

PERSONAL INFORMATION

Marco Viviani




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WORK EXPERIENCE

2021 – Present

Associate Professor

University of Milano-Bicocca – *Department of Informatics, Systems, and Communication* (DISCo) | <https://www.disco.unimib.it/>

- Research activities focused on developing solutions for effective and efficient access to truthful information in online communities, personalized and professional search, responsible AI for the access and dissemination of online health information, addressing linguistic gender bias in textual documents, and analyzing the risk of sensitive user information disclosure on social media platforms;
- Organizer of international research initiatives focused on studying credibility issues in Information Retrieval – ROMCIR 2021–2025, <https://romcir.disco.unimib.it/> – and the truthfulness of health-related information disseminated online – TrueHealth 2023, <https://truehealth.disco.unimib.it/>;
- Organizer of a national research initiative focused on the multidisciplinary study of Blockchain and DLT technologies. DLT Workshop 2023, <https://dltworkshop.disco.unimib.it/>;
- Advisor of Project 8: "Multiple representations in search and recommendation" within LEMUR: MSCA (Marie Skłodowska-Curie Actions) Doctoral Network (DN) 2021 on *Learning with Multiple Representations* (HORIZON-MSCA-2021-DN-01);
- Associate Investigator of the PRIN 2022 KURAMi Project: *Knowledge-based, explainable User empowerment in Releasing private data and Assessing Misinformation in online environments*, <https://kurami.disco.unimib.it/>;
- Member of the PRIN 2019 PerLIR Project: *Personal Linguistic resources in Information Retrieval*;
- Associate Editor. *Social Network Analysis and Mining* (SNAM). Springer-Verlag GmbH Austria, part of Springer Nature. E-ISSN 1869-5469. Associate Editor. *Frontiers in Artificial Intelligence – Natural Language Processing*. Frontiers Media S.A. Area Editor (Web Intelligence). Area Editor (Web Intelligence). *International Journal of Computational Intelligence Systems* (IJCIS). E-ISSN 1875-6883. Editorial Board Member [2021-2024]. *Online Social Networks and Media* (OSNEM). Elsevier. ISSN 2468-6964;
- Supervisor/co-supervisor of doctoral students.

2019 – 2021

Assistant Professor (RTD-b)

University of Milano-Bicocca – *Department of Informatics, Systems, and Communication* (DISCo), Milan, Italy | <https://www.disco.unimib.it/>

- Research activities in the fields of data mining, text mining, information retrieval, and social computing, with particular reference to virtual community identification and modeling, evaluating the truthfulness of user-generated content online, information dissemination in social networks, vulnerability analysis of psychological distress in open communities, social reading;
- Organizer of international research initiatives related to AI (e.g., General Co-chair of MDAI 2019, <http://www.mdai.cat/mdai2019/>);
- Supervisor/co-supervisor of doctoral students.

2015 – 2018

Senior Research Fellow

University of Milano-Bicocca – *Department of Informatics, Systems, and Communication (DISCo)*, Milan, Italy | <https://www.disco.unimib.it/>

- Research activities in the fields of data mining, text mining, and information retrieval, with particular reference to *Social Network Analysis* (SNA), evaluation of the quality and truthfulness of data and information in social media;
- Responsible for the research project entitled: "Multi-dimensional and Content-based (Topic-based, Context-based, User-based) Information Diffusion in the Social Web".

2012 – 2013 **Research Fellow**

University of Insubria – *Department of Theoretical and Applied Sciences (DiSTA)*, Varese, Italy | <https://www.uninsubria.it/dista/>

- Research activities in *Social Network Analysis* (SNA), with particular reference to trust and reputation modeling and management in *Online Social Networks* (OSN);
- Responsible for the research project entitled: "Privacy in reti sociali geo-referenziate" (Privacy in geo-referenced social networks).

