

# CURRICULUM VITAE of Federico Cabitza

## PERSONAL INFORMATION

SURNAME	CABITZA
NAME	FEDERICO ANTONIO NICCOLO' AMEDEO
FISCAL CODE	
E-MAIL	

## EXECUTIVE SUMMARY

**Federico Cabitza** is an **Associate Professor** in the Department of Computer Science, Systems and Communication at the University of Milano-Bicocca, a position he has held since 2018, following a period of intense professional activity as an IT consultant in the private sector. At the University, he teaches *Human-Computer Interaction* in the Bachelor's program in Computer Science, and contributes to three Master's programs with courses on *Information Systems*, *Human-AI Interaction*, and *Decision Support Systems* ([see also the section University-level teaching experience in this CV](#)). These programs include: (1) Computer Science, (2) Human-Centered Artificial Intelligence, and (3) Artificial Intelligence for Science and Technology—the latter two delivered through a consortium of universities comprising the University of Milan, the University of Pavia, and the University of Milano-Bicocca.

Since 2016, he has collaborated with several major hospitals in Milan, including the Policlinico of Milan, the IRCCS San Raffaele Hospital, and the IRCCS Ospedale Galeazzi-Sant'Ambrogio, where he currently holds a formal affiliation after serving in several senior research roles ([see also the Professional and Scientific Network section](#)). His research focuses on requirements analysis, the design of decision support systems, and the evaluation of IT usability and socio-technical impacts in healthcare settings, with a particular emphasis on medical AI ([see also the Research Highlights and Scientific Research Output sections](#)).

He has co-chaired international workshops (e.g., on *Data Visualization in Healthcare* and *Knowledge IT Artifacts*), conference tracks (e.g., *Socio-Technical Design* at ECIS), and conference programs (e.g., for the Italian Chapter of AIS and the Healthinf Conference) ([See also the Academic Service section](#)). He has also guest-edited special issues in high-impact journals, including Elsevier's *International Journal of Medical Informatics*, *SAGE's Health Informatics Journal*, *Springer's CSCW Journal*, and *Emerald's Program*.

He previously served as Associate Editor and now holds a permanent position on the **Senior Advisory Board** of the *International Journal of Medical Informatics* (ISSN 1386-5056, Q1, IF 4.1). He is also a member of the editorial boards of *Machine Learning and Knowledge Extraction* (ISSN 2504-4990), the *Journal of Medical Artificial Intelligence* (ISSN 2617-2496), and the *Journal of Cross-disciplinary Research in Computational Law (CRCL)* (ISSN 2736-4321). In addition, he serves on the Scientific Committee of *Mondo Digitale*, the official journal of the Italian Association for Computing (AICA) ([see also the Editorial Roles section in this CV](#)).

He is also a **recognized public figure** in the field of artificial intelligence, listed among the "*500 Italians Who Matter in AI*" by *La Repubblica* (see: [archive link](#)) and, as such, he is frequently invited to provide expert commentary and interviews on topics related to medical informatics—for example, *Medicinae Doctor* magazine featured him in its cover story (see: [archive link](#)). He also actively engages in outreach and dissemination activities targeted at both medical professionals and the wider public, and to this aim he has delivered numerous public lectures and invited seminars for cultural associations ([see Section 'Research Dissemination Activities' of this CV](#)), as well as for public and private sector organizations, including Siemens Italia, Willis Towers Watson Italia, Sudler Hennessey Italia,

VMLY&R Italia, Bayer, Menarini, Bracco, IQVIA, Medtronic, Deloitte Italia, Fastweb, STEP Futurability District, Fiera Milano, VedraI, Istituto Marangoni, Cisco, Sobi, and Diasorin ([see Technology Transfer section](#)).

To date, he has **authored over 350 scientific publications** in international conference proceedings, edited volumes, and peer-reviewed journals, as well as a non-fiction book co-authored with Prof. Luciano Floridi, published by Bompiani (ISBN: 883010938X)([see Scientific Research Output](#)). His current **h-index is 44**, and for four consecutive years he has been included in the **World Ranking of Top 2% Scientists**, as compiled by Stanford University. He is also a member of an academic spin-off, RedOpen srl, focused on data protection and AI impact assessment in high-stakes domains such as law and healthcare.

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## Studies

- On 31/03/2007 he obtained the title of Doctor of Research in Computer Science at the University of Milan-Bicocca (XIX doctoral cycle), grade 'Excellent', with a dissertation presented on 25/01/2007 entitled “Cooperation Through Webs Of Documental Artifacts : A Framework For The Provision Of Awareness Information”, speaker: Prof. Carla Simone.
- On 17/04/2001 he obtained the title of Doctor in Computer Engineering (Specialization in Information Processing Systems - Old Regulation) at the Polytechnic of Milan, final exam taken on 11/04/2001 with a grade of 91/100, with a thesis entitled “Integration with Application of a Reactive Robotic Agent in a Deliberative Dynamic Agency”, supervisor: Prof. Marco Somalvico .
- On 26/07/1993 he obtained his high school diploma in classical studies at the Giovanni Berchet High School in Milan.

## Professional, Entrepreneurial, and Managerial Experience

1. **Partner and Collaborator of Academic Spin-off (since 2019)**  
Partner and collaborator of an academic spin-off, **RedOpen srl**, founded in 2019, operating under ATECO codes 62.10 (*Computer Programming Activities*) and 62.20 (*Computer Consultancy and Computer Facilities Management Activities*). The spin-off, with an average staff of four employees, focuses on the impact assessment of digital systems—particularly artificial intelligence—on data protection and fundamental rights, in accordance with the GDPR and the AI Act.  
See also the Technology Transfer Section of this CV.
2. **Team Coordinator in the IT Sector (2022–2023)**  
Held a first-level managerial position in the commercial sector, where he coordinated a research and development team of four software engineers, overseeing design and prototyping activities.

### 3. **Senior Analyst Consultant at SYSLINE S.p.A. (July 2008 – August 2011)**

Served as a part-time Requirement Engineer and Senior Analyst Consultant at SYSLINE S.p.A. (VAT No. 11130950154), contributing to requirements analysis and software development in several healthcare IT projects, including:

- 1) *Farmasafe* (computerized drug prescription and chemotherapy process management) at Humanitas Clinical Institute, Rozzano
- 2) Computerization of medical device registers in electrophysiology at Humanitas Gavazzeni
- 3) Development of a digital medical record system for the Assisted Reproduction Unit at Humanitas Clinical Institute, Rozzano
- 4) Design and implementation of a risk management system, including adverse event, dispute, and complaint registries, at Humanitas Clinical Institute, Rozzano

4. From 1999 to 2003, Federico Cabitza worked first as a **self-employed IT consultant** (VAT-registered professional), and later as a founding **partner in Svana S.r.l.**, a company active in the fields of IT consultancy, digital services, and audio recording and music production.

### 5. **Head of the MUDI Laboratory (2019 – present)**

Director of the *Modelling Uncertainty, Decisions and Interaction* (MUDI) Laboratory at the Department of Computer Science, Systems and Communication, University of Milano-Bicocca. The lab currently includes 11 members: 3 tenured faculty, 3 research fellows, 4 PhD candidates, and 1 research assistant.

### 6. **Head of the Milan-Bicocca Node of the CINI Lab on Informatics and Society (2021 – present)**

Coordinator of the local node at the University of Milano-Bicocca of the national CINI (Consorzio Interuniversitario Nazionale per l'Informatica) Laboratory on *Informatics and Society*, focusing on the societal and ethical dimensions of digital technologies.

### 7. **Work Package Leader for ARIA Project (2021–2023)**

Served as Work Package Leader for the University of Milano-Bicocca unit in the project *ARIA\_2020\_403* (2021–2023), a pre-commercial procurement initiative aimed at developing advanced imaging and surgical assistance technologies. Project scope included the integration and real-time visualization of surgical information. Budget managed by the unit:

- Phase I: €15,000 (total €177,000)
- Phase II: €27,000 (total €348,000)

### 8. **Principal Investigator of the PRIN PNRR 2022 National Research Project (2023–2026)**

Principal Investigator of the national PRIN PNRR 2022 project *InXAID – Interaction with eXplainable Artificial Intelligence in (medical) Decision Making* (Project code: P2022587XC; IRIS code: 2022-NAZ-0518), funded under the PE domain (*Physical Sciences and Engineering*). Total project duration: 30 months (24+6); Total budget: €271,163; Awarded funding: €191,595. Associated investigator: Prof. Silvana Quaglini, University of Pavia (UNIPV).

## Professional and Scientific Network

1. Throughout his consulting and research activities, Federico Cabitza has established a robust professional network with leading institutions in both the public and private healthcare sectors. He has developed strong professional relationships with several senior executives at some of Italy's most prominent hospitals and clinical research centers, including:

- **IRCCS Istituto Clinico Humanitas Research Hospital** (Rozzano, contact person: Chief IT Officer. Dr. G. Pozza),
- **Ospedale Multimedita IRCCS Sesto San Giovanni** (cp. Scientific Director: Prof. G. Gensini),
- **Ospedale MultiMedica San Giuseppe** (cp.: prof. L. Luzi),
- **IRCCS Policlinico San Donato** (cp. Director, Dr. L. Menicanti),
- **IRCCS Policlinico di Milano Ospedale Maggiore** (cp, Prof. G.E. Tontini)
- **Ospedale dei Bambini Vittore Buzzi** (cp. Director. Dr. C. Cereda),
- **Presidio Ospedaliero Fatebenefratelli** (cp. prof. P. Capaccio),
- **IRCCS Ospedale San Raffaele Milano** (cp. Dr. A. Carobene),
- **Presidio Ospedaliero Gaetano Pini** (cf. Director Prof. P. Randelli), and
- **IRCCS Ospedale Galeazzi-Sant'Ambrogio** (cp. Scientific Director Prof. G. Banfi) in Milan,
- **IRCCS Rizzoli Orthopedic Institute** (cp. Prof. N. Baldini),

- **IRCCS Istituto Auxologico Italiano San Luca** Milan (cp. Scientific Director Prof. G. Parati)
  - **Fondazione Mondino Istituto Neurologico Nazionale IRCCS** of Pavia (cp. Chief Health AI officer Dr E. Parimbelli),
  - **Parkinson Institute of Milan** (cp. director: Prof. I. U. Isaias).
2. In the private sector, he has engaged in strategic collaborations with major healthcare technology and consultancy firms such as **Dedalus, Accenture, Siemens Healthineers, Deloitte Healthcare, and KPMG**. In the life sciences and diagnostics industry, he has established long-term partnerships with global players including **Medtronic, Cerba Healthcare, Sobi, and Diasorin**.
  3. His academic and scientific collaborations include a decade-long partnership with the **San Donato Group** (as documented in a reference letter from Prof. Giuseppe Banfi), as well as more recent but equally substantial relationships with the **Fraunhofer AICOS research center**, and the **Nova Medical School of Lisbon** (see reference letter from Prof. Gamboa), the **Human-Centered AI Lab** at the **Medical University of Graz** (see reference letter from Prof. Andreas Holzinger), and the **BMI Laboratory of Biomedical Informatics “Stefanelli”** at the University of Pavia (directed by Prof. Silvana Quaglini and Prof. Riccardo Bellazzi). The latter collaboration notably led to the successful funding of a national PRIN project on explainable AI in medicine, which ranked third nationally within the ERC PE6 panel (Computer Science and Informatics), of which Federico Cabitza is the Principal Investigator.
  4. He is also actively involved in expert working groups and collaborative initiatives within key professional societies and federations, including the **ISIS** (Associazione Italiana Sistemi Informativi in Sanità; contact person: President Dr. A. Ronchi), the **European Federation of Clinical Chemistry and Laboratory Medicine (EFML)**, the **Italian Society of Clinical Biochemistry and Molecular Biology (SIBIOC)**, and the **Italian Society of Internal Medicine (SIMI)**.
  5. He participated in the study group coordinated by **FNOMCeO** (National Federation of the Orders of Surgeons and Dentists) responsible for revising Article 78 of the Code of Medical Ethics concerning the use of information technologies in clinical practice.
  6. Furthermore, as a representative of the **CEI** (Italian Electrotechnical Committee), he contributed to the work of the technical body **CEI EN IEC CT 62 – Equipment, Software and Systems for Medical Use** from 2022 to 2024. Since 2024, he has also been involved in the activities of the international technical committee **ISO/IEC JTC 1/SC 42**, which is responsible for the global standardisation of Artificial Intelligence worldwide.

## Research highlights

Federico Cabitza’s main contributions to the medical AI literature span theoretical, methodological, and empirical domains. Theoretically, he has introduced novel metrics; methodologically, he has proposed AI system design and evaluation guidelines; and empirically, he has conducted user studies to apply and validate these guidelines and metrics in real-world settings. In particular, Cabitza and his research group have developed and refined metrics that advance the current state of the art by assessing the **reliability of training data**, the **calibration** of classifiers (e.g., diagnostic decision support systems), and the **robustness** and **clinical utility** of AI systems. They have also proposed metrics for evaluating the **degree of appropriate reliance** on such systems. These contributions have been made openly available to the research community through open code repositories (see <https://mudilab.disco.unimib.it/software/>) and free and user-friendly online tools (see [www.entechne.com/metimeter](http://www.entechne.com/metimeter)). Lastly, Federico Cabitza’s ethical focus on the potential consequences and adverse impacts of AI systems in clinical practice and healthcare has led to a seminal and widely cited contribution published in *JAMA* in 2017, as well as to the most recent—and to date, the only—systematic review addressing AI-induced deskilling in medicine.

