Curriculum Vitae of Gabriella Pasi

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Language skills

Fluent English and French

Education

- ***Laurea 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 October, 1st 2019: **Vice Rector for International Relations**, UNIVERSITY OF MILANO BICOCCA, Mlano, Italy.
- From October, 1st 2018: **Director of the Department of Informatics, Systems and Communication**, UNIVERSITY OF MILANO BICOCCA, Milano, Italy.
  - In her role of Director of Department, in 2022 she has conducted the process of selection of the research products for the National Evaluation of the Research of the Italian Universities, which takes places every three years. The outcome of the evaluation has seen the Department among the top ranked in Italy; as a consequence it was admitted to the call for projects proposals for the so called Departments of Excellence in Italy ; she has led the definition of the project proposal, which was among the selcted ones. The project, titled "ReGAInS: Reducing the Gap between Artificial Intelligence and Society" has obtained a financial support of around 6.5 millions euros over 5 years, starting in 2023. This is the first time the Deaprtment has achieved this recognition.
- From March, 1st 2015: **Full Professor** at the UNIVERSITY OF MILANO BICOCCA, Mlano, 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 **obtained qualification** 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 **obtained qualification** for the function of **University Professor in France**.

Other professional roles

- In 2021 she has been nominated by the **Italian Ministry if Research** as its representative in the leading committee of the national initiave "Repubblica Digitale", aimed at defining a strategy to improve the digital skills in Italy.
- She is one the co-founder and co-directors of the **Milan ELLIS Unit** (European Laboratory for Learning and Intelligent Systems).

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.

Professional Awards

- She has been awarded of the **Fellowship of the International Fuzzy Stsystems Association (IFSA)** in 2019
- She has been awarded of the **Web Intelligence Outstanding Service Award** in 2009

Research Experience

Short Description of Research Activities

The research activity of Gabriella Pasi is related to the field of Artificial Intelligence, more specifically to Natural Language Processing, and it addresses various tasks releated 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 amd 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. She is also working at the reserach issue of Representing She is also working on research releated to knowledge representation and reasoning.
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), 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 mutli-dimensiomal relevance assessment) and of social media analytics.
She is actually working on various research topics related to the above issues, among which:

- Text mining
- Uncertain 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 and Knowledge Representation, Retrieval, and Reasoning (IKR3) Laboratory** (formerly named **Information Retrieval Laboratory**) within the Department of Informatics, Systems and Communication, University of Milano Bicocca. Her research group is actually composed of two Associate Professors (Marco Viviani and Rafael Penaloza Nyssen), one Researcher (Alessandro Raganato), and eight PhD students (Elias Bassani, Paolo Tenti, Gian Carlo Milanese, Pranav Kasela, Georgios Peikos, Oscar Espitia, Rishabh Gyanendra Upadhyay, Marco Braga).
The IKR3 Lab 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). She appears in the list of world 2% top scientists of Stanford University.

Former Phd Students

- Emanuele Panzeri, *Enhanced XML Retrieval with Flexible Constraints Evaluation, AA 2012/2013*
- Muhammad Atif Qureshi, *Utilizing Wikipedia for Text Mining Applications,* AA 2013/2014
- Arjumand Younus, *Utilizing Social Breadcrumbs for User Profiling in Personalized Applications,* AA 2013/2014
- Ekaterina Shabunina, *Information Evolution Modeling, Tracking and Analyzing in Social Media Streams.*, AA 2016/2017
- Sondess Missaoui, *Context-Aware Approaches to Mobile Search,* AA 2017/2018
- Maha *Amami, Topic modeling for scientific paper recommendation,* AA 2017/2018
- Yassine Drias, *Web information foraging using Multi-agent System,* AA 2017/2018
- Divi Galih P. Putri, *Multidimensional Relevance in Social Media Retrieval* AA 2019/2020.

Service Activities

Institutional Service Activities

- **Member** of the committee for the evaluation of the research quality at University of Milano-Bicocca (Presidio per la Qualita della Ricerca – PQA ramo Ricerca).
- **Member** of the PhD Board ("Collegio dei Docenti del Dottorato") of the PhD in Computer Science.
- **Scientific responsible** for the Department of Informatics, Systems and Communication of the University of Milano-Bicocca 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).
- **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 Insitute for Multimedia Technologies of the National Council of Research (from 1995 to 2003).

