

Mario Verdicchio

Dati personali

Cittadinanza italiana

Indirizzo ufficio
Università degli Studi di Bergamo
Dipartimento di Lingue, Letterature e Culture Straniere
Piazza Rosate 2
24129 Bergamo, Italy

Titoli di studio e abilitazioni

Abilitazione Scientifica Nazionale alle funzioni di professore universitario di Seconda Fascia nel Settore Concorsuale 11/C2 - Logica, Storia e Filosofia della Scienza (2023)

Dottorato di ricerca in ingegneria dell'informazione, Politecnico di Milano
Tesi: "A Formal Model for Agent Communication Languages" (2004)

Laurea in ingegneria informatica (summa cum laude), Politecnico di Milano
Tesi: "E-commerce technologies for Web-based Supply Chain Management" (2000)

Lingue straniere

Inglese (fluente sia scritto sia parlato)
Giapponese (fluent parlato, buono scritto)
Tedesco (buono sia scritto sia parlato)
Francesce (discreto sia scritto sia parlato)
Spagnolo (discreto sia scritto sia parlato)

Temi di ricerca

Intelligenza artificiale
Arte informatica
Etica e filosofia dell'informatica

Attività di ricerca

Ricercatore MIUR
Università degli Studi di Bergamo (2005 - ora)

Assegnista di ricerca
Progetto Anemone (cofinanziato dal MIUR 2003/04), Politecnico di Milano (2004 - 2005)

Dottorato di ricerca (Ingegneria dell'informazione, 16° ciclo) Politecnico di Milano

Progetti di ricerca

"CHANGES (Cultural Heritage Active Innovation for Nex-Gen Sustainable Society)" (2022 - 2026)
Spoke 3 "Biblioteche digitali, archivi e filologia"

"In search for feasible technological support of people in rural India" (2018)
Global Challenges Research Fund: 2,300£

“PoSecCo” - Policy and Security Configuration Management (2010 - 2013)
EU 7th Framework Programme project on future Internet services
Total EU funding: 11,919,812€ (consortium), 888,100€ (University of Bergamo)

“PrimeLife” - Privacy and Identity Management in Europe for Life (2008 - 2011)
EU 7th Framework Programme project on sustainable digital identity
Total EU funding: 10,200,000€ (consortium), 554,100€ (University of Bergamo)

“GateCom” - Gateway-based architecture for content-centric community networking (2011 - 2013)
MIUR (Ministry of University and Research) project on network-based content sharing

“Anemone” - A Network of Multi-Agent Platforms for Academic Communities (2003 - 2004)
MIUR project on agent-based cooperative systems for academic communities

Attività didattica

Docente, Lingue, Letterature e Culture Straniere, Università degli Studi di Bergamo
Informatica per le Digital Humanities (6 crediti, 2020 - ora)
Information Technologies for Digital Humanities (6 crediti, 2023 - 2025)
Mapping e Big Data (6 crediti, 2019 - 2023)
Sistemi Web per il turismo (5 crediti, 2013 - 2017)
Informatica per la comunicazione (5 crediti, 2012 - 2017)
Informatica per le discipline umanistiche 2 (5 crediti, 2011 - 2012)

Docente, Lettere, Filosofia e Comunicazione, Università degli Studi di Bergamo
Human-Computer Interaction and Interfaces (6 crediti, 2023 - 2025)
Digital User Experience (6 crediti, 2023 - 2025)
Teorie e tecniche della progettazione Web (6 crediti, 2019 - 2023)

Docente, Scuola di Ingegneria, Università degli Studi di Bergamo
Intelligenza Artificiale (6 crediti, 2020 - 2023)
Progettazione, Algoritmi e Computabilità (6 crediti, 2020 - 2023)
Informatica teorica (6 crediti, 2005 - 2017)
Informatica (6 crediti, 2009 - 2017)
Sistemi operativi (6 crediti, 2005 - 2008)
Progetto d'informatica 3 (5 crediti, 2004 - 2005)

Esercitatore, Scuola di Ingegneria, Università degli Studi di Bergamo
Programmazione Avanzata (2021 - 2023)
Informatica 1 (2007 - 2008)
Informatica 3 (2007 - 2008)
Progetto d'informatica 3 (2005 - 2007)

Docente, School of Media, Culture and Society, University of the West of Scotland
Cross-media Collaborative Project (10 crediti, 2017-2018)
Digital Media Practice A (10 crediti, 2017-2018)
Digital Media Practice B (10 crediti, 2017-2018)

Docente, Politecnico di Milano
Informatica (10 crediti, Faculty I, 2004 - 2007)
Informatica 2 (6 crediti, Faculty V, 2004 - 2005)

Esercitatore, Politecnico di Milano
Artificial Intelligence (Prof. Colombetti, Faculty V, 2003 - 2017)
Informatica 2 (Prof. Baresi, Faculty V, 2001 - 2004)

Lezioni su invito

“Filosofia dell’intelligenza Artificiale: Questioni etiche ed estetiche” (2026)
Filosofia InCircolo, Milano, Italy