## Selected Publications Relevant to the Research Center’s Strategic Focus

### 1. *ICT and AI Tools for Prevention and Well-being*

- 1) Cabitza, F. (2013). An information reliability index as a simple consumer-oriented indication of quality of medical web sites. In *Quality issues in the management of web information* (pp. 159-177). Berlin, Heidelberg: Springer Berlin Heidelberg. This article focuses on an ICT tool designed to help the public find

reliable medical information, empowering them to make better health decisions and engage in preventive self-care.

- 2) Cabitza, F., Del Zotti, F., & Misericordia, P. (2014, March). Electronic Records for General Practice-Where we are, where we should head to improve them. In International Conference on Health Informatics (Vol. 2, pp. 535-542). SciTePress. This study outlines how enhanced electronic records in primary care can support proactive risk screening, automated reminders, and early interventions, to strengthen the ICT foundation for preventive care and overall population well-being
- 3) Cabitza, F., Simone, C., & De Michelis, G. (2015). User-driven prioritization of features for a prospective InterPersonal Health Record: perceptions from the Italian context. *Computers in biology and medicine*, 59, 202-210. This study shows how user-prioritised features in an InterPersonal Health Record can empower individuals to monitor their own health, receive targeted alerts, and engage in proactive self-management—core functions that underpin preventive care and overall well-being
- 4) Cabitza, F., Locoro, A., Fogli, D., & Giacomini, M. (2016). Valuable visualization of healthcare information: From the quantified self data to conversations. In *Proceedings of the International Working Conference on Advanced Visual Interfaces* (pp. 376-380). This addresses visual analytics of quantified-self data, aimed at self-awareness and preventive lifestyle management;
- 5) Scardoni, A., Balzarini, F., Signorelli, C., Cabitza, F., & Odone, A. (2020). Artificial intelligence-based tools to control healthcare associated infections: a systematic review of the literature. *Journal of infection and public health*, 13(8), 1061–1077. This is a systematic review that directly addresses the use of AI to prevent and control infections in healthcare settings, a key aspect of public health and safety.
- 6) Branda, F., Stella, M., Ceccarelli, C., Cabitza, F., Ceccarelli, G., Maruotti, A., ... & Scarpa, F. (2025). The Role of AI-Based Chatbots in Public Health Emergencies: A Narrative Review. *Future Internet*, 17(4), 145. This review covers AI-driven chatbots—an ICT modality that delivers real-time, preventive health guidance at population scale during public-health emergencies.

## 2. ICT and AI Tools for Chronic Disease Management

1. Cabitza, F., Simone, C., & De Michelis, G. (2015). User-driven prioritization of features for a prospective InterPersonal Health Record: perceptions from the Italian context. *Computers in biology and medicine*, 59, 202-210. *This study demonstrates that patient-driven feature prioritisation in an InterPersonal Health Record enables longitudinal tracking, personalised alerts, and seamless data sharing—all critical capabilities for effective self-management of chronic diseases.*
2. Cabitza, F., Locoro, A., & Banfi, G. (2018). Machine learning in orthopedics: a literature review. *Frontiers in bioengineering and biotechnology*, 6, 75. *This review explores the use of machine learning in orthopedics, a specialty that frequently deals with the long-term management of chronic musculoskeletal conditions and degenerative diseases.*
3. Cabitza, F., Dui, L. G., & Banfi, G. (2019). PROs in the wild: Assessing the validity of patient reported outcomes in an electronic registry. *Computer methods and programs in biomedicine*, 181, 104837. *This paper connects a key component of chronic disease management (Patient-Reported Outcomes) with a core ICT tool (an electronic registry), examining the validity of the data collected.*
4. Piras, E. M., Cabitza, F., Lewkowicz, M., & Bannon, L. (2019). Personal health records and patient-oriented infrastructures: Building technology, shaping (new) patients, and healthcare practitioners. *Computer Supported Cooperative Work (CSCW)*, 28(6), 1001-1009. *This article focuses on Personal Health Records as the core ICT instrument for long-term disease self-management.*
5. Balsano, C., Burra, P., Duvoux, C., Alisi, A., Piscaglia, F., Gerussi, A., ... & Donatelli, P. (2023). Artificial Intelligence and liver: Opportunities and barriers. *Digestive and Liver Disease*, 55(11), 1455-1461. *This is a comprehensive review of AI support systems for chronic liver disorders in a impactful journal focusing on liver diseases.*

6. Campagner, A., Marconi, L., Bianchi, E., Arosio, B., Rossi, P., Annoni, G., ... & Cabitza, F. (2025). Uncovering hidden subtypes in dementia: An unsupervised machine learning approach to dementia diagnosis and personalization of care. *Journal of Biomedical Informatics*, 165, 104799. *This study proposes a novel ML-driven stratification of dementia patients that directly informs tailored management of a chronic neuro-degenerative disease.*

## Curated selection of the most recent and relevant contributions

1. Natali, C., Marconi, L., Dias Duran, L. D., Miglioretti, M., & Cabitza, F. (2025). AI-Induced Deskilling in Medicine: A Mixed Method Literature Review for Setting a New Research Agenda. *Artificial Intelligence Review*  
*This is the first systematic review to address a growing concern in the AI field: the negative impact of artificial intelligence systems on human learning, sense of agency, and skill retention, including the potential for cognitive offloading and degradation of expertise.*
2. Campagner, A., Biganzoli, E. M., Balsano, C., Cereda, C., & Cabitza, F. (2025). Modeling Unknowns: A Vision for Uncertainty-Aware Machine Learning in Healthcare. *International Journal of Medical Informatics*, 106014.  
*This article outlines a vision for integrating uncertainty modeling into healthcare AI, stressing the epistemic and practical need to handle unknowns transparently. It marks a pivotal call to evolve from deterministic to uncertainty-aware systems, aligning machine learning development with clinical reasoning under uncertainty.*
3. Cabitza, F., Natali, C., Famiglini, L., Campagner, A., Caccavella, V., & Gallazzi, E. (2024). Never tell me the odds: Investigating pro-hoc explanations in medical decision making. *Artificial intelligence in medicine*, 150, 102819.  
*This article discusses how physicians interpret and trust pro-hoc explanations—to avoid explanations that are plausible but potentially misleading. It provides new empirical evidence that AI explanations can reinforce existing biases, making it a key contribution to the design of trustworthy medical AI interfaces.*
4. Famiglini, L., Campagner, A., & Cabitza, F. (2023). Towards a rigorous calibration assessment framework: advancements in metrics, methods, and use. In *ECAI 2023* (pp. 645-652). IOS Press.  
*This article proposes a novel metric to assess the calibration of classification AI systems—that is, their ability to generate probability estimates that accurately reflect the likelihood of correct predictions. Such a metric is essential for evaluating the trustworthiness of AI outputs and guiding their appropriate integration into decision-making workflows.*
5. Cabitza, F., Campagner, A., Ronzio, L., Cameli, M., Mandoli, G. E., Pastore, M. C., ... & Gamboa, H. (2023). Rams, hounds and white boxes: Investigating human–AI collaboration protocols in medical diagnosis. *Artificial Intelligence in Medicine*, 138, 102506.  
*This article reports on experimental investigations of different human-AI interaction patterns in clinical diagnosis. By naming and comparing distinct collaboration protocols, it offers practical design insights into optimizing decision support systems and improving diagnostic workflows.*
6. Cabitza, F., Campagner, A., Angius, R., Natali, C., & Reverberi, C. (2023, April). AI shall have no dominion: on how to measure technology dominance in AI-supported human decision-making. In *Proceedings of the 2023 CHI conference on human factors in computing systems* (pp. 1-20).  
*This article outlines a novel metric to quantify “technology dominance” in decision-making. It advances the field by operationalizing a key concept from HCI and decision theory, enabling future studies to measure how much humans defer to AI, particularly in high-stakes settings.*
7. Cabitza, F., Campagner, A., & Basile, V. (2023, June). Toward a perspectivist turn in ground truthing for predictive computing. In *Proceedings of the AAAI Conference on Artificial Intelligence* (Vol. 37, No. 6, pp. 6860-6868).  
*This article discusses the limitations of assuming a single ground truth in medical AI evaluation. It introduces a perspectivist framework that accounts for variability in expert judgment, thus challenging conventional validation metrics and offering a novel epistemological stance for AI in healthcare.*

8. Campagner, A., Sternini, F., & Cabitza, F. (2022). Decisions are not all equal—Introducing a utility metric based on case-wise raters' perceptions. *Computer Methods and Programs in Biomedicine*, 221, 106930.  
*This article introduces a novel, human-centred utility metric (wU) for evaluating AI systems, grounded in annotators' perceived case difficulty and hesitation. It significantly improves upon traditional performance metrics by incorporating contextual relevance and decision complexity, advancing the evaluation and optimization of AI models in high-stakes, real-world settings like healthcare.*
9. Cabitza, F., & Campagner, A. (2021). The need to separate the wheat from the chaff in medical informatics: Introducing a comprehensive checklist for the (self)-assessment of medical AI studies. *International Journal of Medical Informatics*, 153, 104510.  
*This article discusses the need for methodological rigor in evaluating AI studies by proposing a comprehensive self-assessment checklist. It is widely cited and fills a practical gap by guiding researchers in distinguishing robust medical AI contributions from less reliable ones.*
10. F Cabitza, A Campagner, LM Sconfienza (2021) Studying human-AI collaboration protocols: the case of the Kasparov's law in radiological double reading. *Health Information Science and Systems* 9 (1), 1-20F  
*This article outlines an innovative empirical application of "Kasparov's law" in radiology, showing how human-AI collaboration can outperform either alone. It is one of the first to systematize collaboration protocols in diagnostic imaging with quantifiable outcomes.*
11. Cabitza, F., Campagner, A., Soares, F., de Guadiana-Romualdo, L. G., Challa, F., Sulejmani, A., ... & Carobene, A. (2021). The importance of being external. methodological insights for the external validation of machine learning models in medicine. *Computer methods and programs in biomedicine*, 208, 106288.  
*This article discusses how to design external validation studies that truly test generalizability. It introduces key methodological distinctions and practical recommendations that have since been widely adopted in medical AI validation workflows.*
12. Cabitza, F., Campagner, A., & Sconfienza, L. M. (2020). As if sand were stone. New concepts and metrics to probe the ground on which to build trustable AI. *BMC Medical Informatics and Decision Making*, 20(1), 1-21.  
*This article discusses the fragility of trust in AI by proposing new metrics that capture the reliability of model foundations. It is notable for highlighting often-overlooked threats to AI adoption in medicine.*
13. Cabitza, F., Campagner, A., Albano, D., Aliprandi, A., Bruno, A., Chianca, V., ... & Sconfienza, L. M. (2020). The elephant in the machine: Proposing a new metric of data reliability and its application to a medical case to assess classification reliability. *Applied Sciences*, 10(11), 4014.  
*This article reports on a new reliability metric designed to assess the consistency of data labeling in multi-rater settings. It is significant for addressing a key and oft-neglected source of AI performance variance in clinical data.*
14. Cabitza, F., & Zeitoun, J. D. (2019). The proof of the pudding: in praise of a culture of real-world validation for medical artificial intelligence. *Annals of translational medicine*, 7(8), 161.  
*This article outlines the importance of real-world testing for AI tools, warning against overreliance on internal validation. Its early advocacy for pragmatic evaluation made it an influential piece in translational medical AI discourse.*
15. Cabitza, F., Rasoini, R., & Gensini, G. F. (2017). Unintended consequences of machine learning in medicine. *Jama*, 318(6), 517-518.  
*This article discusses potential risks of AI in medicine, such as deskilling and overreliance, in a widely cited JAMA viewpoint. It was among the first to articulate sociotechnical concerns that are now central to discussions of responsible AI.*

# Scientific Research Output

Period of activity: 2005-2025 (present)

## Citation Metrics

- Google Scholar : **8410** for **376** documents
- Scopus: **5008** , for **271** documents
- Scopus (without self- citations ): **4244**

## H-index

- Google Scholar: **44** (i10-index: **142**)
- Scopus: **34**

## Publication Types (DBLP Classification)

- Journal articles: **67**
- Conference or workshop papers: **115**
- book chapters: **3**
- Other publications: **15**
- Roles as editor or curator: **5**

## Collaboration Index

**22.0 %** ( Percentage of papers written in collaboration with researchers from other countries/regions)

## Books and treatises of recognized prestige

Floridi, L., & Cabitza, F. (2021). *Artificial Intelligence: The Use of New Machines* . Bompiani.