2010 – 2011 **Research Fellow**

Institut National des Sciences Appliquées (INSA) – *Laboratoire d'Informatique en Image et Systèmes d'information (LIRIS)*, Lyon, France | <https://liris.cnrs.fr/>

- Research activities in the fields of user modeling, data/information propagation, trust and reputation management in multi-agent systems;
- Research activities funded through the "Bonus Qualité Recherche" on the ORI-OAI project. French national project funded by the *Ministère de l'Éducation, de l'Enseignement Supérieur et de la Recherche* (MEESR) and the *Agence Bibliographique de l'Enseignement Supérieur* (ABES), developed to multiply the use of digital resources in universities and research centers, to address: 1. the valorization of digital heritage, and 2. the building networks of documentation centers;
- Research activities funded through the "Bourse internationale de mobilité Accueil Pro 2010" on the project SIMED: *Simulation en Imagerie Médicale pour le Diagnostic et la thérapie*. French national project funded by the Rhône-Alpes region in order to develop regional research in the field of digital simulation in medical imaging.

2008 – 2009 **Research Fellow**

University of Burgundy – *Laboratoire Électronique, Informatique et Image (LE2I)*, Dijon, France | <https://en.u-bourgogne.fr/research/research-unit.html>

- Research activities in the area of Web service composition, XML/RDF data management, trust and reputation management in distributed systems;
- Research activities funded by the "Conseil régional de Bourgogne" for the research project: "Gestion de masses de données multimédia" (Management of multimedia data systems).

EDUCATION AND TRAINING

2019 **24 ECTS Credits**

in Anthro-Psycho-Pedagogical Subjects and Teaching Methodology and Technology
Sapienza University of Rome

2008 **PhD in Computer Science**

University of Milan – *Department of Informatics (DI)*, Milan, Italy | <http://www.di.unimi.it/>

- PhD Thesis: "Aggregation-based Trust Management in Multi-agent Systems", Supervisor: Prof. Ernesto Damiani.

2004 **Master's Degree in Computer Science**

University of Milan – *Department of Informatics (DI)*, Milan, Italy | <http://www.di.unimi.it/>

PERSONAL SKILLS

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C1
French	C2	C2	C2	C2	C1

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
[Common European Framework of Reference for Languages](#)

- Digital skills**
- Expert in AI solution modeling;
 - Expert in Computational Social Science;
 - Expert in Open Science and related matters;
 - Expert in Programming techniques (Java, Python);
 - Expert in Web services, technologies, and applications;
- Job-related skills**
- Management of research initiatives (international conferences, special tracks, workshops, special issues);
 - Management of undergraduate, Master's and doctoral students (around 50 students in the last 3 years);
 - Involvement in the management of Working groups (up to 10 researchers);
 - Involvement in regional, national, and international projects (up to 5 million euros).
- Evaluation metrics**
- H-index: Scopus (19), Scholar (25);
 - Citations: Scopus (~1,150), Scholar (~1,920);
 - Indexed products in the last 10 years: Scopus (~70), Scholar (~100).

