retrieval Technology – Proceedings of the 11th Asia Information Retrieval Societies Conference**, AIRS 2015, Brisbane, QLD, Australia, December 2-4, 2015. **Lecture Notes in Computer Science 9460**, pp. 358-365, Springer 2015.
25. A. Younus, M. Atif Qureshi, J. Griffith, C. O’Riordan, G. Pasi. A Study into the Correlation between Narcissism and Facebook Communication Patterns. **IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT 2015)**, Singapore, December 6-9, 2015, Vol. 1. IEEE Computer Society, pp. 511-514, 2015.
26. M. Atif Qureshi, A. Younus, J. Griffith, C. O’Riordan, G. Pasi, Y. Meguebli. NewsOpinionSummarizer: A Visualization and Predictive System for Opinion Pieces in Online News. **IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT 2015)**, Singapore, December 6-9, 2015, Vol. 1. IEEE Computer Society, pp. 251-252, 2015.
27. S. Marrara, G. Pasi. Flexibility in Patent Search, 2015 Conference of the **International Fuzzy Systems Association and the European Society for Fuzzy Logic and Technology (IFSA-EUSFLAT-15)**, Gijon, Spain., June 30, 2015.
28. G. Pasi, R. Fantacci, Generating, Communicating, Accessing and Analyzing Data in a Context Aware Perspective, **2014 International Conference on Data Science and Advanced Analytics (DSAA2014)**, October 30 – November 1st 2014.
29. A. Younus, C. O’Riordan, G. Pasi, A Language Modeling Approach to Personalized Search Based on Users’ Microblog Behavior. **Best Poster Award**. M. de Rijke, T. Kenter, A. P. de Vries, C. Zhai, F. de Jong, K. Radinsky, K. Hofmann (Eds.): **Advances in Information Retrieval - 36th European Conference on IR Research, ECIR 2014**, Amsterdam, The Netherlands, April 13-16, 2014. Springer Lecture Notes in Computer Science, pp. 727-732.
30. G. Pasi, W. Pedrycz, Introduction to Information Filtering and Retrieval: Soft Computing-Based Approaches Minitrack. 47th Hawaii International Conference on System Sciences, **HICSS 2014**, Waikoloa, HI, USA, January 6-9, 2014.
31. M. A. Qureshi, C. O’Riordan, G. Pasi, Exploiting Wikipedia for Entity Name Disambiguation in Tweets. E. Métais, M. Roche, M. Teisseire (Eds.): **Natural Language Processing and Information Systems - 19th International Conference on Applications of Natural Language to Information Systems**, NLDB 2014, Montpellier, France, June 18-20, 2014. Proceedings. Springer 2014 Lecture Notes in Computer Science, pp. 184-195
32. M. A. Qureshi, C. O’Riordan, G. Pasi, A perspective-aware approach to search: visualizing perspectives in news search results. Demonstration at the 37th International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR '14, Gold Coast, QLD, Australia - July 06 - 11, 2014, pp. 1261-1262.
33. M. Atif Qureshi, A. Younus, M. Yousuf, A. Moiz, M. Saeed, N. Touheed, C. O’Riordan, G. Pasi, YummyKarachi: Using Real-Time Tweets for Restaurant Recommendations in an Unsafe Location. Demonstration at the **22nd Conference on User Modeling, Adaptation, and Personalization (UMAP2014)**, Aalborg, Denmark, July 7-11, 2014.

34. A. Younus, M. A. Qureshi, M. Saeed, N. Touheed, C. O'Riordan, G. Pasi, Election trolling: analyzing sentiment in tweets during Pakistan elections 2013. **23rd International World Wide Web Conference, WWW '14**, Seoul, Republic of Korea, April 7-11, 2014, Companion Volume., pp. 411-412.
35. M. A. Qureshi, C. O'Riordan, G. Pasi, Clustering with Error-Estimation for Monitoring Reputation of Companies on Twitter. **9th Asia Information Retrieval Societies Conference, AIRS 2013**, Singapore, December 9-11, 2013, pp. 170-180.
36. M. Atif Qureshi, A. Younus, C. O'Riordan, G. Pasi, N. Touheed, A System for Perspective-Aware Search. **3rd European Workshop on Human-Computer Interaction and Information Retrieval**, Dublin, Ireland, August 1, 2013, EuroHCIR 2013, pp. 55-58.
37. A. Bronselaer, G. Pasi, An approach to graph-based analysis of textual documents. **8th conference of the European Society for Fuzzy Logic and Technology, EUSFLAT 2013**, Milano, Italy, September 11-13, 2013.
38. A. Younus, C. O'Riordan, G. Pasi, Predictors of Users' Willingness to Personalize Web Search. **Flexible Query Answering Systems - 10th International Conference, FQAS 2013**, Granada, Spain, September 18-20, 2013. FQAS 2013, pp. 459-470
39. G. Pasi, Introduction to Soft Computing for Information Access on the Web Minitrack. **HICSS 2013**, pp. 1422.
40. S. Calegari, F. Farina, G. Pasi, Comparative Evaluations of a Hierarchical Categorization of Search Results based on a Granular View of Domain Ontologies. **International Conference on Knowledge Engineering and Ontology Development**, Vilamoura, Algarve, Portugal, 19-22 September, 2013..