## Competitions

- On 08/05/2018 he was selected through a competitive evaluation procedure based on qualifications for a position as associate professor of the scientific disciplinary sector INF/01 - Computer Science, at the Faculty of Mathematical Sciences of the University of Milan-Bicocca.
- On 15/07/2011 he was selected through a competitive evaluation procedure based on qualifications and an exam for a university researcher position in the scientific disciplinary sector INF/01 - Computer Science, at the Faculty of Mathematical Sciences of the University of Milan-Bicocca.
- On 14/01/2011 he was declared the winner of a public competition, based on qualifications and exams, for the awarding of a research grant for the scientific-disciplinary area of Computer Sciences for a duration of 12 months (competition announcement no. 11A023) announced with DR no.: 0031114 of 13/12/2010 in the scientific-disciplinary area of Computer Sciences (INF/01) on the research topic "Collaboration and Management of Document-Mediated Knowledge".
- On 05/12/2006 he was declared the winner of a public competition, based on qualifications and exams, for the awarding of a renewable two-year research grant for the scientific-disciplinary area of Computer Science (competition announcement DR n.015222 – topic “Development of support systems for collaboration mediated by artefacts in distributed physical contexts”).
- In November 2003 he won a three-year ministerial scholarship to participate in the 19th cycle of the PhD course in Computer Science, at the Department of Computer Science, Systems and Communication ( DISCo ) of the University of Milan-Bicocca.
- In 1993 he won the national selections for the European Community Contest for Young Scientists (5th European Community Contest for Young Scientists) organized by FAST (Federation of Scientific and Technical

Associations) and represented Italy at the finals of the competition held in September of the same year in Berlin.

## Qualifications obtained

- First tier Sector 01/B1 - IT, valid from 07/21/2023 to 07/21/2035.
- Second tier Sector 01/B1 – IT, valid from 10/04/2017 to 10/04/2029
- Second tier 09/H1 - INFORMATION PROCESSING SYSTEMS valid from 04/04/2017 to 04/04/2029

## Coordination and participation in research groups

1. Since December 2019, **head of the Laboratory “ Modelling Uncertainty , Decisions and Interaction” (MUDI) at the Department of Computer Science, Systems and Communication, University of Milan-Bicocca**, a laboratory that hosted 9 PhD Students, 2 research fellows, 2 RtDa , 3 permanent staff (2 PA and 1 PO) and several collaborators. See <https://mudilab.disco.unimib.it/>
2. Since 2022, **co-Director of the Medical Artificial Intelligence Laboratory at the IRCCS Ospedale Galeazzi-Sant'Ambrogio in Milan**, an institute with which I have collaborated on the scientific management staff since 2015 and with which I have had a formal affiliation since 2017.
3. Collaborator in the national research project “ Itsociety : a platform based on the itsme concept for social computing” funded by the Lombardy Region (POR FESR 2007-2013 - axis 1 - intervention line 1.1.1.1 - action a, CUP: E47110000230007), coordinator Prof. Giorgio De Michelis. Period: from October 2009 to April 2011
4. Collaborator in the national project " Aop UnoLombardia : The Advanced Primary", project funded under the PSR Lombardy Region - 2009-11, Joint Project Measure 124. Funded by the EAFRD under Measure 124 of the Rural Development Programme 2007-2013, funding body Lombardy Region (responsible: Prof. Dario Gianfranco Friso). Period: from 12-2009 to 06-2011
5. Researcher involved in the activities of the Applied Biomechanics Laboratory of the Department of Biomedical Sciences for Health at the University of Milan, headed by Professor Pietro Randelli, as attested by the attached documentation. Period: 2010 to present
6. Collaborator in the national project "Integrated Technologies for the Documentation and Enhancement of Lombard Cultural Heritage" (TIVAL) ( Ref. ID : 17363-MAN-13, Practice ID: 2009-NAZ-0177) on the case study of the Certosa di Pavia (collaborative project between the University of Milan, the University of Milan-Bicocca, and the University of Pavia). Period: December 2010 to December 2012
7. Collaborator on the project "DORF-NET - from information to collaboration between supply chains belonging to the Fruit and Vegetable District," a national project funded under the Lombardy Region Rural Development Plan 2007-13 - Joint Project Measure 124, Practice ID 2012-NAZ-0019 (director: Prof. Andrea Maurino). Period: August 2012 - February 2014
8. Collaborator in the current research project of the IRCCS Istituto Ortopedico Galeazzi n. 2624923 (of the "clinical-epidemiological observational type, headed by Dr. Pedro Berjano ) entitled "Galeazzi Spine Registry " for the creation of a computerized registry containing objective and subjective clinical data and radiological images. Period: 2015
9. Participation in the activities of research groups under the Scientific Direction of the IRCCS Ospedale Galeazzi - Sant'Ambrogio in Milan (formerly IRCCS Istituto Ortopedico Galeazzi in Milan), as certified by the attached declaration signed by the Director, Prof. Giuseppe Banfi.
10. **Project manager for an** 18-month project funded by the Lombardy Region: "Human data Interaction in Lombardy: Development of interactive visualization services for the public and administrators" (D IRIS: 2016-NAZ-0136). Period: 2016-2017

11. **Project manager for a** 12-month project funded by the Lombardy Region: "The Social Value of Open Data" (IRIS ID: 2016-NAZ-0139, CUP: H42F16001420002), a project approved for funding of approximately €41,000. Period: 2016-2017
12. Bicocca Unit Manager for the project "VISORA - Augmented Reality in the Operating Room" (Internal ID: 2021-ECO-0065) funded by ARIA, Regional Agency for Innovation and Procurement of the Lombardy Region ARIA\_2020\_403 through a pre-commercial tender for Research and Development services functional to the technological development of imaging in surgical assistance and support systems for the creation of a solution that integrates and allows the visualization of all useful information during a specific surgical procedure. Period: 2021-2023
13. Collaborator PRIN project "Modelling effectiveness, cost-effectiveness and promoting health care value in the real world. The Motive project" (cod. 2017-NAZ-0419) resp.: Prof. Giovanni Corrao, period 2017-2023
14. **Work Package Manager** in the AMAR cascade call of the Spoke 4 Adaptive AI project FAIR – Future Artificial Intelligence Research National Recovery and Resilience Plan (PNRR), CUP: D53C 22002380006, period: 2024-2025
15. **Work Package Manager** in the project "European Union through FRRB - JTC 2022 - " MG- PerMed " - CUP H45E23000000006", period: 2024-2025
16. Collaborator in the MUSA ( Multilayered Urban Sustainability Action) project, an Innovation Ecosystem funded by the Ministry of University and Research as part of the National Recovery and Resilience Plan, period: 2023-2025
17. Member of the Artificial Intelligence Working Group of the European Federation of Clinical Chemistry and Laboratory Medicine (EFLM), see attached
18. **Principal Investigator (Project Manager) PRIN PNRR 2022: RESEARCH PROJECTS OF RELEVANT NATIONAL INTEREST – Call 2022 PNRR, project code: P2022587XC, (IRIS code 2022-NAZ-0518) InXAID - Interaction with eXplainable Artificial Intelligence in ( medical ) Decision making. (24+6 months) activated in the PE - Physical Sciences and Engineering ( associated investigator Prof. Silvana Quaglini , UNIPV), total project cost: 271,163.00 , funding 191,595.00 euros), period: 2024-2026**

## Academic Representative Roles

- 1) Since July 2024, **member of the technical coordination committee** of the University of Milan-Bicocca for the UNIMIB-AGID framework agreement (protocol 0339785 of 25/07/2024) on Artificial Intelligence. Term: 2024–present
- 2) Since October 2021, **elected member of the Board** of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca (position renewed for the three-year period 2024-27); period: 2021 – present
- 3) From January 2022 to October 2024 , **representative** of the Department of Computer Science, Systems and Communications of the University of Milan-Bicocca at the CEI (Italian Electrotechnical Committee) and member of the technical body CT 62 - Equipment, software and systems for medical use. Term: 2022-2024
- 4) Since July 2024, **representative** of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca within the Scientific Committee of the Interdepartmental Research Center "Digital Transformation and Wellbeing Lab" ( DiTWel ) of the University of Milan-Bicocca. Director: Prof. M. Gui. Period: 2024 - present
- 5) Since November 2024, **representative** of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca at the CEI (Italian Electrotechnical Committee) and of this Italian representative at the ISO/IEC JTC 1/SC 42 - Artificial intelligence (main international AI standardization body); period: 2024 - present
- 6) From September 2024, **representative** of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca appointed to the Scientific Committee of the

Interdepartmental Research Center Bicocca Research Centre in Health Services – BReCHS , of the University of Milan-Bicocca, director Prof. G. Vittadini. Period: 2024 - present

7) Since May 2024 , **founding member** of the Scientific Council ("councilor") and since February 2024 designated **representative** of the University of Milan-Bicocca (prot. 181128), of the Interuniversity Center for Clinical Research, dir. Prof. L. Moja. Link: <http://ricercaclinica.unimi.it/centro-interuniversitario-ricerca-clinica-presentazione/> (Archive: <https://archive.is/wip/8pzE5>). Period: 2024 - present

8) Since September 2021, Bicocca **local node coordinator** of the CINI ( National Inter-University Consortium for Informatics) National Laboratory Informatics and Society, directed by Prof. V. Schiaffonati . Period: 2021 – present

## Academic Responsibility Roles

### PhD Supervision

1. Supervisor of 1 PhD scholarship in high apprenticeship (XXXIV cycle) funded by K-TREE Srl Via Spreafico n. 3 - 20090 MONZA (MB) - VAT number 09143620962), years 2018-2019, candidate: Dr. Michela Assale
2. Supervisor of 1 executive doctorate scholarship (XXXIV cycle) for an employee of K-TREE Srl Via Spreafico n. 3 - 20090 MONZA (MB) - VAT number 09143620962), years 2018-2019, candidate: Dr. Eng. Andrea Cina
3. Supervisor of 1 PhD scholarship in high apprenticeship XXXIV cycle funded by Link Up srl Via privata Cascia 6 20128 Milan VAT number 09920180966, years 2018-2019, candidate: Dr. Andrea Campagner
4. Co-supervisor of 1 ministerial doctoral scholarship, XXXV cycle, years 2019-2022, candidate: Dr. Andrea Campagner
5. Co-supervisor of 1 ministerial doctoral scholarship, XXXVII cycle, years 2021-2024, candidate: Dr. Lorenzo Famigliani
6. Supervisor of 1 doctorate without scholarship, XXXVIII cycle, years 2022-2025, candidate: Dr. Chiara Natali
7. Supervisor of 1 PhD scholarship funded by the PRIN 2022 PNRR InXAIId project , years 2023-2026, candidate: Dr. Caterina Fregosi
8. Supervisor of 1 PhD scholarship funded by the AMAR cascade call of the Spoke 4 Adaptive AI project FAIR – Future Artificial Intelligence Research National Recovery and Resilience Plan (PNRR), years 2024-2027, candidate : Dr. Alessia Papale
9. Supervisor (2024) and then Co-supervisor (2025) of 1 grant in agreement with Fastweb SpA VAT number 12878470157, years 2024-2027, candidate: Dr. Gloria Lopiano

### Supervision of Type A Grants

- Project “Interaction Quality and Explanation Efficacy Tool for Conversational Agents in Heterogeneous Domains: a theoretical, methodological and experimental study ” Research Fellow : Dr. Ing. Luca Marconi, period 2024-2026

### Supervision of Type B Grants

1. Project: ICT Support for the Community (code: 2016-CONT-0305), grant holder: Dr. Angela Locoro , years 2015-2016
2. Project: Human data Interaction in Lombardy: Development of interactive visualization services for the public and the administrator (code: 2016-NAZ-0136), grant holder: Dr. Angela Locoro , year 2017

3. PNRR PRIN 2022 Project, InXAI Research in the field of Interaction with explainable artificial intelligence in medical decision-making (code: 2022-NAZ-0518/PER), grant holder: Dr. Vicente Lucia, years 2024 -2025

## Supervision of Scholarships

1. Project: 2016-NAZ- 0139, The social value of open data, candidate: Marica Limongelli, period: 15/07/2017 - 14/11/2017
2. Project: 2016-NAZ- 0139, The social value of open data, candidate: Laura Dessì, period: 15/07/2017 - 14/11/2017
3. Project: 2016-NAZ-0139, The social value of open data, candidate: Norma Cocito, period: 01/09/2017 - 31/12/2017
4. Project: 2016-CONT-0305, Candidate: Angela Locoro , Period: March 15, 2018 - July 14, 2018
5. Project: 2019-ECO-0061, Development of tools for analysis, visualization, and prediction of clinical biomedical data, candidate: Andrea Seveso, period: 01/06/2019 - 31/01/2020
6. project: 2022-NOECO-0040 Scientific collaboration for the implementation of the Datalake Project , Analysis and prototype development of an algorithmic risk assessment tool, to be applied to the domains of medicine and law (justice)”, candidate: Angius Riccardo, period: 01/07/2022 - 31/10/2022
7. project: 2016-CONT-0305/PER, Study of the phenomenon of technological dominance ( automation bias ) in legally relevant decision-making contexts, candidate: Natali Chiara, period: 12/15/2022 - 12/14/2023
8. project: 2023-INTERNAZ-0001/PER - Personalizing myasthenia gravis medicine: from “one- fits - all ” to patient - specific Immunosuppression , Development and analysis of computational models for the identification of personalized therapeutic treatments for myasthenia gravis, candidate: Pirovano Efrem, period: 01/02/2025 - 30/01/2026