MAIN RESEARCH PROJECTS

- 2024–25 **Associate Investigator**. KURAMi: *Knowledge-based, explainable User empowerment in Releasing private data and Assessing Misinformation in online environments*. Funding: Italian Ministry of Research PRIN 2022 (Progetti di Rilevante Interesse Nazionale). <https://kurami.disco.unimib.it/>
- 2024–24 **Member**. AMAR: *Adaptive Models for context-Aware Representation and understanding of multimedia content*. Funding: PNRR 2022 National Recovery and Resilience Plan (Piano Nazionale di Ripresa e Resilienza), Cascade Funding.
- 2024–25 **Member** (WP4: *Consumer Health Information Analysis and Search*, WP6: *AI and Big Data for a Responsible and Trustworthy Communication Society*). HPC, Big Data and Quantum Computing (Simulazioni, calcolo e analisi dei dati ad alte prestazioni, CN1) – Spoke 9: Digital Society and Smart Cities. Funding: PNRR 2022 National Recovery and Resilience Plan (Piano Nazionale di Ripresa e Resilienza), Cascade Funding.
- 2023–25 **Member**. LeMuR: *Learning with Multiple Representations*. Funding: MSCA-DN (Marie Skłodowska-Curie Actions Doctoral Network) 2021. <https://lemur-dn.github.io/>
- 2021–24 **Principal Investigator**. *Natural Language Processing and Computer Vision applied to information extraction, classification, linking, and retrieval in legaltech, fintech, proptech, and insurtech*. Funding: Lombardy Region. Project ID 3874245 CUP: H45E22000940002.
- 2022–23 **Member**. PerLIR: *Personal Linguistic resources in Information Retrieval*. Funding: Italian Ministry of Research PRIN 2019 (Progetti di Rilevante Interesse Nazionale).
- 2021–23 **Member**. **ESR Supervisor** (Project 8: *Assessing Credibility, Value, and Relevance*). DoSSIER: *Domain-Specific Systems for Information Extraction and Retrieval*. Funding: EU Horizon 2020 ITN/ETN. <https://dossier-project.eu/>

ORGANIZATION ACTIVITIES

Chair and Organizer

- **Program Co-chair.** IIR 2024: The 14th Italian Information Retrieval Workshop, September 5-6, 2024 | Udine, Italy
- **Co-chair.** Security, Privacy, and Trust, Track @ AICSSA 2024 / The 21th ACS/IEEE International Conference on Computer Systems and Applications, October 22-26, 2024 | Sousse, Tunisia
- **Co-chair.** ROMCIR 2024: Reducing Online Misinformation through Credible Information Retrieval, Workshop @ ECIR 2024 / The 46th European Conference on Information Retrieval, March 24, 2024 | Glasgow, UK
- **Co-organizer.** DLT Workshop 2023 / 5th DLT Working Group Meeting on Multidisciplinary Aspects | December 21-22, 2023 | University of Milano-Bicocca, Milan, Italy
- **Co-chair.** Security, Privacy, and Trust, Track @ AICSSA 2023 / The 20th ACS/IEEE International Conference on Computer Systems and Applications, December 4-7, 2023 | Smart Village, Giza, Egypt
- **Co-chair.** TrueHealth 2023: Workshop on Combating Health Misinformation for Social Well-being @ ICWSM 2023 / The International AAAI Conference on Web and Social Media, June 5-8, 2023 | Limassol, Cyprus
- **Co-chair.** ROMCIR 2023: Reducing Online Misinformation through Credible Information Retrieval, Workshop @ ECIR 2023 / The 45th European Conference on Information Retrieval, April 2, 2023 | Dublin, Ireland
- **Co-chair.** ROMCIR 2022: Reducing Online Misinformation through Credible Information Retrieval, Workshop @ ECIR 2022 / The 44th European Conference on Information Retrieval, April 10, 2022 | Stavanger, Norway
- **Co-organizer.** CLEF eHealth Evaluation Lab 2021 – Task 2: Consumer Health Search (CHS) (Online Event)
- **Co-chair.** ROMCIR 2021: Reducing Online Misinformation through Credible Information Retrieval, Workshop @ ECIR 2021 / The 43rd European Conference on Information Retrieval, March 28 – April 1, 2021 / Lucca, Italy (Online Event)
- **Co-organizer.** CLEF eHealth Evaluation Lab 2020 – Task 2: Consumer Health Search (CHS), September 22-25, 2020 / Thessaloniki, Greece (Online Event)
- **Co-chair.** Artificial Intelligence for Big Social Data Analysis (AI4BigData'20), Special Track @ FLAIRS-33 / The 33rd International FLAIRS Conference, May 17-20, 2019 / North Miami Beach, Florida, USA
- **General Co-chair.** MDAI 2019: The 16th International Conference on Modeling Decisions for Artificial Intelligence, September 4-6, 2019 / Milan, Italy (Call for Papers)
- **Co-chair.** Artificial Intelligence for Big Social Data Analysis (AI4BigData'19), Special Track @ FLAIRS-32 / The 32nd International FLAIRS Conference, May 19-22, 2019 / Sarasota, Florida, USA
- **Co-chair.** SeCredISData 2018, Special Session on Sentiment, Emotion, and Credibility of Information in Social data @ DSAA 2018 / The 5th IEEE International Conference on Data Science and Advanced Analytics, October 1-4, 2018 / Turin, Italy
- **Co-chair.** Soft Computing: Methods and Applications, Minitrack in the Decision Analytics, Mobile Services, and Service Science Track @ HICSS-51 / The 51st Hawaii International Conference on Systems Sciences, January 3-6, 2018 / Hilton Waikoloa Village, Big Island, HI, USA
- **Co-chair.** The role of big data and collaborative networks in health, Special Session @ PRO-VE 2017: The 18th Working Conference on Virtual Enterprises, September 18-20, 2017 / Vicenza, Italy
- **Member of the Organizing Committee.** First European Summer School on Fuzzy Logic and Applications / Lake Como School of Advanced Studies, September 7-11, 2015 / Como, Italy
- **Co-chair.** MultiA-Pro 2010, the First International Workshop on User Profiles in Multi-application Environments @ CENTRIC 2010, August 22-27, 2010 / Nice, France