41. E. Panzeri, G. Pasi. FleX-BaseX, An XML Engine with a Flexible Extension of XQuery Full-Text. Demonstration at **ACM SIGIR 2013**, Dublin.
42. G. Bordogna, G. Pasi, A Fuzzy Approach to the Conceptual Identification of Ememes on the Blogosphere, 2013 **IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2013)**, 7-10 July, 2013, Hyderabad, India.
43. E. Panzeri, G. Pasi. Flexible structural constraints in XQuery Full-Text, **OAIR 2013** (the 10th International Conference in the RIAO series), Lisbon, Portugal, May 22-24, 2013.
44. S. Senatore, G. Pasi, Lattice navigation for collaborative filtering by means of (fuzzy) formal concept analysis, 2013, Proceedings of the 28th **Annual ACM Symposium on Applied Computing, SAC '13**, Coimbra, Portugal, March 18-22, 2013. ACM 2013, pp. 920-926, ISBN 978-1-4503-1656-9.
45. E. Panzeri, G. Pasi. Flexible Structural Constraints in XQuery Full-Text. Poster at XML-Prague 2013, Prague.
46. N. Tian, Y. Xu, Y. Li, G. Pasi, Structural Feature Extraction Using Association Rules, proceedings of the **workshop on Data Analytics for Targeted Healthcare (DANTH 2013)**, in conjunction with **PAKDD13**, April 2013.
47. E. Panzeri, G. Pasi. An Approach to Define Flexible Structural Constraints in XQuery. **Active Media Technology - 8th International Conference, AMT 2012**, pp. 307-317.
48. S. Calegari, G. Pasi. Evaluating Ontology-Based User Profiles. **Active Media Technology - 8th International Conference, AMT 2012**, pp. 377-386.
49. M. A. Qureshi, C. O'Riordan, G. Pasi. Short-text domain specific key terms/phrases extraction using an n-gram model with wikipedia. **CIKM 2012**, pp. 2515-2518.
50. M. A. Qureshi, C. O'Riordan, G. Pasi. Concept Term Expansion Approach for Monitoring Reputation of Companies on Twitter. **CLEF (Online Working Notes/Labs/Workshop) 2012**.
51. A. Younus, C. O'Riordan, G. Pasi. CIRGDISCO at RepLab2012 Filtering Task: A Two-Pass Approach for Company Name Disambiguation in Tweets. **CLEF (Online Working Notes/Labs/Workshop) 2012**.
52. S. Calegari, E. Panzeri, G. Pasi. PatentLight: a Patent Search Application. **4th Information Interaction in Context Symposium, IiX 2012**., Nijmegen, the Netherlands, August 21-24, 2012.
53. A. Younus, M. Atif Qureshi, S. Kumar Kingrani, M. Saeed, N. Touheed, C. O'Riordan, G. Pasi. Investigating bias in traditional media through social media. World Wide Web Conference, **WWW 2012**, Lyon, France, 2012. pages 643-644.
54. O. Boudighaghen, L. Tamine-Lechani, G. Pasi, G. Cabanac, M. Boughanem, C. da Costa Pereira. Prioritized Aggregation of Multiple Context Dimensions in Mobile IR, **7th Asia Information Retrieval Societies Conference, AIRS 2011**, Dubai, United Arab Emirates, December 18-20, 2011. AIRS 2011, Lecture Notes in Computer Science, 2011, Volume 7097, Information Retrieval Technology, Pages 169-180.
55. G. Pasi, Contextual Search: Issues and Challenges, Information Quality in e-Health - **7th Conference of the Workgroup Human-Computer Interaction and Usability Engineering of the Austrian Computer Society, USAB 2011**, Graz, Austria, November 25-26, 2011. Lecture Notes in Computer Science, 2011, Volume 7058, Information Quality in e-Health, Pages 23-30.

56. S. Calegari, M. Comerio, A. Maurino, E. Panzeri, G. Pasi. A Semantic and Information Retrieval Based Approach to Service Contract Selection, **Service-Oriented Computing - 9th International Conference**, ICSOC 2011, Paphos, Cyprus, December 5-8, 2011. Lecture Notes in Computer Science, 2011, Volume 7084, Service-Oriented Computing, Pages 389-403.
57. S. Marrara, E. Panzeri, G. Pasi. An Analysis of an Efficient Data Structure for Evaluating Flexible Constraints on XML Documents, **Flexible Query Answering Systems - 9th International Conference**, FQAS 2011, Ghent, Belgium, October 26-28, 2011. Lecture Notes in Computer Science, 2011, Volume 7022, Flexible Query Answering Systems, Pages 294-305.
58. S. Calegari, F. Farina, G. Pasi. Topical Categorization of Search Results Based on a Domain Ontology, **Advances in Information Retrieval Theory - Third International Conference on the Theory of Information Retrieval**, ICTIR 2011, Bertinoro, Italy, September 12-14, 2011. Lecture Notes in Computer Science, 2011, Volume 6931, Pages 262-273.