## Supervision of research assignments

1. Project: 2016-NAZ-0139, Feasibility analysis of the integration of high value-added services into the Lombardy Region's Open Data platform, candidate: Concencao Arlindo , period: 07/15/2017 - 09/14/2017
2. Project: 2016-NAZ-0139, Development of an interactive and infographic dashboard to evaluate engagement with open data in the Lombardy Region, candidate: Matteo Azzi, period: 15/07/2017 - 14/10/2017
3. Project: 2016-NAZ-0139, Development of an interactive and infographic dashboard for evaluating the social value of open data in the Lombardy Region, candidate: Giorgio Uberto Uboldi, period: 15/07/2017 - 14/10/2017
4. Project: 2016-NAZ-0139, The Social Value of Open Data, Candidate: Pietro Mattia Campi, Period: 10/01/2017 - 12/31/2017
5. Project: 2016-NAZ-0139, The Social Value of Open Data, Candidate: Anna Zanetti, Period: November 15, 2017 - December 31, 2017
6. Project: 2016-CONT-0305, generic project, candidate: Claudio Antonelli, period: 15/09/2018 - 30/09/2018
7. Project: 2016-CONT-0305, generic project, candidate: desert, period: 15/09/2018 - 14/11/2018
8. Project: 2016-CONT-0305, Data Quality Analysis in Machine Learning Processes in the Medical Field, Candidate: Campagner Andrea, Period: 19/07/2019 - 18/09/2019
9. Project: 2016-CONT-0305/PER, Evaluation of the user experience of using innovative technologies in training and clinical decision-making contexts, candidate: Viganò Sophia, period: 2 months in 2024
10. Project: 2016-CONT-0305/PER, Evaluation of the user experience of using innovative technologies in healthcare communication contexts, candidate: Papale Alessia, period: 2 months in 2024

# Technology Transfer, Dissemination and Societal Impact Activities

## Innovative spin-offs and start-ups

1. Founding member of the Innovative and Academic Start-up VISEMIO SRL" (VIA BINELLA 23 - 20092 CINISELLO BALSAMO (MI )) VAT number: 09845170969, Fiscal Code: 09845170969 from 25-01-2017 to 15-12-2020
2. Founding Partner of the Innovative and Academic Start-up "EDUCATIONAL FACTORY SRL" (VIA GIACOMO MATTEOTTI 62 - 20092 - CINISELLO BALSAMO (MI )) , VAT No. IT09824070966.
3. **Founding member, member of the scientific committee and scientific director of the university spin-off and innovative start-up RED OPEN srl , (VIA DELLA MAGGIOLINA 24, Milan), VAT number 10637990960, founded in 2019 (ATECO NACE code 2.1 62.10 - Computer programming activities, Employees as of 12/31/2024: 4, Capital partners 5, Turnover 2023: € 252,548.00**

## Commercial collaborations on behalf of DISCo

1. Development of predictive models for the analysis of outcomes of orthopedic surgery and related support for medical decisions in diagnostic, prognostic, and therapeutic settings. ( code : 2018-CONV25-0001), client: OSPEDALE GALEAZZI SPA, period: 2018
2. Development of predictive models for analyzing the outcomes of orthopedic surgery and supporting medical decision-making in diagnostic, prognostic, and therapeutic settings. (Code: 2017-CONV25-0063), client : OSPEDALE GALEAZZI SPA, period : 2017
3. Medical informatics for the evaluation of the outcome of surgical interventions in the orthopedic field ( code : 2016-CONV25-0040), client: OSPEDALE GALEAZZI SPA, period: 2016

## Procurement Contracts

Pre -commercial procurement for research and development services functional to the technological development of imaging in surgical assistance and support systems ( code : 2021-ECO-0065), clients: AZIENDA REGIONALE PER L'INNOVAZIONE E GLI ACQUISTI SPA, ARTINESS SR, period: 2021

## Agreements and Memoranda of Understanding (MoUs)

1. Framework agreement for scientific collaboration on operational projects in various fields of action relating to Artificial Intelligence technologies (code: 2024-NOECO- 0107) , client: AGID - AGENCY FOR DIGITAL ITALY, period: 2024 (active)
2. Framework Agreement with IRCCS Galeazzi for the establishment of a joint platform (code: 2020-NOECO-0107), client: OSPEDALE GALEAZZI SPA, period: 2020 (active)

## Consultancy Contracts

1. "Analysis and development of predictive models for the assessment of the biological age of human subjects from blood chemistry and clinical data" ( code : 2021-ECO-0064), client: MEDICONCIERGE SRL, period: 2021
2. Definition and analysis of data collected from professional communities in the bakery sector ( code : 2019-ECO-0157), client: FOOD EDUCATION ITALY SRL, period: 2019
3. Data quality assessment and development of predictive models using machine learning techniques ( code : 2019-ECO-0156), client: OSPEDALE GALEAZZI SPA, period: 2019
4. Analysis, Design and Evaluation of Functionalities to Support Clinical Research and Medical Decision Making in Electronic Specialty Registers ( code : 2019-ECO-0127), Client: DELOITTE CONSULTING SRL, Period: 2019

5. Analysis of the Quality of Electronic Register Data and Prioritization of Monitoring and Continuous Improvement Interventions ( code : 2018-COMM25-0001), client: OSPEDALE GALEAZZI SPA, period: 2018

## Research Contracts

1. Development of statistical-visual and interactive reports from pediatric register data ( code : 2019-ECO-0061), client: LINK UP by FRONTINI MARCO, period: 2019
2. Design of an operating system for a new Personal Computer, called itsme . ( code : 2009-COMM-0082), client: ITSME SRL, period: 2009

## Research Dissemination Activities

1. organization for Milan Digital Week 2021, title: From the Turing Test to the Lovelace Test: Artificial Creatives and Us; Link: <https://www.disco.unimib.it/it/eventi/milano-digital-week-dal-test-turing-al-test-lovelace-creativi-artificiali-e-noi> (Archive: <https://archive.is/wip/AbtLF>); Date: March 18, 2021
2. Role supporting the Principal Investigator of the project “ Regains : reducing the gap between artificial intelligence and society”, MIUR Departments of Excellence Project 2023-2027 assigned to the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca, on aspects of human-computer interaction and medical informatics; period 2023-2027.
3. The ABC of Artificial Intelligence, a project organized by AIDDA (Association of Women Entrepreneurs and Business Managers) and supported by the Department of Economics and Business Sciences and Economic Law of the University of Milan-Bicocca, running until 2024.

## Public presentations of particular relevance

1. Event: Milan Design Week; Organizer: Brera Design Days; Location: Mediateca Santa Teresa, Via della Moscova 28, Milan; Date: October 1, 2016
2. Event: Festival Futuro 2017; Organizer: Altroconsumo; Location: Unicredit Pavillon ; Date: November 4, 2017
3. Event: 4Words – The Words of Innovation in Healthcare; Organizer: Il Pensiero Scientifico; Location: Fontana di Trevi Conference Center, Rome; Date: January 25, 2018
4. Event: Suzzara Science Festival 2018; Organizer: Municipality of Suzzara; Location: Piazzalunga; Date: November 20, 2018
5. Event: Science Fridays; Organizer: Municipality of Ferno and ADAA Association; Location: Fermo; Date: June 1, 2019
6. Event: Modena Smart Life 2019; Organizer: Municipality of Modena; Location: Delfini Library, Corso Canalgrande 103, Modena; Date: September 28, 2019
7. Event: e-Health & Lifescience Forum; Organizer: RCS Academy; Location: Buzzati Hall, Milan; Date: September 30, 2019
8. Event: The Thousand Faces of Innovation 2020/21/22/23; Organizer: Casa della Cultura, Milan; Location: Milan, Via Borgogna 3; Date: November 4, 2019
9. Event: Walking on the Moon; Location: University of Milan-Bicocca; Date: November 4, 2019
10. Event: "Data between digital sovereignty and national interest"; Organizer : Privacy Italia; Location: University of Milan-Bicocca; Date: November 25, 2019
11. Event: Motore Sanità Summer School 2020; Organizer: Motore Sanità; Location: Gallio (Asiago Plateau); Date: September 17, 2020
12. Event: World Usability Day Milan 2020; Organizer : AvanaDe Italia and SIGCHI- Italy ; Location: Online; Date: November 11, 2020

13. Event: Big Data and Artificial Intelligence: Opportunities and Critical Issues in the Context of the COVID Emergency; Organizer: AISDET, Italian Association for Digital Health, Telemedicine, and Innovation for Italy; Location: Online; Date: February 18, 2021
14. Event: Milan Digital Week; Organizer: University of Milan-Bicocca and the City of Milan; Title: "Not Oracles, But Spirit Levels. Artificial Intelligence and COVID." Location: Online; Date: March 18, 2021
15. Bergamoscienza Festival ; Organizer: BergamoScienza Association; Location: Online; Date: May 5, 2021
16. Event: Internet Festival Pisa; Location: Le Benedettine Conference Center; Date: October 9, 2021
17. Event: Martini Lecture Bicocca 2021; Organizer: Cardinal Martini Foundation; Location: Aula Magna, University of Milan-Bicocca; Date: October 14, 2021
18. Event: Science at the Cinema; Organizer: "Il cinema del carbone" Film Club; Location: Cinema del carbone, Via Guglielmo Oberdan, 11, Mantua (MN); Date: November 23, 2021
19. Event: Risks and Impacts of Artificial Intelligence, Organizer: RedOPen Ltd .; Location: Guido Martinotti Auditorium, University of Milan-Bicocca, on Artificial Intelligence; Date: October 28, 2022
20. Event: Pordenone Pensa; Organizer: Frame Association; Location: Nuovo Cinema Don Bosco; Date: November 12, 2022
21. Event: AIXA SUMMIT 2022; Organizer: Fiera Milano; Location: Allianz MiCo; Date: November 15, 2022
22. Event: Milan Digital Week, Organizer: Fastweb and Anagramma; Title: The Future of AI; Location: Milan; Date: November 16, 2022
23. Event: Artificial Intelligence, the Use of New Machines. Organizer: Municipality of Pioltello. Location: Pioltello Library; Date: November 19, 2022
24. Event: Signing of the "Rome Call for AI Ethics" by the Abrahamic Religions, Organizer: Holy See; Location: Vatican City, at the Casina Pio IV, seat of the Pontifical Academy of Sciences; Date: January 10, 2023
25. Event: "Artificial Intelligence , Real Power" at the Vicino/ Lontano Festival in Udine; Organizer: Vicino/Lontano Cultural Association; Location: Church of San Francesco, Udine; Date: May 6, 2023
26. Event: The Spark of Consciousness in the Digital Age; Organizer: Parole di Management; Location: Palazzo delle Scintille, Milan; Date: June 21, 2023
27. Event: Sentient Horizons, Noetic Design - Design for Robotics; Organizer: Istituto Marangoni in collaboration with the Italian Space Agency; Location: Triennale di Milano, Viale Alemagna, 6; Date: June 29, 2023
28. Event: Privacy Week 2023 ("The Impact of AI: Transformations and New Frontiers in the World of Work"); Organizer: Privacy Week SRL; Location: Cisco headquarters, Via San Vittore, 21, Milan; Date: September 28, 2023
29. Event: CIOsumm 2023 (Digital360 Awards & CIOsumm ), "Artificial Intelligence, Ethics, Society, and Development"; Organizer: ICT AND STRATEGY SRL; Location: Hotel Parchi del Garda, Lazise (VR); Date: September 30, 2023
30. Event: "La Via delle Scienze" festival, "Understanding Hybrid Intelligence"; Organizer: La Via delle Scienze Association in collaboration with the Municipality of Valdagno; Location: Soster Hall , Palazzo Festari, Valdagno (VI); Date: October 6, 2023
31. Event: Wired Next Fest; Organizer: Wired Condé Nast; Location: Castello Sforzesco, Milan; Date: October 7, 2023
32. Event: AAMOD: Artificial Intelligence, Archives, and Memory; Organizer: ANAI, Italian National Archival Association; Location: Rome; Date: October 19, 2023
33. Event: AIXA SUMMIT 2023; Organizer: Fiera Milano; Location: Allianz MiCo; Date: November 9, 2023
34. Littéraire 2024 series , "Haruspices, Centaurs, and Charioteers: How Human and Artificial Intelligence Can Collaborate to Work (Less and Better)"; Organizer: Pasquale Battista Foundation; Location: Via Pozzone , 5, Milan; Date: March 19, 2024

35. Event: Festival of Memory, "The Mind of Pico and Artificial Intelligence"; Organizer: Consortium of the Festival of Memory in collaboration with Giulio Einaudi Editore; Location: Cortile Il Pico San Francesco, Mirandola; Date: May 25, 2024
36. Event: Milan Digital Week; Organizer: ISMO; Location: Via Lanzzone 36, Milan; Date: August 10, 2024
37. Event: MeetMeTonight ; Organizer: Municipality of Milan; Location: Online; Date: October 24, 2024
- 38. Event: TEDx Milan, "AI: A Tool to Use or a Partner to Collaborate With?"; Organizer: TEDx Milan; Location: Teatro dal Verme, Milan; Date: October 24, 2024**
39. Event: Print4All 2025; Organizer: Fiera Milano; Location: Fiera Milano; Date: May 28, 2025