- Other Chairing Activities
- **Student Affairs Chair.** The 48th International ACM SIGIR Conference on Research and Development in Information Retrieval, July 13-18, 2025 / Padua, Italy
 - **Local Organizer.** Mediterranean Machine Learning (M2L) Summer School, September 9-13, 2024 / Milan, Italy
 - **Workshop Chair.** The 22nd IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT 2023)
 - **Area Chair.** Computational Social Science and Cultural Analytics Track at the 61st Annual Meeting of the Association for Computational Linguistics (ACL 2023), July 9-14, 2023 / Toronto, Canada
 - **Publicity Chair.** The 20th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2021), December 1-3, 2021 / Milan, Italy
 - **Web Chair.** The 19th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU 2022), July 11-15, 2022 / Milan, Italy
 - **Publicity Chair.** The 19th International Conference of the Italian Association for Artificial Intelligence (AI*IA 2020), November 24-27, 2020 / Milan, Italy
 - **Local Organization Chair.** The 12th European Summer School in Information Retrieval (ESSIR 2019), July 15-19, 2019 / Milan, Italy
 - **Web and Publicity Chair.** The 12th International Conference on Scalable Uncertainty Management (SUM 2018) October 3-5 / Milan, Italy
 - **Tutorial Chair.** The 12th International Workshop on Fuzzy Logic and Applications (WILF 2018) September 6-8, 2018 / Genova, Italy

EDITORIAL ACTIVITIES

- **Associate Editor.** *Social Network Analysis and Mining* (SNAM). Springer-Verlag GmbH Austria, part of Springer Nature. Electronic ISSN 1869-5469.
- **Associate Editor.** *Frontiers in Artificial Intelligence – Natural Language Processing*. Frontiers Media S.A.
- **Area Editor** (Web Intelligence and E-Services). *International Journal of Computational Intelligence Systems* (IJCIS). Electronic ISSN 1875-6883.
- **Editorial Board Member** [2021–2024]. *Online Social Networks and Media* (OSNEM). Elsevier. ISSN 2468-6964.
- **Guest Editor.** Special Issue on *Information Analysis and Retrieval in Social Media*. Informatics. MDPI. ISSN 2227-9709.
- **Guest Editor.** Special Issue on *Health Misinformation on Social Media*. International Journal of Environmental Research and Public Health. MDPI. ISSN 1660-4601.
- **Co-editor.** Volume: *Modeling Decisions for Artificial Intelligence. 16th International Conference, MDAI 2019, Milan, Italy, September 4–6, 2019, Proceedings*. Lecture Notes in Artificial Intelligence. Vol. 11676. Springer (2019). eBook ISBN: 978-3-030-26773-5. DOI: 10.1007/978-3-030-26773-5. Softcover ISBN: 978-3-030-26772-8.
- **Editorial Advisory Board Member.** Volume: *FinTech as a Disruptive Technology for Financial Institutions*. IGI Global (2019). ISBN: 9781522578055. DOI: 10.4018/978-1-5225-7805-5.
- **Co-editor.** Volume: *The Third International Conference on Advances in Human-Oriented and Personalized Mechanisms, Technologies and Services (CENTRIC 2010), Proceedings*. CPS (Conference Publishing Services)/IEEE Computer Society (2010). ISBN: 978-076954141-9. DOI: 10.1109/CENTRIC.2010.4.
- **Editorial Advisory Board Member.** Volume: *Semantic Knowledge Management: An Ontology-Based Framework*. Information Science Reference, Hershey, New York (2009). ISBN10: 1605660345. DOI: 10.4018/978-1-60566-034-9.