“生成 A I は実際に何を生成するのか? [*Che cosa genera davvero l’IA generativa?*]” (2026)
Nagoya University, Nagoya, Japan

“Foundations of Language, Semantics, Signs, and Symbol Grounding” (2026)
Nagasaki University, Nagasaki, Japan

“道徳的価値と計算、人工知能時代における倫理的課題 [*Valori morali e computazione, l’etica nell’era dell’IA*]” (2025)
Chūkyō University, Nagoya, Giappone

“Philosophical Implications of Digital Art” (2025)
Tōhoku Gakuin University, Sendai, Giappone

“Arte e IA: processo alle intenzioni.” (2025, con C. Scatturin)
Milan Digital Week, Milano, Italia

“Intelligenza artificiale: tra definizioni e narrazioni.” (2025)
Circolo Culturale Argo, Soncino (CR), Italia

“Come facciamo a distinguere un essere umano da un’IA?” (2025)
Associazione Filò – Il filo del pensiero, online

“L’intelligenza artificiale: sfide ed opportunità.” (2025)
Banca di Credito Cooperativo, Caravaggio (BG), Italia

“I vari sensi dell’intelligenza artificiale.” (2024)
Università del Piemonte Orientale, Alessandria, Italia

“Le linee dell’intelligenza artificiale: dalla demarcazione all’extrapolazione.” (2024)
Università del Piemonte Orientale, Alessandria, Italia

“Il senso del digitale nell’arte.” (2024)
Università del Piemonte Orientale, Novara, Italia

“L’intelligenza artificiale e le persone: un confronto di autonomie.” (2024)
Università del Piemonte Orientale, Novara, Italia

“Was ist intelligent in Künstliche Intelligenz? [*Che cos’è intelligente nell’intelligenza artificiale?*]” (2024)
Pandion AG, Berlino, Germania

“Riflessioni sull’impatto dell’intelligenza artificiale nell’attività della Pubblica Amministrazione.” (2024)
Città Metropolitana di Milano, Milano, Italia

“Artificial Intelligence: What it means and what it means to use it. An ethical approach.” (2024)
Netzwerk Architektur Export Patentreffen, Berlin, Germania

“Le affascinanti ma pericolose metafore dell’intelligenza artificiale.” (2024)
Ateneo di Scienze, Lettere, Arti, Bergamo, Italia

“Analisi, Effetti, Rimedi all’Intelligenza Artificiale.” (2024)
Noesis, Auditorium Liceo Scientifico Mascheroni, Bergamo, Italia

“Intelligenza Artificiale: concetti e contatti.” (2024)
CGIL e Università degli studi di Bergamo, Italia

“Gender bias. Un problema tecnologico?” (2023)
Comitato Unico di Garanzia, Università degli studi di Bergamo, Italia

“Radioactive futures of environmental aesthetics” (2023)
Bauhaus-Universität Weimar, Germania

“Computazione e Arte. L'ingrediente segreto.” (2023)
Mathesis, Bergamo, Italia

“Political art with computers: revolution or contradiction?” (2022)
University of Porto, Portogallo

“We have always lived in a post-truth era.” (2022)
Bauhaus-Universität Weimar, Germania

“Thinking/Creating/Rethinking/Recreating – Computers and the Arts” (2021)
Universidade de Aveiro, Portogallo

“Artificial Intelligence: What is it and what is it to you” (2021)
Università IULM, Milano, Italia

“Transhumanism as extreme Co-production” (2021)
Bauhaus-Universität Weimar, Germania

“Ethics + AI ≠ Ethical AI. The Additivity Fallacy” (2021, con D. Johnson)
Univesität Wien, Austria

“How (not) to think about our technological future” (2021)
Bauhaus-Universität Weimar, Germania

“Doing it with Humanoid Robots” (2020)
Shenkar College of Engineering and Design, Ramat Gan, Israele

“The Art in Digital Art” (2020)
Università di Pisa, Italia

“The Digital in Digital Art”
Kunstuniversität, Graz, Austria (2019)
University of Lisbon, Portugal (2018)
University of Porto, Portugal (2018)

“Can digital technology help anthropology, geography and sociology?” (2018)
King's College, London, Regno Unito

“The black box inside the black box: The problem with deep learning” (2018)
Politecnico di Milano, Italia

“Artificial Personhood or What makes an artifact a person” (2017)
University of Virginia, Charlottesville, USA

“The story of Maeve in Westworld and the concept of personhood” (2017)
Chukyo University, Nagoya, Giappone

Ricercatore in visita e scuole estive

Nagoya University, Nagoya, Giappone (2025 - present)
Humanity Center for Anthropocenic Actors and Agency
Ricerca sulla “agentività” artificiale con la Prof. Yasuko Nakamura ed il Prof. Hideki Ōhira

Chūkyō University, Nagoya, Giappone (2021 - present)
School of Global Studies
Ricerca sull'epistemologia e l'etica delle machine con il Prof. Shoji Nagataki