## Awards and Recognitions

1. Listed in the **top 2% of the World Ranking Scientists** by Stanford University in 2020, 2021, 2022, and 2023, 2024 <https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/7> (archive: <https://archive.is/wip/Fxe8V>)
2. **David Martin Award paper** , for Wilson, B., Natali, C., Roach, M., Scott, D., Rahat, A., Rawlinson, D., & Cabitza, F. (2025). Dimensions of human-machine combination: prompting the development of deployable intelligent decision systems for situated clinical contexts. In ECSCW 2025, Proceedings of the 23rd <sup>EUSSET</sup> Conference on Computer-Supported Cooperative Work, June 30th – July 4th, 2025 Newcastle upon Tyne, UK
3. **Best paper award** for "Cabitza, F., Fregosi, C., Campagner , A., & Natali, C. (2024, July). Explanations considered harmful: the impact of misleading explanations on accuracy in hybrid human-ai decision making. In XAI 2024, the *World conference on explainable artificial intelligence* (pp. 255-269). Cham: Springer Nature Switzerland.
4. co-author of the **Best Student Paper** " Famigliani , L., Bini, G., Carobene, A., Campagner , A., & Cabitza, F. (2021, June). Prediction of ICU admission for COVID-19 patients: a machine learning approach based on complete blood count data. In *2021 IEEE 34th international symposium on computer-based medical systems (CBMS)* (pp. 160-165). IEEE.
5. Winner of the selection for the awarding of the "one-off" incentive pursuant to art. 29, paragraph 19, of Law 240/2010, \_according to criteria of academic and scientific merit\_ (cited in the relevant University Regulations) announced by the University of Milan-Bicocca as per circulars nos . 71 and 77 of 2014
6. **Best paper award** for the article "Cabitza, F., & Locoro , A. (2014, October). "Made with Knowledge" - Disentangling the IT Knowledge Artifact by a Qualitative Literature Review. In *International Conference on Knowledge Management and Information Sharing* (Vol. 2, pp. 64-75). SCITEPRESS, IC3K conference , the joint conference on "Knowledge Discovery, Knowledge Engineering and Knowledge Management" organized by INSTICC and indexed by Scopus and CORE 2014.
7. **Best paper award** for the article "De-Designing the IT Artifact. Drafting Small Narratives for the Coming of the Sociotechnical Artifact" received at the XI conference of the Italian Chapter of the Association International AIS (Association for Information Systems), "Digital Innovation and Inclusive Knowledge in Times of Change" held in Genoa (Italy) from 21st to 22nd November 2014 at the University of Genoa ( ItAIS 2014).
8. Winner of the 2017 ANVUR Annual Individual Funding Award for Basic Research Activities (FFABR) (pursuant to Article 1, paragraphs 295 et seq., of Law No. 232 of 11 December 2016)
9. Award (24th edition KM Tracks chairman), 26/09/2018
10. honorable mention at the 5<sup>th</sup> European Community Contest for Young Scientists 1993 (after having placed second in the Italian selection organized by FAST, the Federation of Scientific and Technical Associations)

## Research Fellowships at International Universities and Institutes

- 1) Visiting scholar at the University Nebrija of Madrid (Spain), with participation in the research activities of the group " Procesos Innovadores en el Project Arquitectónico " directed by Professor Maria Isabel Alba Dorado on the topics of participatory urban planning (social computing) and innovative technologies for the

collaborative design of physical spaces (also including augmented reality solutions and remote collaboration CSCW). Period: 29-06-2014 to 21-07-2014.

- 2) Participation as a member of the final examination committee for the PhD in Biomedical Engineering at the Universidade Nova de Lisboa, Lisbon, Portugal for the defense of Catia Cepeda and the thesis entitled "" Personality assessment based on HCI and biosignals applied to medical decision making". Period: 02-2020
- 3) Role of on-site evaluator of the PhD program in Biomedical Engineering delivered by the NOVA School of Science and Technology of the NOVA University of Lisbon (Portugal) Preiodo : 07/2023

## Invited speakers at conferences ( keynotes and plenary talks)

### Field : Computer Science

1. Invited talks for the "Algorithm and Explanations" Workshop; Organizer : School of Law of New York University; Title: "Explainability in the Health context" Link: <https://www.law.nyu.edu/centers/ili/events/algorithms-and-explanations> ( archive : <https://archive.is/wip/HQUR0>); Location: School of Law of New York University, NY, USA; Date: 04/27/2017
2. Invited Talk at Fraunhofer Portugal AICOS; Title : "The long mile ahead of the giant with feet of clay"; Location: Lisbon ; Date: 11/02/2020
3. **Keynote Speaker, Conference: CD-MAKE 2020 Cross Domain Conference for Machine Learning and Knowledge Extraction, co-located with IFIP ARES 2020 (CORE 2020 ranking: B); Title: "the sound of ML implementation, a round trip in the last mine and its challenges"; Link: <https://cd-make-2020.archive.sba-research.org/keynote-cabitza/index.html> ( archive : <https://archive.is/QbUOY>) Location: online; Date: 08/25/2020**
4. **Keynote Speaker, Conference: BIOTEC 2022, 15<sup>th</sup> International Joint Conference on Biomedical Engineering systems and technologies (CORE 2017 ranking: C); Title: " Wirewalking over Two Medical AI Chasms, results and open problems in making valid AI also useful in medical practice", Link: <https://portal.insticc.org/KeynotesInterviewsArchive/61dd60b306bb81a274ed4b70?refID=618d0dd7bd1f1268feaddc0d> (archive: <https://archive.is/wip/XQLOJ>); Location: online; date: 02/09/2022**
5. Conference: "Workshop in Explainable AI in Medicine, Lugano, Switzerland, November 2-3, 2023", Organizer: Dalle Molle Institute for Artificial Intelligence (IDSIA) and University of Applied Sciences and Arts of Southern Switzerland (SUPSI); Title: "XAI Research : Do We Really Want It To Be eminence-Based or Evidence-Based ?"; Link: <https://www2.idsia.ch/cms/xai-med23/> (archive: <https://archive.is/wip/PNseb> ) Place: Lugano; Date: 06/06/2023
6. Talk by invitation at the University of Nantes for the Journées d'étude : Aide à la décision médicale à l'ère de l'AI : savoirs , pratiques, valeurs ; Organizer : Faculté des Sciences et des Techniques – Amphi Pasteur; Title: "The proof of the pudding: shortcomings of evaluating medical ai in terms of accuracy and how to better validate these decision aids"; Link: <https://projet-malo.com/event/je-ia-nantes/> ( archive : <https://archive.is/wip/rDiBN> ) Location: Nantes; Date: 03/06/2022
7. Talk by invitation at NOVA University of Lisbon; Title : "Human AI Interaction In The Medical Domain »"; Location: Lisbon ; Date: 13/07/2023
8. invited talk during the Summer Academy for Global Privacy Law 2024- The Future of Data Protection: Navigating Between Data Regulations, Data Spaces and Data
9. Dogmas; Organizer : Brussels Privacy Hub; Title : "Facial Emotion Recognition in Digital Identity Systems"; Link: <https://brusselsprivacyhub.com/wp-content/uploads/2024/06/Summer-Academy-2024-programme.pdf>; Location: Brussels; Date: 05/07/2024
10. Invited talk at the Bruno Kessler Foundation (FBK); title: "Is Trust Good? Strategies for the Evidence-Based Design of Trustworthy Medical Artificial Intelligence Systems"; Location: Trento; Date: January 24, 2025

11. Conference: "Workshop on Human- Centered Machine Learning"; Organizer: University of Applied Sciences and Arts of Southern Switzerland (SUPSI); Title: " Designing AI for Hybrid Decision-Making Why?" Assessing Appropriate Reliance Matters "; Link: <https://www.supsi.ch/en/workshop-on-human-centred-machine-learning> ( archive: <https://archive.is/wip/4Yo3v> ) ; Location: Lugano; Date: 06/06/2025

## Field : medicine and medical informatics

1. Event : WHO Global Forum on Medical Devices; Organizer : WHO/WHO; Title: "Envisioning an InterPersonal WellBeing Space"; Location: Geneva (CH); Date: 22/11/2013
2. Conference: 11th Forum on Risk Management in Healthcare; Title: Location: Fortezza da Basso, Florence; Date: November 29, 2016
3. Conference: 12th Healthcare Risk Management Forum; Title: "Intelligent Task Automation: The Technological Challenge to Complexity in Medicine" Location: Fortezza da Basso, Florence; Date: December 1, 2017
4. Conference: 8th International Cardio Event 2016, Cardiology towards the future, Title: "Big Data and Smart IT for the cardiologists. It's all about your collective knowledge. Location: Palazzo dei Congresses , Florence. Date: 11/02/2016
5. Conference: 22nd National Congress of the Italian Society of Forensic Ophthalmology (SIOL); Title: "Artificial Intelligence in Ophthalmology - An Ally for Patients and Clinicians"; Location: Auditorium of the Congress Center at the Duomo, Florence. Date: October 11, 2019
6. Conference: SIAMOC 2019, 20th Congress of the Italian Society of Clinical Movement Analysis, Title: Artificial Intelligence in Medicine: Opportunities and Risks for Staff and Quality of Care. Location: Bologna; Date: October 9, 2019
7. Conference: ICAIH 2019 (the "first industrial conference on artificial intelligence and health"); Title: Research in Doctor-AI Interaction; Location: Pirelli Tower , Milan. Date: November 14, 2019
8. Conference: 52nd SIBIOC National Congress - Laboratory Medicine; Title: Machine Learning: Possible Applications in Laboratory Diagnostics and Integrated Data; Location: Online; Date: October 7, 2020
9. Conference: NeuroInformatics - IX National Workshop on Artificial Intelligence, NeuroRobotics , BCI, Teleneurology ; Organizer: ITIM and CNR; Title: Intelligent application of Informatics in Covid lab tests analysis ; Location: online; Date: November 16, 2020
10. Conference: Risk Management Forum: Revolution ; Title: " Subsymbolic Artificial Intelligence "; Location: Fairs and Congresses, Arezzo; Date: December 18, 2020
11. Conference: 'AI in the clinic'; Organizer : University of Sheffield; Title: "Some ideas to take validation of medical artificial intelligence seriously"; Location: online; date: 03/26/2021
12. Conference: AMP (Association for Molecular Pathology) Europe 2021 Congress; Title: "Artificial Intelligence: how to assess whether it can work, it does work and it is worth it!"; Location: online; Date: 03/06/2021
13. Conference: Exposanità ; Title: "The Use of AI Tools in Diagnostic Imaging: Analysis and Experience"; Location: Bologna; Date: May 13, 2022
14. Conference: 54th SIBIOC National Congress - Laboratory Medicine; Title: "AI/ML as a tool for laboratory medicine at the heart of the new personalized digital healthcare"; Location: Genoa; Date: October 7, 2022
15. Conference: 27th National Congress of Siset (Italian Society for the Study of Hemostasis and Thrombosis); Title: "Machine learning and artificial intelligence applied to cardiovascular medicine"; Location: Perugia; Date: November 2, 2022
16. Conference: Conference of ISOC, the International Society of Orthopedic Centers; Title: "«with each passing day, i place less value on accuracy» some ideas to go beyond accuracy in evaluating machine learning ai systems"; Location: Milan; date: 03/11/2022
17. Conference: 2023 SNF CJRC Symposium (Stavros Niarchos Foundation Complex Joint Reconstruction Center); Title: "Strengths and weaknesses of AI and enabling technologies"; Location: online; date: 02/06/2023

18. Conference: 7th DISCCO Retreat ; Title: "With each passing day, I place less and less value on accuracy » Some ideas for moving beyond accuracy in evaluating medical AI systems"; Organizer: University of Milan; Location: Aula Magna Mangiagalli, Via della Commenda, 10, Milan; Date: June 19, 2023
19. Conference: 124th National Congress of the Italian Society of Internal Medicine (SIMI); Title: "Applications of Artificial Intelligence in Internal Medicine"; Location: Rimini; Date: October 21, 2023
20. Conference: 28th Annual ELAS-Italy Symposium " Ligand Assay 2023"; Title: "The evaluation of algorithms to support medical decisions"; Location: Bologna; Date: November 21, 2023
21. Conference: 4th National Congress of ITEMS ( Italian Emergency Medicine Schools); Title: "Artificial Intelligence in Emergency Medicine"; Location: Assisi; Date: May 10, 2024
22. Conference: 2nd Conference on POCT and Decentralized Diagnostics – Training, Clinical-Organizational Skills, and Opportunities for Laboratory Professionals; Title: "AI Experiences in Laboratory Medicine and Future Prospects"; Location: Lecce; Date: June 20, 2024
23. Conference: 57th National SIBIOC Congress – Laboratory Medicine; Title: "Machine Learning-Based Diagnostic and Prognostic Algorithms in the Clinical Laboratory for the Management and Improvement of the Patient Care Process"; Location: Bologna; Date: October 8, 2024
24. Event: Conference on Artificial Intelligence in Medicine; Organizer: Order of Surgeons and Dentists of the Province of Brescia – Order of Engineers of the Province of Brescia; Title: "Evaluation and Validation of AI Systems to Support Clinical Diagnostics"; Location: Brescia; Date: December 13, 2024
25. Event: Presentation of the TRAIL laboratory, an interdepartmental laboratory on trustworthy AI; Organizer: University of Brescia; Title: "Is trusting good? New metrics and tools to assess the impact of AI systems on decision-making"; Location: Brescia ; Date: April 9, 2025
26. Event: Laboratorio Sanità 20/30 AI - Friuli Venezia Giulia ; Title: "Advanced technologies, AI , and the responsibility of healthcare professionals and companies" Location: Codroipo, Udine; Date: May 30, 2025
27. Conference: 3rd Conference on POCT and Decentralized Diagnostics – Training, Clinical-Organizational Skills, and Opportunities for Laboratory Professionals; Title: "What to Expect from AI"; Location: Lecce; Date: June 19, 2025