REVIEW ACTIVITIES

- International Conferences
- AAAI 2020–2025; ACL 2023–2025; ACM SAC 2017–2025; CIKM 2024–25; CLEF 2022–2025; COLING 2025; DSAA 2018; ECAI 2023; ECIR 2018–2025; ECML PKDD 2024; eKNOW 2018–2022; FLAIRS 2019-2022; FUZZ-IEEE 2017; GoodIT 2021–2024; HT 2022–2025; ICWSM 2020–2025; IEA/AIE 2017; IJCAI 2018–2020; LREC-COLING 2024; MEDES 2018–2025; SIGIR 2023–2025; SITIS 2017–2018; SUM 2018; TPD 2022; WebSci 2020–2024; WI-IAT 2018–2025.

International Journals – ACM Computing Surveys; AI Communications; Applied Soft Computing Journal; BMC Medical Informatics and Decision Making; Computational and Applied Mathematics; Computers & Security; Cyberpsychology, Behavior, and Social Networking; Distributed and Parallel Databases; Electronic Commerce Research and Applications; Expert Systems; Expert Systems with Applications; Frontiers In Human Neuroscience; Future Generation Computer Systems; IEEE Access; IEEE Journal of Biomedical and Health Informatics; IEEE Transactions on Fuzzy Systems; Information; Information Sciences; Information Processing & Management; International Journal of Computational Intelligence Systems; International Journal of Data Science and Analytics; International Journal of Human-Computer Interaction; International Journal of Medical Informatics; International Journal of Web Engineering and Technology; Journal of Data and Information Quality; Journal of Intelligent and Fuzzy Systems; Knowledge and Information Systems; Machine Learning; Mathematical Biosciences and Engineering; Online Social Networks and Media; PeerJ Computer Science; Security and Privacy; Sensors; Telematics and Informatics; The Lancet Digital Health.

Research Projects – Hrvatska zaklada za znanost (HRZZ) | Croatian Science Foundation.
– Wiener Wissenschafts-, Forschungs- und Technologiefonds (WWTF) | Vienna Science and Technology Fund.

Ph.D. Theses – Alessandro Balestrucci. *Potential Target Audience of Misinformation on Social Media: Credulous Users*. GSSI Gran Sasso Science Institute. L'Aquila, Italy;
– Marcos Fernández-Pichel. *Technologies For Extracting and Analysing the Credibility of Health-Related Online Content*. University of Santiago de Compostela. A Coruña, Spain;
– David La Barbera. *Human-AI Collaboration in Fact-Checking*. University of Udine. Udine, Italy;
– Aleksandra Nabożny. *Credibility Evaluation of Online Health Information using Human in the Loop Machine Learning*. Polish-Japanese Academy of Information Technology. Warszawa, Poland;
– Mihai Horia Popescu. *Automatic Coding of Clinical Documents: Leveraging Symbolic and Sub-Symbolic Approaches for Enhanced Interpretability and Explainability*. University of Udine. Udine, Italy;
– Daniele Spoladore. *A novel and validated agile Ontology Engineering methodology for the development of ontology-based applications*. University of Insubria. Varese, Italy.