59. R. Baeza-Yates, P. Boldi, A. Bozzon, M. Brambilla, S. Ceri, G. Pasi, Trends in Search Interaction, in Marco Brambilla and Stefano Ceri eds., **Second Search Computing Workshop: Challenges and Directions**, number 6585, Lecture Notes in Computer Science, Springer Verlag, Milano, 25-31 May 2010. pp.26-32.
60. A. Ventresque, S. Cazalens, T. Cerqueus, P. Lamarre, G. Pasi, Personalization through Query Explanation and Document Adaptation, **PersDB 2010**, 4th International Workshop on Personalized Access, Profile Management, and Context Awareness in Databases, in conjunction with the **VLBD Conference**, 13 September 2010, Singapore.
61. N. B. Brisaboa, A. Cerdeira-Pena, G. Navarro, G. Pasi, An Efficient Implementation of a Flexible XPath Extension, in Proceedings of the **9th RIAO Conference**, Université Paris VI, campus des Cordeliers, Paris, France, 28-30 April, 2010, pp. 140-147.
62. L. Ughetto, V. Claveau, O. Pivert, P. Bosc, G. Pasi, Implication in Information Retrieval Systems, in Proceedings of the **9th RIAO Conference**, Université Paris VI, campus des Cordeliers, Paris, France, 28-30 April, 2010, pp.61-64.
63. S. Marrara, E. Panzeri, G. Pasi, A double layer indexing structure for flexible querying of XML documents, in Proceedings of the **9th RIAO Conference**, Université Paris VI, campus des Cordeliers, Paris, France, 28-30 April, 2010, pp. 130-131.
64. F. Guerra, A. Maurino, M. Palmonari, G. Pasi, A. Sala. Searching for Data and Services, **International Workshop on Service and Data Integration**, Proceedings of the Workshop "Interoperability through Semantic Data and Service Integration", co-located with SEBD 2009, Camogli (Genova), Italy, June 25th, 2009.
65. D. Beneventano, F. Guerra, A. Maurino, M. Palmonari, G. Pasi, A. Sala. Unified Semantic Search of Data and Services, in Communications in Computer and Information Science, 1, Volume 46, Metadata and Semantic Research, Part 1 (Proceedings of the **3rd International Conference on Metadata and Semantics Research**, Milan, Italy, 30 Sept – 2 Oct 2009), pp.95-107.
66. C. da Costa Pereira, M. Dragoni, G. Pasi: A Prioritized "And" Aggregation Operator for Multidimensional Relevance Assessment, Lecture Notes in Computer Science, 2009, Volume 5883, **AI*IA 2009: Emergent Perspectives in Artificial Intelligence**, pp. 72-81.
67. G. Bordogna, G. Pasi: Hierarchical-Hyperspherical Divisive Fuzzy C-Means (H2D-FCM) Clustering for Information Retrieval, **IEEE/WIC/ACM International Joint Conference on Web Intelligence and Intelligent Agent Technology, 2009**, 614-621.
68. C. da Costa Pereira, M. Dragoni, G. Pasi Multidimensional Relevance: A New Aggregation Criterion. Lecture Notes in Computer Science, 2009, Volume 5478, **Advances in Information Retrieval**, Pages 264-275 (**Proceedings of the BCS-IRSG European Conference on Information Retrieval**, EclR 2009, Toulouse, France, 6-9 April 2009).
69. C. Batini, D. Barone, F. Cabitza, G. Ciocca, F. Marini, G. Pasi, R. Schettini: Toward a Unified Model for Information Quality. **International Workshop on Quality in Databases and Management of Uncertain Data**, within VLDB 2008, New Zealand, pp. 113-122
70. E. Damiani, S. Marrara, G. Pasi.: A flexible extension of XPath to improve XML querying, **ACM SIGIR**, 2008, Singapore, pp. 849-850.
71. S. Calegari, G. Pasi, Personalized Ontology-Based Query Expansion, **IEEE/WIC/ACM International Joint Conferences on Web Intelligence and Intelligent Agent Technology**, Workshops, 2008, pp. 256-259
72. G. Bordogna, M. Pagani, G. Pasi, G. Psaila, Evaluating Uncertain Location-based Spatial Queries, Proceedings of the **ACM SAC International Conference, Track on Information Access and Retrieval**, 14-22 March 2008, Fortaleza, Brazil.

73. G. Bordogna, G. Pasi, Editorial message: special track on information access and retrieval **ACM Symposium on Applied Computing, SAC 2008**, 14-22 March 2008, Fortaleza, Brasile.
74. G. Bordogna, G. Pasi, , A multi criteria news filtering model , in **Proc. of the NAFIPS 2008**, New York 05-2008.
75. M. Baillie, G. Bordogna, F. Crestani, M.Landoni, G.Pasi, R.Villa. The PENG System: Integrating Push and Pull for Information Access, Lecture Notes in Computer Science, 2007, Volume 4822, **Asian Digital Libraries. Looking Back 10 Years and Forging New Frontiers**, Pages 351-360I, (Proceedings of ICADL 2007, Hanoi, Vietnam 12 December 2007).
76. G. Pasi, G. Bordogna, R. Villa, A multi-criteria content-based filtering system, Proceedings of the International Conference **ACM SIGIR 2007**, 30th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Amsterdam, The Netherlands, 23-27 July 2007, pp. 775-776.