## Editorial Roles in Scientific Journals

### Associate Editor and Editorial Board Memberships

- 1) **Associate Editor, with responsibility for Machine Learning and Artificial Intelligence studies (managed 550+ articles), of the International Journal of Medical Informatics (IF: 4.73 2022, Q1 for Health Informatics ); Publisher: Elsevier (ISSN: 18728243 online; 13865056 print ), editor -in-chief : Prof. Dr. Heimar Marin. Period: 2021 – 2024**
- 2) **Senior Advisory board member of the International Journal of Medical Informatics (IF: 4.1 2024, Q1 for Health Informatics); Publisher: Elsevier (ISSN: 18728243 online; 13865056 print), editor -in-chief : Prof. Dr. Heimar Marin. Link: <https://www.sciencedirect.com/journal/international-journal-of-medical-informatics/about/editorial-board> (archive: <https://archive.is/wip/WKW9w>); Period: 2024 – Present**
- 3) **Member of the Editorial Board of Machine Learning and Knowledge Extraction (IF: 6.0 2024, Q1 for Artificial Intelligence) ; Publisher: MDPI (ISSN 2504-4990), Editor in Chief: Prof. Dr. Andreas Holzinger. Link: <https://www.mdpi.com/journal/make/editors>; archived copy: <https://archive.is/wip/LgzAx> ; Period: 2020 - Present**
- 4) **Member of the Editorial Board of the Journal of Medical Artificial Intelligence (Q3 2024, JRS 2.1); Publisher: AME Publishing Company (ISSN: 2617-2496), Editor in Chief: Joshua Ong; Link: <https://jmai.amegroups.org/about/editorialTeam> ( archive : <https://archive.is/wip/Sd26c>); Period : 2019 – Present**

- 5) Member of the Editorial Board of **Annals of Translational Medicine** (IF: 3.7 2018, Q 1 in Medicine Miscellaneous); Publisher: AME Publishing Company (ISSN: 23055839); Editor in Chief: Xuehao Wang. Link: <https://atm.amegroups.org/user/view/167226> (Archive: <https://archive.is/wip/hFmLJ>); Period: 2018-2020
- 6) Member of the scientific committee of the journal "**Mondo Digitale**"; Publisher: Italian Association for Informatics and Automatic Calculation (AICA), ISSN: 1720-898X, indexed in Scopus; Editor-in-Chief: Viola Schiaffonati; Link: [http://mondodigitale.aicanet.net/Chisiamo\\_N3.html](http://mondodigitale.aicanet.net/Chisiamo_N3.html) (archive: <https://archive.is/wip/kpkka>). Period: 2014 - Present

## Guest editor of special issues

- 1) Guest Editor of the special issue entitled "Design, development and use of Knowledge Artifacts in professional communities of practice" for the magazine "**Program**" ( now Data Technologies and Applications, IF 1.0 2015, Q1 for "Library and Information Sciences", Q2 for the "Information Systems" sector ); Publisher: Emerald Group Publishing; Link: <https://www.emerald.com/dta/issue/52/1> ( archive : <https://archive.is/wip/xO57H> ); Period : 2016
- 2) Guest Editor of the Special Issue entitled "Data work in healthcare" for the journal **Health Informatics Journal** (IF:2.3 2019, Q2 2019 in Health Informatics ), volume 25, number 3, 2019, ISSN: 14604582; Publisher SAGE Link: <https://journals.sagepub.com/toc/jhib/25/3>. Period: 2019
- 3) Guest Editor of the Special Issue entitled "Personal Health Records and patient-oriented infrastructures: Building technology, shaping (new) patients and healthcare practitioners" for the magazine **Computer Supported Cooperative Work (CSCW)** (IF 1.5 2018, Q2 Computer Science 2018), volume 28, ISSN: 1573-7551; Publisher: Kluwer Academic Publishers. Link: <https://link.springer.com.proxy.unimib.it/article/10.1007/s10606-019-09364-x> . Period: 2019
- 4) Guest editor of research topic "Clinical Integration of Artificial Intelligence in Spine Surgery: Stepping in a new Frontier " for the journal **Frontiers in Surgery** (IF: 1.8 2024, Q2 in Surgery 2024), published by Frontiers (ISSN: 2296-875X); Link: <https://www.frontiersin.org/research-topics/44894/clinical-integration-of-artificial-intelligence-in-spine-surgery/magazine> (archive: <https://archive.is/wip/Jj8lq>); Period: 2024
- 5) Guest Editor of the special issue entitled "Applications of Machine Learning and Uncertainty Modeling for Real-World Medical Decision-Making" for the journal "**International Journal of Medical Informatics**" (IF: 4.1, 2024, Q1 in Medical Informatics 2024); Publisher: Elsevier; Links: <https://www.sciencedirect.com/special-issue/10217NWPNNC> ( archive : <https://archive.is/wip/21ZA4> ); Timeframe : 2025

## Academic Service

### Chair Roles at Conferences (selection)

- 1) Session chair at COOP2012: the 10th International Conference on the Design of Cooperative Systems, Marseille, France; period: 30/05/2012 – 01/06/2012
- 2) Track chair at MIE2012: the 24th European Medical Informatics Conference, Pisa, Italy. Period : 26-29/08/2012
- 3) Track Chair of the track "Continuous Redesign of Socio-Technical Systems" organized during ItAIS 2015, XII Conference of the Italian Chapter of AIS, Reshaping Organizations through Digital and Social Innovation, held from 9 to 10 October 2015, in Rome, Italy. Period : from 09/10/2015 to 10/10/2015
- 4) Associate Editor of the ECIS 2016 track on "Sociotechnical Approaches to Organizational Transformation" held During the ECIS 2016 conference , the 24th European Conference on Information Systems, 12-15 June 2016, Istanbul. Period: 12/06/2016 to 15/06/2016
- 5) Track Chair of the track "Continuous Redesign of Socio-Technical Systems" organized during ItAIS 2016, XIII Conference of the Italian Chapter of AIS ICT and Innovation: A Step Forward to a Global Society, held on October 7 and 8, 2016, in Verona, Italy. Period from October 7, 2016 to October 8, 2016
- 6) **Program Chair** of the 14th conference of the Italian Chapter of AIS (Association for Information Systems), ItAIS 2017, held in Milan, Italy, on October 6-7 , 2017 (<http://www.itais.org/conference/2017/>). Period: October 6-7, 2017

- 7) **Program Chair** of the 13th edition of the International Conference on Health Informatics (HEALTHINF 2020), part of BIOTEC, the International Joint Conference on Biomedical Engineering Systems and Technologies. Valletta, Malta (<http://www.healthinf.biostec.org/?y=2020>). Period: from 01/24/2020 to 01/26/2020
- 8) Chair of the opening panel of the international conference BIOSTEC, the 13th International Joint Conference on Biomedical Engineering Systems and Technologies, 24–26 February 2020, Valletta, Malta; Date: 24/02/2020
- 9) Chair of the Doctoral Consortium, at the 14th International Conference on Health Informatics HEALTHINF 2021, 24-26 February 2021, online, Vienna, Austria
- 10) Organization and chair of the special session entitled "Data Perspectivism in Ground Truthing and Artificial Intelligence" of the conference International Conference IPMU 2022, Information Processing and Management of Uncertainty in Knowledge-Based Systems / July 11-15, 2022, held in Milan (Italy) on July 12, 2022; Date: 12/07/2022
- 11) Student Support Chair at the first XAI conference, The World Conference on eXplainable Artificial Intelligence, Lisbon (Portugal), July 26-28, 2023 <https://xaiworldconference.com/committees/>; Period: July 26, 2023 to July 28, 2023
- 12) **Program Chair** of the International IFIP Cross Domain Conference for Machine Learning & Knowledge Extraction, CD-MAKE 2023, which was held from August 29th to September 1st 2023 at the University of Sannio (<https://cd-make.net/committees/>; copy archived: <https://archive.is/wip/mizNW>; <https://cd-make.net/call-for-papers/>, copy Archived: <https://archive.is/wip/kvYQU>). Period: August 29, 2023 to September 1, 2023

## Organization and roles of Workshop chairs

- 1) Organizer of the workshop "Idea Management and Large-scale Deliberation Systems", hosted at COOP2012, the 10th International Conference on the Design of Cooperative Systems, Marseille, France; period: 30/05/2012 – 01/06/2012
- 2) Organizer and Co-Chair of the 2015 edition of the conference "International Workshop on the design, development and use of Knowledge IT Artifacts (KITA) in professional communities and aggregations", (KITA 2015), located at the 2015 edition of the "7th International Conference on Knowledge Management and Information Sharing", (KMIS 2017), Lisbon, Portugal, part of IC3K (the 7th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management). Link: <https://kmis.scitevents.org/Workshops.aspx?y=2015> (archive: <https://archive.is/wip/AZzsp>) Date: 11/13/2015
- 3) Organizer and Co-Chair of the 2016 edition of the conference "2nd <sup>International</sup> Workshop on the design, development and use of Knowledge IT Artifacts (KITA) in professional communities and aggregations", (KITA 2016), located at the 2016 edition of the "8th International Conference on Knowledge Management and Information Sharing", (KMIS 2018), Porto, Portugal, part of IC3K (the 8th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management). Link: <https://kmis.scitevents.org/KITA.aspx?y=2016>; Period: 09/11/2026
- 4) Organizer and Co-Chair of the workshop "Data work in healthcare: the new work ecologies of healthcare infrastructures" held on February 29, 2016 in San Francisco, CA, USA, in conjunction with from the conference CSCW 2016, the 19th ACM conference on Computer-Supported Cooperative Work and Social Computing, was held from February 27 to March 2, 2016. Date: February 29, 2016
- 5) Organizer and co-chair of the workshop "Exploring data-work in healthcare: making sense of data across boundaries," held on May 24, 2016, in Trento, Italy, concurrently with COOP 2016, the 12th International Conference on the Design of Cooperative Systems, Trento, Italy. Attached is the first page of the workshop description in the official COOP proceedings. Date: May 24, 2016
- 6) Organizer and Co-Chair of the 2016 edition of the conference "International Workshop on Valuable Visualization of Healthcare Information: from the quantified self-data to conversations" (VVH 2016), co-located with the 2016 edition of the "International Working Conference on Advanced Visual Interfaces" (AVI

2016), Bari, Italy. The first page of the workshop description is attached to the official AVI proceedings . Date: 07/06/2016

## Schools Summer schools

- Participation as a speaker (invited lecturer) at the International Summer School on “Complexity of the Ageing Society: Research and Technological Challenges”; Organizers : School of Advanced Studies, Center for Scientific Culture , with the patronage and support of of the Italian Association for Artificial Intelligence, Working Group on “AI for an Ageing Society”; Location: Villa Del Grumello , Como (Italy); Date: 15/09/2015
- **Local organizer** (and responsible) and teacher of the PhD summer school called "Second International Summer School on Computer Supported Cooperative Work: Foundations , Methods and Technologies"; Link: <https://www.eusset.eu/2016/03/21/eusset-2nd-intl-summer-school/> (archive: <https://archive.is/wip/PHTuv> ) ; Location: Villa del Grumello, Como (Italy); Period: August 22-26, 2016

## Tutorial

1. HHAI'24, Second International Conference on Hybrid Human -Artificial Intelligence Munich, Germany, How to assess human reliance on artificial intelligence in hybrid decision making, 4 hours (half day), 06/26/2023
2. HCII'24, 26th International Conference on Human -Computer Interaction (HCII2024), Washington DC, USA, Assessing Human Reliance on Artificial Intelligence in Hybrid Decision-Making, 4 hours (half day) 06/30/2024
3. **ECAI'25, European Conference on Artificial Intelligence (ECAI 2025), Bologna, Italy, -October 25-30 2025, Assessing Human Reliance on Artificial Intelligence in Hybrid Decision-Making, 4 hours (half day), 26/10/2025**

## Program Committee Memberships (Selection)

### Major International conferences

1. ECSCW 2009 the 11th European Conference on Computer Supported Cooperative Work, Vienna, Austria, 7–11 September 2009 Link: <https://download.e-bookshelf.de/download/0000/0081/19/LG-0000008119-0002341781.pdf>
2. ECSCW 2011, the 12th European Conference on Computer Supported Cooperative Work, Aarhus, Denmark, September 24-28, 2011
3. ECSCW 2013 the 13th European Conference on Computer Supported Cooperative Work, Paphos, Cyprus from September 21-25 2013 Link: <https://ecscw2013.cs.ucy.ac.cy/index.php?p=Organization>
4. COOP 2014, 11th International Conference on the Design of Cooperative Systems, Nice, France, May 27-30, 2014
5. ECSCW 2015 the 14th European Conference on Computer Supported Cooperative Work, Oslo, Norway, 19-23 September 2015
6. CSCW 2016: Computer Supported Cooperative Work and Social Computing San Francisco California USA 27 February 2016- 2 March 2016
7. AVI 2020 – Advanced Visual Interfaces - International Conference on Advanced Visual Interfaces, Ischia, Italy September 28 - October 2, 2020, Link: <https://sites.google.com/unisa.it/avi2020/committees>
8. HEALTHINF 2022, the 15th International Conference on Health Informatics, Lisbon ; Online; February 9 – 11, 2022; Link : <https://healthinf.scitevents.org/ProgramCommittee.aspx?y=2022>
9. Interact 2023, the 19th International Conference promoted by the IFIP Technical Committee 13 on Human–Computer Interaction, Belo Horizonte, Minas Gerais, Brazil. September 8-12, 2025
10. XAI 2023, The 1st World Conference on eXplainable Artificial Intelligence, Lisboa, Portugal, July 26-28, 2023