PHD SUPERVISION

– Renzo Arturo Alva Principe. *The Problem of Long Document Representation and Processing in the Era of Transformer-Based Large Language Models*. University of Milano-Bicocca, Italy;
– Sondess Missaoui. *Context-Aware Approaches to Mobile Search*. University of Milano-Bicocca, Italy;
– Rishabh Upadhyay. *Addressing the Challenge of Online Health Misinformation: Detection, Retrieval, and Explainability*. University of Milano-Bicocca, Italy;

KEYNOTE SPEECHES,
SEMINARS, AND LECTURES

- **Invited Talk.** *Multidimensional Relevance in Cross-Encoder Re-ranking to Combat Health Misinformation.* TOFFeE: TOOLS for Fighting FakEs. October 15, 2024 / IMT School for Advanced Studies, Lucca (Italy)
- **Lecture.** *Towards a Web of Truth: Meeting the Challenges of Reliable Information Access in the Age of Generative Artificial Intelligence.* IANUA Summer School 2024. July 19-20, 2024 / Dipartimento di Scienze della Formazione (DiSFor), University of Genoa, Genoa (Italy).
- **Invited talk.** *Natural Language Processing Techniques for Psychological Distress Assessment.* Milan Workshop on Computational Methods For Mental Health and Well Being. June 13, 2024 / University of Milano-Bicocca, Milan (Italy).
- **Seminar.** *NLP and Sentiment Analysis.* November 22, 2023 / University of Milan (La Statale), Milan (Italy).
- **Lecture.** *Decoding the Online Truth: Addressing Veracity Challenges in Information Access.* IANUA Summer School 2023. July 13-15, 2023 / Dipartimento di Scienze della Formazione (DiSFor), University of Genoa, Genoa (Italy).
- **Seminar.** *Unraveling Consumer Health Search: Characteristics and Challenges in the Online Landscape.* May 23, 2023 / Institut National des Sciences Appliquées (INSA), Lyon (France).
- **Invited talk.** *Consumer Health Search in the Social Web.* Personalised Services for the Elders. Discussing design options in an interdisciplinary and intercultural way. Villa Vigoni, German-Italian Center for the European Dialogue. Loveno di Menaggio (Como), Italy. November 28th, 2022 – December 2nd, 2022
- **Keynote speech.** *Accessing Credible Information in the Social Web.* September 25, 2020 / CLEF eHealth 2020 – Task 2: Consumer Health Search. Virtual Conference
- **Lecture.** *The Issue of Information Credibility in the Social Web.* September 18, 2019 / International Summer School on Advances in Artificial Intelligence. Lake Como School of Advanced Studies. Villa del Grumello, Como (Italy)
- **Seminar.** *Assessing the Credibility of User-Generated Content in Social Media.* June 6, 2017 / Institut National des Sciences Appliquées (INSA), Lyon (France).
- **Seminar.** *Aggregation Operators for Trust Management in Multi-agent Systems.* November 10, 2011 / Institut National des Sciences Appliquées (INSA), Lyon (France)
- **Seminar.** *Intégration et Interopérabilité dans le partage confidentiel de données dans le cadre de la Simulation en Imagerie Médicale.* 3e journée SIMED-ISLE, Intégration & interopérabilité données/logiciels/calculs, June 10, 2010 / Université de Grenoble, Grenoble (France).