77. C. Da Costa Pereira, G. Pasi, Fuzzy Indices of Document Reliability, Lecture Notes in Artificial Intelligence, LNAI 4578, Applications of Fuzzy Set Theory, Springer Verlag (Proceedings WILF 2007, **International Workshop on Fuzzy Logic**, Camogli, Italy, 7-10 July 2007), pp. 110-117.
78. M. Baziz, M. Boughanem, G. Pasi, H. Prade, An Information Retrieval Driven by Ontology: from Query to Document Expansion, **Eighth RIAO International Conference on Large-Scale Semantic Access to Content (Text, Image, Video and Sound)**, 30 May – 1 June 2007, Carnegie Mellon University, Pittsburgh, PA, USA.
79. E. Damiani, S. Marrara, G. Pasi, FuzzyXPath: using fuzzy logic an IR features to approximately query XML documents. Lecture Notes in Computer Science, 2007, Volume 4529, Foundations of Fuzzy Logic and Soft Computing (**Proceedings of 12th International Fuzzy Systems Association World Congress, IFSA 2007**, Cancun, Mexico, 18-21 June 2007), pp. 199-208.
80. G. Bordogna, M. Pagani, G.Pasi, Consensual Fusion of Uncertain Multisource Spatial data, in proc. of the IEEE International Conference on Fuzzy Systems, **FUZZ-IEEE 2007**, London, 24-27 July 2007, pp. 1-6.
81. G. Bordogna, M. Pagani, G.Pasi, G. Psaila, Flexible Location –based Spatial Queries, Lecture Notes in Computer Science, Volume 4529, Foundations of Fuzzy Logic and Soft Computing (**Proceedings of 12th International Fuzzy Systems Association World Congress, IFSA 2007**, Cancun, Mexico, 18-21 June 2007), pp.36-45.
82. F. Crestani, G. Pasi, Editorial message: special track on information access and retrieval, Proceedings dell’**ACM Symposium on Applied Computing, SAC 2007**, Seoul, Korea, 11 – 15 March 2007.
83. F. Crestani, G. Pasi, Editorial message: special track on information access and retrieval, Proceedings dell’**ACM Symposium on Applied Computing, SAC 2006**, pp. 1018-1019, Dijon, France, 23-27 April 2006.
84. G. Bordogna, M. Pagani, G. Pasi, L. Antonioli, F. Invernizzi, An Incremental Hierarchical Fuzzy Clustering Algorithm Supporting News Filtering. Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based System**, IPMU 2006, 2-7 July 2006.
85. G. Pasi, G. Bordogna, R. Villa, The PENG System: Practice and Experience, **DEXA Workshops FLEXDBIST 2006**, 2006, pp. 445-449.
86. G. Bordogna, M. Pagani, G. Pasi, R. Villa, A Flexible News Filtering Model Exploiting a Hierarchical Fuzzy Categorization. Lecture Notes in Computer Science, 2006, Volume 4027, Proceedings of **Flexible Query Answering Systems 2006 (FQAS 2006)**, LNAI 4027, pp. 170-184, 2006.
87. G. Bordogna, G. Pasi, Overview of the PENG project, Proceedings of **SAMT 2006**, 1st Int. Conf on Semantics and Digital Media Technologies, Athens, 6-8 December 2006.
88. D.H. Kraft, G. Pasi, G. Bordogna, Vagueness and Uncertainty in Information Retrieval: How Can Fuzzy Sets Help?, invited paper, **International Workshop on Research Issues in Digital Libraries**, Kolkata, West Bengal, India, December 2006.
89. M. Baziz, M. Boughanem, G. Pasi, H. Prade, A fuzzy set approach to concept-based information retrieval, **EUSFLAT Conference**, Barcelona, September 2005.
90. G.Pasi, R.Villa, “Personalized News Content Programming (PENG): A System Architecture”, in the proceedings of the International DEXA Workshop **Integrating Data Mining, Databases and Information Retrieval (IDDI-05)**, Copenhagen, Denmark, 22 August 2005.
91. G. Bordogna, G. Pasi, Modelling Conditional Preferences in Flexible Querying Databases, Proceedings di **IFSA 2005**, Beijing, Cina, July 2005.
92. G.Pasi “An Overview of the PENG (Personalized News content programminG) Project” , in the proceedings of the **European Workshop on the Integration of Knowledge, Semantics and Digital Media Technology**, 25-26 November 2004, London, U.K.

93. P. Carrara, G. Pasi, M. Pepe, A. Rampini, An Indexing Model of Remote Sensing Images. Lecture Notes in Computer Science, 2004, Volume 3115, Image and Video Retrieval (Proceedings of the **International Conference on Image and Video Retrieval**, CIVR 2004, 21-23 July 2004, Dublin).
94. M. Boughanem, G. Pasi, H.Prade, A fuzzy set approach to concept-based information retrieval, Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 2004, 4-9 July 2004 Perugia.
95. G. Bordogna, G. Pasi, R.R. Yager Soft Approaches to Distributed Information Retrieval, Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 2004, 4-9 July 2004 Perugia.