11. XAI 2024, the 2nd World Conference on eXplainable Artificial Intelligence, Valletta, Malta, July 17-19, 2024
12. AIME 2025 – 21st Conference on Artificial Intelligence in Medicine, Pavia, Italy, June 23-26, 2025; link: URL: <https://aime25.aimedicine.info/organization/>
13. XAI 2025, the 3rd World Conference on eXplainable Artificial Intelligence, Istanbul , Turkey, Jul 9 - 11 2025 Link: URL: <https://xaiworldconference.com/2025/committees/>

### Specialist Conferences and Workshops

1. CoPDA 2014 – Workshop on Cultures of Participation in the Digital Age, linked to 2014 Advanced Visual Interfaces; link: <https://homes.di.unimi.it/cslab/copda2014/index.php?p=programcomm>
2. CoPDA 2016 – Cultures of Participation in the Digital Age, Workshop connected to NordiCHI 2016, Link: <https://homes.di.unimi.it/cslab/copda2016/index.php>
3. STPIS 2016 – 2nd International Workshop on Socio-Technical Perspectives in Information Systems, Link: <https://ceur-ws.org/Vol-1604/Preface.pdf>
4. HuFo 2016, November 22, 2016, Link: <https://hufo2016.serandp.com/program-committee-tentative>
5. MTSR 2017 – Metadata and Semantics Research Conference, Track “KITA” Special Track on
6. Knowledge IT Artifacts (KITA) in professional communities and aggregations November 28th – December 1st 2017
7. Tallinn University, Estonia, Link: URL: <http://www.mtsr-conf.org/2017/archived/index.php/tracks/kita.html>
8. InfraHealth 2017 The 6th international workshop on Infrastructures for healthcare (IHC): Infrastructures for governance, quality improvement and service efficiency; 22-23 June 2017, Aarhus, Denmark, Link: <https://infrahealth2017.wordpress.com/committees/>
9. CoPDA 2018 – Cultures of Participation in the Digital Age, Link: <https://homes.di.unimi.it/cslab/copda2018/>
10. MTSR 2018 – Metadata and Semantics Research Conference, Special Track on Knowledge IT Artifacts (KITA) in professional communities and aggregations (KITA 2018)
11. The 12th International Conference on Metadata and Semantics Research (MTSR'18), Limassol, Cyprus October 23 – 26, 2018; Link: <http://www.mtsr-conf.org/2018/index.php/track/kita.php>
12. MTSR 2020 – Metadata and Semantics Research Conference, Track “KITA”; Link: <http://www.mtsr-conf.org/2020/track/kita>
13. STPIS 2020 – 6th International Workshop on Socio-Technical Perspectives in Information Systems; Link: <https://stpis2020.cs.ut.ee/index.php/organization/>
14. Smartercare 2021, Workshop - Towards Smarter Health Care: Can Artificial Intelligence Help? associated with AlxIA 2021 , online 29th November 2021, Link: <https://smartercare.disco.unimib.it/committee>
15. IS-EUD 2021: International Symposium on End-User Development 2021, Limassol, Cyprus, July 6-8, 2021, Link : <https://www.easychair.org/cfp/ISEUD2021>
16. Itais 2021, Special track in Socio-Technical perspectives for a sustainable future of work and society, Itais 2021, 17th conference of the Italian Chapter of AIS, Trento, Italy,
17. I-cities 2021, 7th Italian Conference on ICT for Smart Cities and Communities; Track "well-being, e-Health & Smart Food "; online, 22-24 September 2021, Fisciano (SA) Link: <https://icities2021.unisa.it/committee.html>
18. HEALTHINF 2021 – 14th International Conference on Health Informatics, Setúbal; Link: <https://healthinf.scitevents.org/ProgramCommittee.aspx?y=2021>
19. MTSR 2021 – Metadata and Semantics Research Conference, Track “KITA”; Link: <https://www.mtsr-conf.org/2021/track/kita>

20. STPIS 2021 – 7th International Workshop on Socio-Technical Perspectives in Information Systems; Link : <https://ceur-ws.org/Vol-3016/preface.pdf>
21. MTSR 2022 – Metadata and Semantics Research Conference, Track “KITA”; Link: <https://www.mtsr-conf.org/2022/track/kita>
22. STPIS 2022 – 8th International Workshop on Socio-Technical Perspectives in Information Systems; Link: <https://ceur-ws.org/Vol-3239/preface.pdf>
23. STPIS 2023 – 9th International Workshop on Socio-Technical Perspectives in Information Systems; Link : <https://ceur-ws.org/Vol-3598/preface.pdf>
24. MTSR 2023 – Metadata and Semantics Research Conference, Track “KITA”; Link: <https://www.mtsr-conf.org/2023/track/kita>
25. HC@AlxIA 2024 – 3rd AlxIA Workshop on Artificial Intelligence For Healthcare; 25-28 November 2024, Bolzano, Italy, Link: <https://sites.google.com/unical.it/hcaixia2024/the-workshop/committees-and-organization>
26. LREC-COLING 2024, 3rd Workshop on Perspectivist Approaches to NLP ( NLPerspectives ), 21 May, 2024 Turin, Italy, Link: <https://aclanthology.org/2024.nlperspectives-1.0.pdf>
27. STPIS 2024 – 10th International Workshop on Socio-Technical Perspectives in Information Systems; Link: <https://ceur-ws.org/Vol-3857/preface.pdf>
28. CD-MAKE 2024, 4th IFIP TC 5, TC 12, WG 8.4, WG 8.9, WG 12.9 International Cross-Domain Conference, CD-MAKE 2020 Dublin, Ireland, August 25–28, 2020, Link: [https://inria.hal.science/hal-03414737/file/IFIPLNCS12279DL\\_2020\\_BookFrontmatter.pdf](https://inria.hal.science/hal-03414737/file/IFIPLNCS12279DL_2020_BookFrontmatter.pdf)
29. AIBio 2025, the 1st Workshop on Artificial Intelligence for Biomedical Data, linked to ECAI 2025, 25-26 October 2025, Bologna, Italy; Link: <https://wsaibio.github.io/ecai2025/>

## Reviewer positions ( reviewer ) selection

1. ACM Computing Surveys, ACM
2. Applied Artificial Intelligence, Taylor & Francis
3. Applied Artificial Intelligence, Taylor & Francis
4. Applied Sciences, MDPI
5. Artificial Intelligence In Medicine, Elsevier
6. Artificial Intelligence Review, Springer Nature
7. Behavior & Information Technology, Taylor & Francis
8. BMC Medical Informatics and Decision Making, BMC
9. BMJ Open, BMJ Group
10. Communications Medicine, Springer Nature
11. Computation, MDPI
12. Computer Methods and Programs in Biomedicine, Elsevier
13. Computer Supported Cooperative Work (CSCW), Springer Nature
14. Computers & Industrial Engineering, Elsevier
15. Computers in Biology and Medicine, Elsevier
16. Computers in Human Behavior, Elsevier
17. Diagnostics, MDPI
18. Digestive and Liver Disease, Elsevier
19. European Journal for Biomedical Informatics
20. Expert Systems With Applications, Elsevier
21. Frontiers in Computer Science, Frontiers
22. International Journal of Human - Computer Studies Elsevier
23. International Journal of Human-Computer Interaction, Taylor & Francis

24. International Journal of Medical Informatics, Elsevier
25. Journal of Biomedical Informatics, Elsevier
26. Journal of Medical Internet Research, JMIR Publications
27. npj Digital Medicine, Springer Nature
28. Patterns, Elsevier
29. Plos One, Public Library of Science
30. Scandinavian Journal of Information Systems, AIS
31. Scientific reports, Nature
32. Technology in Society, Elsevier

## University-Level Teaching Experience

### PhD in Computer Science

1. Curricular Teaching Assignment 1st year, "Design of experiments " (8 hours) within the PhD in Computer Science of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca.
2. Academic Year 2022-2023 Extracurricular Teaching Assignment "Human Interaction - Artificial Intelligence" (20 hours) as part of the PhD in Computer Science of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca.
3. Academic Year 2020-2021 Extracurricular Teaching Assignment "Human Interaction - Artificial Intelligence" (20 hours) as part of the PhD in Computer Science of the Department of Computer Science, Systems and Communication of the University of Milan-Bicocca.

#### Academic Year 2024-2025 (128 hours)

1. ADVANCED DATA MANAGEMENT AND DECISION SUPPORT SYSTEMS - [F9102Q008 ] (16 hours)
2. HUMAN-MACHINE INTERACTION - [E3101Q120 ] (48 hours)
3. HUMAN-SYSTEM INTERACTION - [E311PV020 ] (16 hours)
4. INFORMATION SYSTEMS - [F1801Q103 ] (16 hours)
5. HUMAN-COMPUTER INTERACTION - [F551MI031 ] (32 hours)

#### Academic Year 2023-2024 (120 hours)

1. ADVANCED DATA MANAGEMENT AND DECISION SUPPORT SYSTEMS - [F9102Q008] (16 hours)
2. HUMAN-MACHINE INTERACTION - [E3101Q120] (56 hours)
3. HUMAN-SYSTEM INTERACTION - [E311PV020] (16 hours)
4. INFORMATION SYSTEMS - [F1801Q103] (32 hours)

#### Academic Year 2022-2023 (124 hours)

1. ADVANCED DATA MANAGEMENT AND DECISION SUPPORT SYSTEMS - [F9102Q008] (16 hours)
2. HUMAN-MACHINE INTERACTION - [E3101Q120] (48 hours)
3. INFORMATION SYSTEMS - [F1801Q103 / F9201P026] (32 hours)
4. INTERACTION DESIGN LABORATORY - [F9201P214/F1801Q126] (28 hours)

#### Academic Year 2021-2022 (137 hours)

1. DATA VISUALIZATION [F9201P206] Master's Degree in Communication Theory and Technology, University of Milan-Bicocca, borrowed from the Master's Degree in Data Science, University of Milan-Bicocca

2. INFORMATION SYSTEMS [F9201P026] [F9101Q020], Master's Degree in Computer Science , University of Milan-Bicocca
3. Human-Computer Interaction, [E3101Q120], Degree in Computer Science, University of Milan-Bicocca
4. DESIGN LABORATORY - INTERACTION DESIGN LABORATORY [F9201P028] Master's Degree in Communication Theory and Technology , University of Milan-Bicocca, borrowed from the Master's Degree in Computer Science , University of Milan-Bicocca

Academic Year 2020-2021 (137 hours)

1. DATA VISUALIZATION [F9201P206] Master's Degree in Communication Theory and Technology, University of Milan-Bicocca, borrowed from the Master's Degree in Data Science, University of Milan-Bicocca
2. Human-Computer Interaction, Degree in Computer Science [E3101Q120], University of Milan-Bicocca
3. DESIGN LABORATORY - INTERACTION DESIGN LABORATORY [ F9201P028 ] Master's Degree in Communication Theory and Technology , University of Milan-Bicocca, borrowed from the Master's Degree in Computer Science , University of Milan-Bicocca
4. INFORMATION SYSTEMS [F1801Q103] [F9101Q020] [F9201P026], Master's Degree in Computer Science , University of Milan-Bicocca, borrowed from the Master's Degree in Communication Theory and Technology, University of Milan-Bicocca

Academic Year 2019-2020 (133 hours)

1. DATA VISUALIZATION Master's Degree in Communication Theory and Technology, University of Milan-Bicocca, borrowed from the Master's Degree in Data Science, University of Milan-Bicocca
2. Human-Computer Interaction, Computer Science Degree, University of Milan-Bicocca
3. DESIGN LABORATORY - INTERACTION DESIGN LABORATORY Master's Degree in Communication Theory and Technology , University of Milan-Bicocca, borrowed from the Master's Degree in Computer Science , University of Milan-Bicocca
4. INFORMATION SYSTEMS, Master's Degree in Computer Science , University of Milan-Bicocca, adapted from the Master's Degree in Communication Theory and Technology, University of Milan-Bicocca

Academic Year 2018-2019 (126 hours)

1. DATA VISUALIZATION Master's Degree in Communication Theory and Technology, University of Milan-Bicocca, borrowed from the Master's Degree in Data Science, University of Milan-Bicocca
2. INFORMATION SYSTEMS, Master's Degree in Computer Science , University of Milan-Bicocca
3. Human-Computer Interaction , Degree in Computer Science, University of Milan-Bicocca
4. DESIGN LABORATORY - INTERACTION DESIGN LABORATORY Master's Degree in Communication Theory and Technology , University of Milan-Bicocca, borrowed from the Master's Degree in Computer Science , University of Milan-Bicocca

Academic Year 2017-2018 (72 hours)

1. HUMAN-MACHINE INTERACTION - [E3101Q120]
2. DATA MANAGEMENT AND VISUALIZATION - [F9101Q003]

Academic Year 2016-2017 (68 hours)

1. HUMAN-MACHINE INTERACTION - [E3101Q120]
2. HUMAN-MACHINE INTERACTION - [E3101Q120]
3. DATA WAREHOUSE - [F9201P039 ] TUGEA ESER SINGLE SHIFT GROUP A