PUBLICATIONS

(Selected) Journal Articles

1. Mancino, Davide, et al. "Striking the Balance: Evaluating Content Quality and Reward Dynamics in Blockchain Online Social Media." *IEEE Access* (2025).
2. Li, Xiancheng, et al. "Understanding the Engagement and Interaction of Superusers and Regular Users in UK Respiratory Online Health Communities: Deep Learning-Based Sentiment Analysis." *Journal of Medical Internet Research* 27 (2025): e56038.
3. Mancino, Davide, Alberto Leporati, Marco Viviani, and Giovanni Denaro. "A Role and Reward Analysis in Off-chain Mechanisms for Executing MEV Strategies in Ethereum Proof-of-Stake". *Distributed Ledger Technologies: Research and Practice* (2024).
4. Upadhyay, Rishabh, et al. "Explainable online health information truthfulness in Consumer Health Search." *Frontiers in Artificial Intelligence* 6 (2023): 1184851.
5. Upadhyay, Rishabh, Gabriella Pasi, and Marco Viviani. "Vec4Cred: a model for health misinformation detection in web pages." *Multimedia Tools and Applications* (2022): 1-20.
6. Di Sotto, Stefano, and Marco Viviani. "Health misinformation detection in the social web: An overview and a data science approach." *International Journal of Environmental Research and Public Health* 19.4 (2022): 2173.
7. Villa, Giacomo, Gabriella Pasi, and Marco Viviani. "Echo chamber detection and analysis. A topology- and content-based approach in the COVID-19 scenario." *Social Network Analysis and Mining* 11.1 (2021): 1-17.
8. Viviani, Marco, et al. "Assessing vulnerability to psychological distress during the COVID-19 pandemic through the analysis of microblogging content." *Future Generation Computer Systems* 125 (2021): 446-459.
9. Pianzola, Federico, Maurizio Toccu, and Marco Viviani. "Readers' engagement through digital social reading on Twitter: the TwLetteratura case study." *Library Hi Tech* (2021).
10. Crocamo, Cristina, et al. "Detecting binge drinking and alcohol-related risky behaviours from Twitter's users: an exploratory content-and topology-based analysis." *International Journal of Environmental Research and Public Health* 17.5 (2020): 1510.
11. Pasi, Gabriella, Marco Viviani, and Alexandre Carton. "A Multi-Criteria Decision Making approach based on the Choquet integral for assessing the credibility of User-Generated Content." *Information Sciences* 503 (2019): 574-588.
12. Missaoui, Sondess, et al. "LOOKER: a mobile, personalized recommender system in the tourism domain based on social media user-generated content." *Personal and Ubiquitous Computing* 23 (2019): 181-197.
13. Boselli, Roberto, et al. "WoLMIS: A labor market intelligence system for classifying web job vacancies." *Journal of Intelligent Information Systems* 51 (2018): 477-502.
14. Viviani, Marco, and Gabriella Pasi. "Credibility in social media: opinions, news, and health information—a survey." *Wiley Interdisciplinary Reviews: Data Mining and Knowledge Discovery* 7.5 (2017): e1209.
15. Viviani, Marco, and Gabriella Pasi. "Quantifier guided aggregation for the veracity assessment of online reviews." *International Journal of Intelligent Systems* 32.5 (2017): 481-501.
16. Marrara, Stefania, Gabriella Pasi, and Marco Viviani. "Aggregation operators in information retrieval." *Fuzzy Sets and Systems* 324 (2017): 3-19.
17. Rashid, Umer, Marco Viviani, and Gabriella Pasi. "A graph-based approach for visualizing and exploring a multimedia search result space." *Information Sciences* 370 (2016): 303-322.
18. Viviani, Marco, Nadia Bennani, and Elöd Egyed-Zsigmond. "G-Profile: a hybrid solution for extended identity management in the field of personalized service provision." *Information Resources Management Journal (IRMJ)* 25.3 (2012): 61-77.
19. Taddesse, Fekade Getahun, et al. "Semantic-based merging of RSS items." *World Wide Web* 13 (2010): 169-207.
20. Ceravolo, Paolo, Ernesto Damiani, and Marco Viviani. "Bottom-up extraction and trust-based refinement of ontology metadata." *IEEE Transactions on Knowledge and Data Engineering* 19.2 (2006): 149-163.