96. K. Atanassov, G. Pasi, R. Yager, V. Atanassova, Intuitionistic fuzzy graph interpretations of multi-person multi-criteria decision making. Proc. of the **Third Conf. of the European Society for Fuzzy Logic and Technology EUSFLAT' 2003**, Zittau, 10-12 September 2003, 177-182.
97. G. Pasi, K. Atanassov, P. Melo Pinto, R. Yager, V. Atanassova, Multi-person multi-criteria decision making: intuitionistic fuzzy approach and generalized net model. Proc. of the **10th ISPE Int. Conf. on Concurrent Engineering "Advanced Design, Production and Management Systems"**, 26-30 July 2003, Madeira, 1073-1078.
98. P. Carrara, G. Fresta, M. Gomasasca, G. Pasi, D. Poggioli, A. Rampini, A reversible Web architecture for the management of geographic information", **AGILE 2003 Conference**, 2003.
99. G. Pasi, R.R. Yager, Modeling the Concept of Fuzzy Majority Opinion, Lecture Notes in Computer Science, 2003, Volume 2715, Fuzzy Sets and Systems (Proceedings of the **IFSA Conference**, Istanbul, Turkey, 29 June - 2 July 2003), Pages 143-150.
100. G. Bordogna, G. Pasi, Modeling Preferences in Fuzzy Queries by Tuning the Evaluation Function of Selection Conditions, **IFSA 2003 Conference**, Istanbul, Turkey, 29 June - 2 July 2003.
101. A. Molinari, G. Pasi, R.A. Marques Pereira, An Indexing Model of HTML Documents, **18th ACM Symposium on Applied Computing, Melbourne**, Florida, USA, 9-12 March 2003.
102. E. Herrera-Viedma, G. Pasi. Fuzzy approaches to access information on the Web: recent developments and research trends. International Conference on Fuzzy Logic and Technology (EUSFLAT03), Zittau, Germany, pp. 25-31, 2003.
103. G. Pasi, Intelligent Information Retrieval: some research trends, **Seventh Online World Conference on Soft Computing in Industrial Applications (WSC7)**, 2002.
104. G. Bordogna and G. Pasi, A semantics for soft selection conditions in fuzzy databases based on fuzzy inclusion, **EUROFUSE Workshop on Information Systems**, Varenna, 23-25 September 2002.
105. D. Braga, A. Campi, E. Damiani, P. Lanzi, G. Pasi, A. Rampini, FXPath: flexible querying of XML documents, **EUROFUSE Workshop on Information Systems**, Varenna, 23-25 September 2002.
106. P. Carrara, G. Pasi, A. Rampini, Content-based indexing and retrieval of remote sensing images by spectral properties, **EUROFUSE Workshop on Information Systems**, Varenna, 23-25 Settembre 2002.
107. K. Atanassov, G. Pasi, R.R.Yager, Intuitionistic Fuzzy Interpretations of multi-measurement tool multi-criteria Decision Making, **International Conference on Intuitionistic Fuzzy Sets, Varna**, Bulgaria, 12-13 September 2003.
108. K. Atanassov, G. Pasi, R.R.Yager, Intuitionistic Fuzzy Interpretations of multi-person multi-criteria Decision Making, **First International IEEE Symposium 'Intelligent Systems'**, Varna, Bulgaria, 10-12 September 2002.
109. G. Pasi and R.R. Yager, Modelling Majority in Multi Agent Decision Making, Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems IPMU 2002**, Annecy, July 2002.
110. G. Pasi and R.R. Yager, A consumer Decision Support System for Internet Shopping, **FUZZ-IEEE 2002**, May 2002, Honolulu, Hawaii.
111. G. Bordogna and G. Pasi, Flexible Querying of Web Documents, in Proceedings "Special Track on Information Access and Retrieval Systems", "**17th ACM Symposium on Applied Computing**", Madrid, 10-14 March 2002.
112. M. Boughanem, F. Cunsolo, M. C. Di Cocco, G. Pasi, L. Pavese, "e-Court – a multimedia information system for the management of courtroom information", Proceedings Workshop "Management of uncertainty and imprecision in multimedia information systems" ECSQARU-2001 (**Sixth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty** - Toulouse, 19-21 September 2001).
113. P. Carrara, D. Carrion, G. Pasi, A. Rampini, "A content-based approach to the indexing and retrieval of remote sensing images", Proceedings Workshop "Management of uncertainty and imprecision in multimedia information systems" ECSQARU-2001 (**Sixth European Conference on Symbolic and Quantitative Approaches to Reasoning with Uncertainty** - Toulouse, 19-21 September 2001).

- 114.G. Bordogna and G. Pasi, "A user-adaptive indexing model of structured documents", **IEEE International conference on Fuzzy Systems**, Melbourne, Australia, November 2001.
- 115.R.R. Yager, G. Pasi, "Describing Product Categories to Aid Internet Shopping", **IJCAI-01 Workshop on E-Business & the Intelligent Web**, Seattle, August 2001.
- 116.G. Pasi, "Preference modelling in Information Systems", **Workshop on Preference Modelling and Applications**, Granada, Spagna, 25-28 April 2001.