Professional Service Activities

- **Chair of the Emergent Technology Technical Committee of the IEEE Computational Intelligence Society** (from 2019 to 2022).
- **Vice president** of the Web Intelligence Academy
- **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 of the board of directors** of the specialist group in Computer Science of the Italian Electrotechincal 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-MarseiIIe University, 2015 (aim: to provide an opinion on the research activities of the Aix-MarseiIIe 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 Committes in Universities abroad**.**

Research Projects

European Projects/Actions

- **Principal Investigator** of the HORIZON-MSCA-2021-DN-01 (Marie Skłodowska-Curie Innovative Training Networks) **Learning with Multiple Representations (LEMUR)**, 2022-2025.
- **Principal Investigator and leader of the Scientific Committee** of the H2020-MSCA-ITN-2019 (Marie Skłodowska-Curie Innovative Training Networks) **Domain Specific Systems for Information Extraction and Retrieval (DOSSIER)**, 2019-2022.
- **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

- Principal Investigator of the national PRIN (Progetti di Ricerca di Interesse Nazionale) Project **PerLIR: Personal Linguistic resources in Information Retrieval**, 2019-2022.
- **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 resonsible 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**, "Coping with Misinformation Online: Open Issues and Challenges", FLINS 2022, 15th Conference on Machine learning, Multi agent and Cyber physical systems, August 2022, China
- **Plenary Lecture**, "Efficient Languages for Knowledge Representation and Approximate Reasoning", IEEE World Congress in Computational Intelligence, Padova, July 2022.
- **Plenary Lecture**, "Credibility and Relevance in Information Retrieval", Workshop Romir 2021, within the 43rd European Conference in Informatio Retrieval, Lucca, 2021.
- **Plenary Lecture,** "Assessing Information Credibility in the Social Web", LFA 2021, Rencontres francophones sur le thème de la logique floue et de ses applications, Paris, October 2021.
- **Keynote talk**, "Assessing Information Credibility in the Social Web", 14th International Conference on Scalable Uncertainty Management, Bozen, Italy, September 2020.
- **Keynote talk**, "The Assessment of Information Credibility in the Social Web", 3rd International Conference on Computational Intelligence in Data Science, Chennai, India, February 20-22,. 2020.
- **Keynote talk**, "Evaluating Personalised Search and Recommendation: two sides of the same coin ?", Forum for Information Retrieval Evaluation (FIRE 2019), Kolkata, India, December 12th 15th. 2019.
- **Keynote talk**, "Assessing Information Credibility in the Social Web, First Toffee Workshop on Disinformation, IMT School for Advanced Studies, Lucca, 24th and 25th October, 2019.
- **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), Naples, Italy, July 9-12 2017.
- **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", Conference 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, Nimes, 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 Panel Women in IR, ACM SIGIR Conference, 11-15 July 2022.
- **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 Massachussets 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 199.
- 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

- *2005-present: University of Milano Bicocca.*
  Courses (both in Italian and in English):
  - Text Mining and NLP (*second year of the Bachelor on Artificial Intelligence*, *8 credits*) (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

- Foundations of Contectual IR, **12th European Summer School in Information Retrieval (ESSIR 2019)**, *15-19 July 2019, Milano, Italy.*
- 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, Nijmgen, Netherlands.*
- Uncertainty issues in query formulation, **2nd summer school about "Information Foraging,** *27 August-7 September 2012, Radboud University, Nijmgen, 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, Alcala 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 Cabitza, and Raimondo Schettini.)*
- Intelligent Approaches to Information Retrieval, *Second International Conference on Pattern Recognition and Machine Intelligence (PReMI'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 Salvatore Orlando) of the Web Intelligence Conference, 2023, Venice, Italy.
- **General Co-Chair** (with Paolo Cremonesi, Politecnico di Milano) of the12th Italian Information Retrieval Workshop (IIR 2022), 29-30 June 2022, Politecnico di Milano & Università di Milano-Bicocca, Italy.
- **General Co-Chair** (with Marco Viviani, Università di Milano Bicocca) of the16th International Conference on Modeling Decisions for Artificial Intelligence, University of Milano Bicocca, September 4-6, 2019.
- **General Co-Chair** (with Maristella Agosti and Nicola Ferro, Università degli Studi di Padova) of the **12th European Summer School in Information Retrieval** (ESSIR 2019), University of Milano-Bicocca, Milano, 15th – 20th July, 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, Universittà 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