(Selected) Conference Articles

1. Cassani, Luca, Giovanni Livraga, and Marco Viviani. "Assessing document sanitization for controlled information release and retrieval in data marketplaces." *International Conference of the Cross-Language Evaluation Forum for European Languages*. Cham: Springer Nature Switzerland, 2024.
2. Principe, Renzo Arturo Alva, Nicola Chiarini, and Marco Viviani. "An LCF-IDF Document Representation Model Applied to Long Document Classification." *Proceedings of the 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING)*. 2024.
3. Upadhyay, Rishabh, et al. "Beyond Topicality: Including Multidimensional Relevance in Cross-encoder Re-ranking: The Health Misinformation Case Study." *European Conference on Information Retrieval (ECIR)*. Cham: Springer Nature Switzerland, 2024.
4. Banerjee, Somnath, et al. "Summary in Action: A Trade-Off Between Effectiveness and Efficiency in Multidimensional Relevance Estimation." *2023 IEEE International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT)*. IEEE, 2023.
5. Locci, Stefano, et al. "Explainability of the Effects of Non-Perturbative Data Protection in Supervised Classification." *2023 IEEE International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT)*. IEEE, 2023.
6. Upadhyay, Rishabh, Gabriella Pasi, and Marco Viviani. "A Passage Retrieval Transformer-based Re-ranking Model for Truthful Consumer Health Search". *Proceedings of the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML-PKDD)*. 2023.
7. Upadhyay, Rishabh, Gabriella Pasi, and Marco Viviani. "An unsupervised approach to genuine health information retrieval based on scientific evidence." *International Conference on Web Information Systems Engineering (WISE)*. Cham: Springer International Publishing, 2022.
8. Di Sotto, Stefano, and Marco Viviani. "Assessing Health Misinformation in Online Content." *Proceedings of the 37th ACM/SIGAPP Symposium On Applied Computing (SAC)*. 2022.
9. Upadhyay, Rishabh, Gabriella Pasi, and Marco Viviani. "Health Misinformation Detection in Web Content: A Structural-, Content-based, and Context-aware Approach based on Web2Vec." *Proceedings of the ACM International Conference on Information Technology for Social Good (GoodIT)*. 2021.
10. Putri, Divi Galih Prasetyo, Marco Viviani, and Gabriella Pasi. "A multi-task learning model for multidimensional relevance assessment." *Experimental IR Meets Multilinguality, Multimodality, and Interaction: 12th International Conference of the CLEF Association, CLEF 2021, Virtual Event, September 21–24, 2021, Proceedings 12*. Springer International Publishing, 2021.
11. Talarico, Francesco Amedeo Emanuele, and Marco Viviani. "Credible Text Summarization in Social Media." *IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology (WI-IAT)*. 2021.
12. Putri, Divi Galih Prasetyo, Marco Viviani, and Gabriella Pasi. "Social Search and Task-Related Relevance Dimensions in Microblogging Sites." *Proceedings of the International Conference on Social Informatics (SoCIInfo)*. Springer, Cham, 2020.
13. Pasi, Gabriella, Marco De Grandis, and Marco Viviani. "Decision making over multiple criteria to assess news credibility in microblogging sites." *2020 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE)*. IEEE, 2020.
14. De Grandis, Marco, Gabriella Pasi, and Marco Viviani. "Fake news detection in microblogging through quantifier-guided aggregation." *Modeling Decisions for Artificial Intelligence: 16th International Conference (MDAI 2019)*, Milan, Italy, September 4–6, 2019, Proceedings 16. Springer International Publishing, 2019.
15. Livraga, Giovanni, and Marco Viviani. "Data confidentiality and information credibility in on-line ecosystems." *Proceedings of the 11th international conference on management of digital ecosystems (MEDES)*. 2019.
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- Google Scholar: <https://scholar.google.it/citations?hl=en&user=IsT7sxxAAAAJ>
- LinkedIn: <https://www.linkedin.com/in/marco-viviani-b1972043>
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- ResearchGate: <https://www.researchgate.net/profile/Marco-Viviani>
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