- 117.G. Bordogna, G.Pasi, "Flexible Querying of Structured Documents", proc. 4th International Conference on Flexible Query Answering Systems - FQAS 2000, Warsaw, 25-28 October 2000.
- 118.G. Bordogna, G.Pasi, "Linguistic granules to express importance in an ordinal Information Retrieval model", Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 2000, Madrid, July 2000.
- 119.G. Pasi, S. Cescotti, "A model of group decision making based on linguistic summaries", Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 2000, Madrid, July 2000.
- 120.S. Cescotti, G. Pasi, "A linguistic approach to Multi Criteria Decision Making based on Linguistic Summaries", **Fifth International Conference on Fuzzy Sets Theory and its Applications**, 30 January – 4 February 2000, The Slovak Republic.
- 121.G. Bordogna, G. Pasi, "Flexible Querying in Information Retrieval", **Fifth International Conference on Fuzzy Sets Theory and its Applications**, 30 January – 4 February 2000, The Slovak Republic.
- 122.G. Bordogna and G. Pasi, "A Fuzzy Rule Based Mechanism for Ranking Multiple Information Sources", proc. of **ICONIP'99**, Perth, 6-10 November 1999.
- 123.G. Bordogna and G. Pasi, "Typicality based on Soft Aggregations in Fuzzy Object Oriented Database", in proc. of **EUSFLAT'99**, Palma De Mallorca, 22-25 September 1999.
- 124.G. Pasi, "A logical formulation of the Boolean model and of weighted Boolean models", Workshop on Logical and Uncertainty Models for Information Systems (LUMIS 99), University College London, Inghilterra, 5-6 July 1999.
- 125.G. Bordogna and G. Pasi, "Fuzzy Rule Based Information Retrieval", proceedings of the Int. conf. **NAFIPS'99**, New York, 9-11 June 1999.
- 126.G. Bordogna and G. Pasi, "Typicality based on soft Aggregations in Crisp Object Oriented Database", proceedings of the Int. conf. **NAFIPS'99**, New York, 9-11 June 1999.
- 127.G. Bordogna and G. Pasi, "Linguistic Qualifiers of vagueness and uncertainty in a fuzzy object oriented data model", in proc. of **Third International Computer Science Convention: Intelligent Industrial Automation and Soft Computing'99**, Genova, 1-4 June 1999.
- 128.R.A. Marques Pereira and G. Pasi, "On non-monotonic aggregation: mixture operators", proceedings of the Int. conf. **Joint EUROFUSE-SIC '99 International Conference**, 25-28 May 1999, Budapest, 1999.
- 129.G. Bordogna and G. Pasi, "A vector Space model of group decision making", **TRENTO 98**, Trento, June 1998, 1998.
- 130.G. Bordogna and G. Pasi, "Management of Linguistic Qualification of Uncertainty in a Fuzzy Database", Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 1998, Paris, 6-10 July 1998.
- 131.G. Pasi and R.R. Yager, "On the Issue of Document Retrieval from Multiple Independent Sources", Proceedings of the International Conference on **Information Processing and Management of Uncertainty in Knowledge Based Systems**, IPMU 1998, Paris, 6-10 July 1998.
- 132.D. Kraft, G. Bordogna and G. Pasi, "Information Retrieval Systems: where is the Fuzz", **IEEE International Conference on Fuzzy Systems**, Anchorage, 6-10 May 1998.
- 133.G. Pasi and R.R. Yager, "An Approach to Compute Default Attribute Values in Fuzzy Object Oriented Data Models", **IEEE International Conference on Fuzzy Systems**, Anchorage, 6-10 May 1998.
- 134.G. Pasi "Soft Information Retrieval", "**Rencontres Francophones sur la Logique Floue et ses Applications**", Lyon, 3-4 Dicembre 1997 (plenary lecture).
- 135.R. A. Marques Pereira and G. Pasi, "A relevance Feedback Model Based on Soft Consensus Dynamics", **IEEE International Conference on Fuzzy Systems**, 1-5 July 1997, Barcellona.
- 136.G. Bordogna, M. Fedrizzi, G. Pasi, "The Evaluation of Consensus in Group Decision Making: a Linguistic Approach", proceedings of the Int. conf. International Fuzzy Set Association, **IFSA '97**, 25-29 June 1997, Praga.
- 137.A. Molinari and G. Pasi, "A Fuzzy Representation of HTML Documents for Information Retrieval Systems", proceedings of the Int. conf. **IEEE International Conference on Fuzzy Systems**, New Orleans, 8-12 September 1996.
- 138.G. Bordogna, G. Pasi, A. Petrosino, "Relevance Feedback based on a Neural Network", proceedings of the Int. conf. **EUFIT'96**, Aachen, 2-5 September 1996.

139. G. Bordogna, P. Bosc, G. Pasi, "Weighted Retrieval Models in terms of Fuzzy Set Operations", proceedings of the Int. conf. **Information Processing and Management of Uncertainty in Knowledge-Based Systems '96**, 1171-1176, Granada 1-4 July 1996.
140. G. Bordogna and G. Pasi, "Fuzzy Querying in Information Retrieval", proceedings of the Int. conf. **WILF'95**, Napoli, 24-26 September 1995.