- **Co-Chair** (with Jiafeng Guo) the **Reproducibility Papers Track** at the 46th International ACM SIGIR Conference on Research and Development in Information Retrieval will be held from 23-27 July, 2023 in Taipei.
- **Program Co-Chair** (with Eric Gaussier) of the 8th ACM SIGIR International Conference on the Theory of Information Retrieval, 11-12 July 2022, Madrid, Spain.
- **Best Paper Award Commitee**, European Conference in Information Retrieval (ECIR), April 2022, Norway.
- **Program Co-Chair** (with Craig McDonald) of the CLEF 2022: Conference and Labs of the Evaluation Forum, September 2022, Bologna, Italy.
- **Senior Track Chair** of the 60th Annual Meeting of the Association for Computational Linguistics – ACL, May 2022.
- **Test of Time Award Chair** of the 43rd European Conference on Information Retrieval (ECIR 2021), Lucca, Italy, March 28th – April 3rd 2021.
- **Program co-chair** (with Dinesh Verma, IBM TJ Watson) of IEEE International Conference on Cognitive Computing (IEEE ICCC), 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 Influencial 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 Instutute 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

- **Tutorials Co-Chair** of the second International Conference on Artificial Intelligence and Machine Learning Systems (AIML Systems), Bangalore, India from 12th - 15th October 2022
- **Workshop and Tutorial Co-Ch**air of the 38th 2021 IEEE International Conference on Fuzzy Systems, Luxembourg, 2021.
- **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, Shangai, China.
- Member of the **Organizing Commitee** 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:

- *Université de Toulouse, France, Paul Musset, Modèles Neuronaux pour la Représentation et l'Appariement d'Ojets Geotextuels. May 2020.*
- *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

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

- *ECAI 2023(**Senior PC member**)*
- *ACM Sigir 2022, 2023 ((**Senior PC member**)*
- *CIKM 2022 ((**Senior PC member**))*

- *TPDL 2022, (**Senior PC member**)*
- *ACM Conference on Information and Knowledge Management (CIKM, **Senior PC Member** 2016, 2017, 2018, 2019, 2020, 2021, 2022).*
- *ECIR 2015, 2016, 2017, 2019, 2023 (**Senior PC Member**)*
- *IJCAI 2017 , 2018, 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 Kiwledge-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 a 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)*

She is a member of the Advisory Board of the Natural Language Processing Journal, Elsevier

Edited Books/Proceedings.

Edited Proceedings

1. *V. Torra, Y. Narukawa, G. Pasi, M. Viviani: Modeling Decisions for Artificial Intelligence - 16th International Conference, MDAI 2019, Milan, Italy, September 4-6, 2019, Proceedings. Lecture Notes in Computer Science 11676, Springer 2019, ISBN 978-3-030-26772-8*

2. *M. Agosti, E. Di Buccio, M. Melucci, S. Mizzaro, G. Pasi, F. Silvestri: Proceedings of the 10th Italian Information Retrieval Workshop, Padova, Italy, September 16-18, 2019. CEUR Workshop Proceedings 2441, CEUR-WS.org 2019.*
3. *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.*
4. *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.*
5. *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.*
6. *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.*
7. *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.*
8. *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.*
9. *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*
10. *G. Pasi, P. Bellot, Proceedings of the* 8th French Information Retrieval Conference *(COnférence en Recherche d'Infomations et Applications - CORIA 2011), Avignon, France, March 16-18, 2011, Éditions Universitaires d'Avignon 2011, ISBN 978-2-35768-024-1.*
11. *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.*
12. *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.*
13. *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.*
14. *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.*
15. *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.*
16. *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.*
17. *H. Larsen, G. Pasi, D. Ortiz-Arroyo, T. Andreasen, 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.*
18. *A. Bonarini, F. Masulli, G. Pasi, Applications of Soft Computing, Physica Verlag, 2003.*
19. *B. De Baets, J. Fodor, G. Pasi, Proceedings of the* EUROFUSE Workshop on Information Systems*, 2002.*
20. *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. *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.*

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. *R Upadhyay, G Pasi, M. Viviani. Vec4Cred: a model for health misinformation detection in web pages.* ***Multimedia Tools and Applications****, 1-20, 2022.*
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