Academic Year 2015-2016 (56 hours)

1. HUMAN-MACHINE INTERACTION - [E3101Q120]
2. HUMAN-MACHINE INTERACTION - [E3101Q120] TUGLA LAB SINGLE SHIFT GROUP A

Academic Year 2014-2015 (58 hours)

1. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames A-L12
2. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames M-Z12
3. TECHNOLOGIES FOR COOPERATION - [E3101Q125]
4. KNOWLEDGE MANAGEMENT - [F9201P027]

Academic Year 2013-2014 (56 hours)

1. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames AL
2. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames MZ
3. TECHNOLOGIES FOR COOPERATION - [E3101Q125]
4. KNOWLEDGE MANAGEMENT - [F9201P027]

Academic Year 2012-2013 (80 hours)

1. KNOWLEDGE MANAGEMENT - [F1801Q111]
2. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames AL
3. LANGUAGES AND COMPUTABILITY - [E3101Q111] Surnames MZ
4. SITE LABORATORY - [E3101Q021]

Academic Year 2011-2012 (80 hours)

1. SITE LABORATORY - [E3101Q021]
2. ALGORITHMS AND DATA STRUCTURES - [E3101Q107] Surnames MZ
3. SOFTWARE ENGINEERING - [E3101Q009] T1GLC LAB SHIFT 1 GROUP C
4. KNOWLEDGE MANAGEMENT - [F9201P027] TUGEA ESER SINGLE SHIFT GROUP A

## Pre- hiring period as a researcher

1. Academic Year 2010/2011 - Contract Professor for the “Knowledge Management” module (teacher Prof. Simone) of the “Informatics for Organizations” course, Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.
2. Academic Year 2009/2010 - Contract Professor for the “Knowledge Management” module (teacher Prof. Simone) of the “Computer Science for Organizations” course, Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.
3. Academic Year 2009/2010 – Teaching Assistant for the Programming Languages course (teachers: Dr. Vizzari and Prof. Antoniotti) of the Computer Science Degree Course (online) at the University of Milan-Bicocca.
4. Academic Year 2008/2009 – Teaching assistant for the course “Knowledge Management and Sharing” (teacher Prof. Simone) of the Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.
5. Academic Year 2008/2009 – Teaching assistant for the Programming Languages course (taught by Dr. Vizzari and Prof. Antoniotti) of the Computer Science Degree Course (online) at the University of Milan-Bicocca.
6. Academic Year 2007/2008 – Teaching assistant for the course “Knowledge Management and Sharing” (teacher Prof. Simone) of the Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.

7. AA 2008 – Co-Teacher of the course “Collaboration and Technological Support” of the first level university master's degree in Computer Systems Administrator in Diagnostic Imaging offered by the University of Milan-Bicocca (20 hours).
8. Academic Year 2006/2007 – Teaching assistant for the course “Knowledge Management and Sharing” (teacher Prof. Simone) of the Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.
9. Academic Year 2006/2007 – Lecturer for the course “Technologies for Corporate Communication” (teacher Prof. Simone) of the Degree Course in Communication Sciences (10 hours) at the University of Milan-Bicocca.
10. Academic Year 2006/2007 – Teaching assistant for the course “Languages for Coordination and Cooperation” (teacher Prof. Simone) of the Computer Science Degree Course (6 hours) at the University of Milan-Bicocca.
11. AA 2007 – Co-Teacher of the course “Collaboration and Technological Support” of the first level university master's degree in Computer Systems Administrator in Diagnostic Imaging offered by the University of Milan-Bicocca (20 hours).
12. Academic Year 2006/2007 – Teaching assistant for the course “Knowledge Management and Sharing” of the Master's Degree in Computer Science (8 hours) at the University of Milan-Bicocca.
13. 2006 AICA Teacher of the ECDL “Core” Module (40 hours).
14. Academic Year 2005/2006 – Teaching assistant for the course “Knowledge Management and Sharing” (teacher Prof. Simone) of the Master's Degree in Computer Science (12 hours) at the University of Milan-Bicocca.
15. Academic Year 2005/2006 – Teaching assistant for the course “Languages for Coordination and Cooperation” (teacher Prof. Simone) of the Computer Science Degree Course (10 hours) at the University of Milan-Bicocca.
16. Corporate Communication” ( Prof. Simone) of the Degree Course in Communication Sciences (10 hours) at the University of Milan-Bicocca.
17. 2005 AICA Teacher of the “Core” Module of the ECDL course (12 hours).
18. Academic Year 2004/2005 – Teaching assistant for the course “Programming languages (complements)” (teacher Prof. Carla Simone) of the Degree Course in Computer Science ( Prof. Carla Simone) (12 hours).
19. Academic Year 2004/2005 – Lecturer for the course “Technologies for Corporate Communication” (teacher Prof. Carla Simone) of the Degree Course in Communication Sciences (4 hours).

## Teaching in first or second level Master's degrees

1. Academic Year 2022/2023: Master's Degree in "Science Communication and Sustainable Innovation ( Macsis )" (8 Hours)
2. AA 2021/2022: Master In Methods And Data Analysis In Biomedical Research (Medal) (4 Hours)
3. Academic Year 2021/2022: Master's Degree in "Science Communication and Sustainable Innovation ( Macsis )" (8 Hours)
4. Academic Year 2020-2021: Master's Degree in " Nudge and Public Policies: Behavioral Economics and Cognitive Sciences in Public and Private Organization, Communication, and Regulation" (4 Hours)
5. Academic Year 2020/2021: Master's Degree in "Science Communication and Sustainable Innovation - Macsis " (8 Hours)
6. Academic Year 2019/2020: Master's Degree in "Science Communication and Sustainable Innovation ( Macsis )" (8 Hours)
7. Academic Year 2018/2019: Master's Degree in "Science Communication and Sustainable Innovation" (8 Hours)
8. Academic Year 2017-18: Master in "Science Communication and Sustainable Innovation ( Macsis )" (8 Hours)
9. Academic Year 2015/2016: Master's Degree in Science Communication and Sustainable Innovation ( Macsis ) (8 Hours)
10. Academic Year 2014/2015: Master's Degree in Computer Systems Administration in Diagnostic Imaging ( Asidi ) (8 Hours)

## Effectiveness of teaching

Indicator calculated on the only course taught since Federico Cabitza took up the post of associate professor and for which at least 6 questionnaires were completed each year, during the period in which the data was available on the portal <https://opinionistudenti.unimib.it/>

**HUMAN-COMPUTER Interaction** , Bachelor's Degree in Computer Science, average score for the academic years 2020/2021, 2021/2022, 2022/2023, 2023/2024: **9.02** , out of **103** questionnaires

## Services to the educational community

### Assignments

- Since November 2023, **member of the** Orientation Committee of the Department of Computer Science, Systems and Communications at the University of Milan-Bicocca; Term: 2023 – present.
- From November 2017 to October 2023 **member of the** Departmental Erasmus **Committee** and Head of the Master's Degree in "Communication Theory and Technology." Period: 2017-2023
- From November 2018 to October 2022 and then from November 2023 currently **member of the orientation committee** for the CDLM in " Artificial Intelligence for Science and Technology" offered by the University of Milan-Bicocca; period: 2018 - present
- From November 2017 to October 2023 , **he served as a lecturer** for the Master's Degree in "Communication Theory and Technology" offered by the University of Milan-Bicocca. Term: 2017-2023
- From November 2022, **lecturer** for the Master's Degree in " Artificial Intelligence for Science and Technology" offered by the University of Milan-Bicocca; period: 2022 - present
- Since April 2015, **Member of the Teaching Staff** (from cycle XXXI to the current one) of the PhD program in Computer Science at the University of Milan-Bicocca; Period: 2015 - present
- In March 2018, **president of the commission** for the final examination of the PhD course in Computer Science XXX cycle
- From November 2017 to November 2018, **Member of the Research Quality Assurance and Third Mission Group** . Department of Computer Science, Systems, and Communications. Made up of five professors from the department, the group supports the director in his "tasks of monitoring and promoting the quality policy at the department level, identifying necessary corrective actions, and verifying their implementation."
- From January 2012 to September 2017, **member of the timetable committee** of the Department of Computer Science, Systems and Communications, University of Milan-Bicocca. Period: 2012–2017
- **Permanent member of several Teaching Coordination Councils** , including that of the Bachelor's and Master's Degree Course in Computer Science, the Master's Degree Course in Communication Theory and Technology, the Master's Degree Course in Data Science, the Master's Degree Course in Artificial Intelligence for Science and Technology , the Master's Degree Course in Artificial Intelligence, the Master's Degree Course in Human- Centered Artificial Intelligence.

## Role of president or secretary in Competition Commissions

1. **Secretary** for the selection procedure for the recruitment of a **researcher with a fixed-term contract** pursuant to art. 24, paragraph 3, letter b) of Law 240/2010 for the competitive sector 01/b1 – IT - scientific-disciplinary sector inf/01 – IT at the Department of Law (School of Law ) announced with Dr. rep. no. 10222/2021 prot. 152557/21 of 21.12.2021, the notice of which was published in the Official Journal IV special series no. 101 of 21.12.2021
2. Scientific Director and President of the public selection process, based on qualifications and interview, for the awarding of one scholarship for research activities within the project entitled "Analysis and prototype development of an algorithmic risk assessment tool, to be applied to the fields of medicine and law (justice)", for the needs of the Department of Computer Science, Systems and Communication of this university.

3. Scientific Director and President of the public selection procedure, based on qualifications and interview, for the awarding of one scholarship for research activities within the project entitled "Study of the phenomenon of technological dominance ( automation bias ) in legally relevant decision-making contexts", for the needs of the Department of Computer Science, Systems and Communication of this university
4. Scientific Director and President of the selection procedure for the awarding of one grant for collaboration in research activities in the scientific-disciplinary area of mathematical and computer sciences ( ssd inf/01) on the research topic " inxaid - research in the field of interaction with explainable artificial intelligence in the medical decision-making process", with a duration of 20 months.
5. Scientific Director and President of the selection procedure for the awarding of one grant for collaboration in research activities in the scientific-disciplinary area of mathematical and computer sciences ( ssd inf/01) on the research topic " inxaid - research in the field of interaction with explainable artificial intelligence in the medical decision-making process", with a duration of 17 months.
6. Scientific director and chair of the selection procedure for the awarding of one grant for collaboration in research activities in the scientific-disciplinary area of mathematical and computer sciences ( ssd inf/01) on the research topic " inxaid - development and analysis activities in the field of interaction with explainable artificial intelligence in the medical decision-making process", with a duration of 12 months.
7. Scientific Director and President of the public selection process, based on qualifications and interview, for the awarding of one scholarship for research activities within the project entitled "Development and validation of a personalized clinical decision support system for myasthenia gravis ", for the needs of the Department of Computer Science, Systems and Communication of this university.
8. Responsible for and chair of the procedure for awarding one occasional freelance position within the project entitled "Evaluation of the experience of using innovative technologies in healthcare communications contexts," for the needs of the Department of Computer Science, Systems, and Communications at this university.
9. Responsible for and chair of the procedure for awarding one occasional freelance position within the project entitled "Evaluation of the experience of using innovative technologies in training and clinical decision-making contexts," for the needs of the Department of Computer Science, Systems, and Communications at this university.
10. Responsible and President of the public selection procedure, based on qualifications, for the awarding of one occasional freelance job within the project entitled " Ethical , Legal and Social Implications ( ELSI ) for AI , the Human Sciences and Design Perspective", for the needs of the Department of Computer Science, Systems and Communication of this university.
11. Responsible and President of the public selection procedure, based on qualifications, for the awarding of one occasional freelance job as part of the project entitled " Ethical , Legal and Social Implications ( ELSI ) for AI in the Socio-Technical Field", for the needs of the Department of Computer Science, Systems and Communication of this university.
12. Scientific director and chair of the public selection process, based on qualifications, for the awarding of one scholarship(s) for research activities within the project entitled "Development of tools for analysis, visualization, and prediction of biomedical data of clinical origin," for the needs of the Department of Computer Science, Systems, and Communication of this university.
13. Scientific Director and President of the public selection process, based on qualifications, for the awarding of one scholarship(s) for research activities within the project entitled "Development of tools for the analysis, visualization, and prediction of biomedical data of clinical origin," for the needs of the Department of Computer Science, Systems, and Communication of this university.
14. Responsible for and chair of the public selection process, based on qualifications, for the awarding of one occasional freelance position within the project entitled "Data quality analysis in machine learning processes in the medical field," for the needs of the Department of Computer Science, Systems, and Communications at this university.

## Supervision of Internships and Degree Theses

Total: 83 reports divided as follows:

Bachelor's Degree in Computer Science:	43
Master's Degree in Communication Theory and Technology:	22
Master's Degree in Computer Science:	3
Master's Degree in Data Science:	10
Master's Degree in Artificial Intelligence in Science and Technology:	5

Milan, August 8, 2025

FIRMATO IN ORIGINALE

*I hereby authorize the processing of my personal data included in this CV in accordance with Italian Legislative Decree No. 196 of 30 June 2003 (Personal Data Protection Code), as amended by Legislative Decree No. 101 of 10 August 2018, and with Regulation (EU) 2016/679 (General Data Protection Regulation – GDPR), for the purposes of selection and management of my application.*