141. G. Bordogna, P. Bosc, G. Pasi, "Fuzzy Inclusion in Database and Information Retrieval Query Interpretation", proceedings of the Int. conf. **ACM Computing Week - SAC'96**, Philadelphia, USA, 547-552, 18-20 February 1996.
142. G. Bordogna and G. Pasi, "Handling Vagueness in Information Retrieval Systems", proceedings of the Int. conf. **Second New Zealand International Two-Stream Conference on Neural Networks and Expert Systems**, 110-116, Dunedin, Nuova Zelanda, 20-23 November 1995.
143. G. Bordogna, M. Fedrizzi, G. Pasi, "A Linguistic Approach to the Evaluation of Consensus in Group Decision Making", proceedings of the Int. conf. **International Conference on Current Issues in Fuzzy Technologies '95**, 7-13, Trento, 7-9 June, 1995.
144. G. Bordogna and G. Pasi, "Fuzzy Linguistic Approaches to Information Retrieval", proceedings of the **4th IEEE International Conference on Fuzzy Systems**, 73-79, Yokohama, Giappone, 20-21 March 1995.
145. D. Lucarella, G. Bordogna, G. Pasi, "Pattern-based Retrieval in a Fuzzy Object Oriented Data Base", proceedings of the Int. conf. **ACM Computing week-SAC'95**, 508-514, Nashville, USA, 25 February - 3 March 1995.
146. G. Bordogna, G. Pasi, "Relevance Feedback in Information Retrieval modeled by a User Adaptive Neural Network", proceedings of the Int. conf. **3rd International Conference on Fuzzy Logic, Neural Nets and Soft Computing**, 105-107, Iizuka, Fukuoka, Japan, 1-7 August 1994.
147. G. Bordogna, M. Fedrizzi, G. Pasi, "A Linguistic Approach to Modelling of Consensus in GDSS", **EURO XIII Conference Operational Research Designing Practical Solutions**, Glasgow, UK, 19-22 July 1994.
148. G. Bordogna, D. Lucarella, G. Pasi, "A Fuzzy Object Oriented Data Model", proceedings of the Int. conf. **3th IEEE Conference on Fuzzy Systems**, Vol 1, 313-318, Orlando Florida, 26 Giugno - 2 July, 1994.
149. G. Bordogna, G. Pasi, "A Relevance Feedback Model for a Fuzzy Information Retrieval System", proceedings of the **4th International Conference on Current Issues in Fuzzy Technologies '94**, Trento, 1-3 June 1994, pp.53-56.
150. G. Bordogna, G. Pasi, "A Fuzzy Query Language with a Linguistic Hierarchical Aggregator", proceedings of the Int. conf. **ACM Computing week- SAC'94**, Phoenix, Arizona, 6-8 March 184-188, 1994.
151. G. Bordogna, G. Pasi, "Fuzzy Approaches to Soft Information Retrieval", proceedings of the conf. **Les applications des ensembles flous '93**, Nimes, France, pp. 157-163, 26-27 October 1993 (plenary lecture).
152. G. Bordogna, G. Pasi, "Multi Criteria Decision Making in Information Retrieval", proceedings of the **3rd International Conference on Current Issues in Fuzzy Technologies '93**, Roncesgno, G. Bordogna, P. Carrara, G. Pasi, "Fuzzy Linguistic Approaches in Information Retrieval", in "Automazione e Strumentazione", **special issue on the 1st Workshop on fuzzy set theory in real applications**, Milano, 10 May, 66-72, 1993.
153. G. Bordogna, G. Pasi, D. Lucarella, "A Fuzzy Object Oriented Data Model", **1st Workshop on fuzzy set theory in real applications**, Milano, 10 May, 54-60, 1993.
154. G. Bordogna, P. Carrara, G. Pasi, "A Fuzzy Document Representation Supporting User Adaptation in Information Retrieval", proceedings of the **2nd IEEE International Conference on Fuzzy Systems**", Vol. 2, 974-979, San Francisco, CA, 28 March 1 April, 1993.
155. G. Bordogna, G. Pasi, "A Soft Aggregation of Selection Criteria in a Fuzzy Information Retrieval Environment", proceedings of the **International Conference on Fuzzy Systems and Intelligent Control**, 3-12, Louisville, KY, USA, March, 1993.
156. G. Bordogna, P. Carrara, G. Pasi, "Extending Boolean Information Retrieval: a Fuzzy Model based on Linguistic Variables", proceedings of the **1st IEEE International Conference on Fuzzy Systems**, 769-779, San Diego, CA, USA, 8-12 March, 1992.
157. G. Pasi, G. Bordogna, P. Carrara, "A Qualitative Retrieval Model", proceedings of the **International Conference ISCIS VI**, Elsevier publ., 65-74, Antalya 30 Ottobre, 2 November 1991.
158. G. Bordogna, P. Carrara, G. Pasi, "A Fuzzy Information Retrieval Model", proceedings of the **International Conference ISCIS V**, Nevsehir, Turchia, 1069-1079, 10 Ottobre, 2 November 1990.
159. G. Bordogna, P. Carrara, I. Gagliardi, D. Merelli, M. Padula, G. Pasi "A Query Evaluation Mechanism for an Information Retrieval System", proceedings of the **ISMM International Conference MICRO'90**, 108-112, Montreal, 22-24 May 1990.
160. G. Bordogna, P. Carrara, G. Pasi, "The Design of a Fuzzy Retrieval Model on a Prototypal Information Retrieval System", proceedings of the **8th IASTED International Symposium on Applied Informatics**, 128-131, Innsbruck, 19-21 February 1990.

161. G. Pasi, G.R. Sechi, "The Design of robust C Programs" proceedings of the **7th IASTED International Symposium on Applied Informatics**, 128-131, Svizzera, 8-10 February 1989.
162. E. Binaghi, G. Pasi, G.R. Sechi, "The Proposal of a Computing Model for Prototypes of Microprogrammed Machines solving Problems" proceedings of the **ACM MICRO21 Conference**, 134-138, S. Diego, 29 November-2 December 1988.
163. E. Binaghi, G. Pasi, G.R. Sechi, "The Acquisition of Knowledge about Digital Electronic Systems by using Formal Architectural Models", in **Education and Application of Computer Technology**, M. De Blasi, J. Donio, E. Luque and E. Scerri Eds., 199-220, Fratelli Laterza Publishers, 1988.
164. M. Alderighi, G. Pasi, G.R. Sechi, "LINSTA. an Abstract Data Type for Controlled Dynamic Allocation of Finite Stacks", proceedings of the **36th International Conference on Mini and Microcomputers and their Applications**, 215-223, Sant Feliu de Guixols, Gerona, Spagna, 27-30 June 1988.
165. G. Pasi, G.R. Sechi, M. Spreafico, M. Bisiach, P. Cortesi, A. Vercesi, "A System for Pattern Analysis in Plant Pathology Applications", **36th International Conference on Mini and Microcomputers and their Applications**, 474-477, Sant Feliu de Guixols, Gerona, Spagna, 27-30 June 1988.
166. G. Pasi, G.R. Sechi, M. Spreafico, P. Cortesi, A. Vercesi, "Un Système pour 'Image Processing' et 'Pattern Analysis' appliqué aux Bandes des Appareils Meteorologiques", **International Symposium "Problèmes phitosanitaires et perspectives de lutte intégré en viticulture"**, 709-712, Lisbona, Portogallo, 6-9 June 1988.
167. A. Vercesi, F. Zerbetto, G. Minervini, M. Bisiach, E. Binaghi, G. Pasi, G.R. Sechi, "Influence des Facteurs Climatiques sur l'Activité de quelques Antagonistes Microbiens du Botrytis Cinerea en Vignoble: une Analyse Statistique", **International Symposium "Influence of environmental factors on the control of grape pest, disease and weed"**, 211-221, 6-8 October 1987, Tessalonica, Grecia.

Proceedings of Italian Conferences

- S. Marrara, G. Pasi, S. Pellegrini, Una Strategia di Ranking di Attività Commerciali Basata su User Generated Content, Proceedings of the 7th Italian Information Retrieval Workshop, Venezia, Italy, May 30-31, 2016.
- S. Marrara, G. Pasi. A Flexible Tool for Cross-Collection Patent Search, Proceedings of the 6th Italian Information Retrieval Workshop, Cagliari, Italy, May 25-26, 2015.
- M. A. Qureshi, C. O'Riordan, G. Pasi, Exploiting Wikipedia to Identify Domain-Specific Key Terms/Phrases from a Short-Text Collection. Proceedings of the 5th Italian Information Retrieval Workshop (IIR 2014), pp. 63-74.
- A. Younus, C. O'Riordan, G. Pasi, An Investigation into the Correlation between Willingness for Web Search Personalization and SNS Usage Patterns. Proceedings of the 5th Italian Information Retrieval Workshop (IIR 2014), pp. 80-84.
- E. Panzeri, G. Pasi, A Flexible Extension of XQuery Full-Text. Proceedings of the 4th Italian Information Retrieval Workshop (IIR 2013), pp. 29-32.
- S. Marrara, E. Panzeri, G. Pasi. A Flexible XML Query Language for NON Dummies. Proceedings of the 2nd Italian Information Retrieval Workshop (IIR 2011), Milan, Italy, January 27-28, 2011. CEUR Workshop Proceedings 704 CEUR-WS.org 2011.
- Silvia Calegari, Gabriella Pasi: Definition of User Profiles Based on the YAGO Ontology. Proceedings of the 2nd Italian Information Retrieval Workshop (IIR 2011), Milan, Italy, January 27-28, 2011. CEUR Workshop Proceedings 704 CEUR-WS.org 2011.
- C. da Costa Pereira, M. Dragoni, G. Pasi, User Evaluation of Multidimensional Relevance Assessment. Proceedings of the First Italian Information Retrieval Workshop (IIR 2010), CEUR-ws, Volume 560, ISSN 1613-0073, pages: 29-33.
- S. Calegari, G. Pasi, Gronto: a granular ontology for diversifying search results. Proceedings of the First Italian Information Retrieval Workshop (IIR 2010), CEUR-ws, Volume 560, ISSN 1613-0073, pages 59-63, 2010.