Technische Universität Berlin, Berlin, Germania (2019 - present)
Institut für Werkzeugmaschinen und Fabrikbetrieb
Ricerca sull'etica dell'intelligenza artificiale con la Prof. Sabine Ammon

University of Virginia, Charlottesville, USA (2016 - ora)
Science, Technology & Society, Department of Engineering & Society
Ricerca sull'etica delle nuove tecnologie con la Prof. Deborah G. Johnson

School of Machines, Making and Make-Believe, Berlin, Germania (2018)
“Reality?” – Arte, Tecnologia e Augmented Reality

School of Machines, Making and Make-Believe, Berlin, Germania (2014)
“Let's Get Physical!” – Physical Computing, Arduino, 3D Printing e Laser Cutting
IBM Zurich Research Laboratory, Zurich (2008 - 2010)
per il progetto EU FP7 “PrimeLife”

Department of Computing, Imperial College, London, Regno Unito (2002)
per il programma British 2001/2002 (collaborazione Inghilterra-Italia per la ricerca e l'educazione superiore)

The Thirteenth European Summer School in Logic Language and Information (ESSLLI), Helsinki, Finlandia (2001)

The Third European Agent Systems Summer School (EASSS), Prague, Repubblica Ceca (2001)

Attività di conferenze

Cofondatore di the International Conference on Computation, Communication, Aesthetics and X (xCoAx)
The 14th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2026, Torino) – *Chair*
Philosophische Perspektiven zum ethischen Status der Technik / Prospettive filosofiche sullo status etico della tecnologia
Cooperazione italo-tedesca nel campo delle scienze umane e sociali (Villa Vigoni, Menaggio, 2025) – *Co-chair*
The 13th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2025, Dundee) – *Organizzatore*
Anthropocene Calling 2: Humans, Animals, and Machines (Monastero di Astino, Bergamo, 2025) – *Chair*
The 12th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2024, Treviso) – *Chair*
The 11th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2023, Weimar) – *Organizzatore*
The 10th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2022, Coimbra) – *Organizzatore*
The 9th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2021, ibrida) – *Organizzatore*
The 8th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2020, online) – *Organizzatore*
Digital Humanities and Immersive Technologies: Ethical Issues (31 ottobre 2019, Bergamo) – *Chair*
The 5th International Conference on the History and Philosophy of Computing (HaPoC 2019, Bergamo) – *Chair*
The 7th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2019, Milano) – *Chair*
Aesthetic Glitches, Enhanced Performances (Centre for Contemporary Arts, Glasgow, 2019) – *Moderatore*
The 6th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2018, Madrid) – *Organizzatore*
The 5th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2017, Lisbon) – *Organizzatore*
The 4th International Conference on Computation, Communication, Aesthetics and X (xCoAx 2016, Bergamo) – *Chair*
The 3rd International Conference on Computation, Communication, Aesthetics and X (xCoAx 2015, Glasgow) – *Organizzatore*
The 2nd International Conference on Computation, Communication, Aesthetics and X (xCoAx 2014, Porto) – *Organizzatore*
The 1st International Conference on Computation, Communication, Aesthetics and X (xCoAx 2013, Bergamo) – *Chair*

Comunicazioni a conferenze

M. Verdicchio

“Consuetudine e tecnologia: l’affordance come matrice del comportamento”

Convegno giuridico “Cybersicurezza e consuetudine: Tecnologia e fonti del diritto”

Università degli studi del Piemonte Orientale, Novara, Italy (2026)

M. Verdicchio

“Contingencies in Art and AI”

Art in the Age of Artificial Intelligence, Università di Roma Tor Vergata, Roma (2025)

M. Verdicchio

“Azioni e intenzioni nell’arte digitale.”

Convegno PRIN PNRR 2022 “Il diritto alla bellezza tra istanze di protezione e inclusione”

Diritto alla bellezza e innovazione tecnologica – L’arte alla prova dell’intelligenza artificiale, Taranto (2025)

M. Verdicchio

“The Machinocene.”

Anthropocene Calling 2: Humans, Animals, and Machines, Monastero di Astino, Bergamo (2025)

M. Verdicchio

“The Risks of the AI Coproduction of Intelligence.”

parte della tavola rotonda no.37 “Humanity Revisited: Navigating a World Shaped by AI”

XXV World Congress Philosophy, Università La Sapienza, Roma (2024)

M. Verdicchio

“Anthropocene: The Other Sociotechnical Blindness.”

Human, Philosophy, Technology and Arts in the Age of Anthropocene, Università di Roma Tor Vergata, Roma (2024)

M. Verdicchio

“Computers and Freedom in Art”

The Society for Philosophy and Technology Conference (SPT 2021), online (2021)

D. Johnson, *M. Verdicchio*

“Ethics + AI ≠ Ethical AI. The Additivity Fallacy”

Embedding AI in Society Symposium, online (2021)

M. Verdicchio

“The Wilderness Downtown: Net Art in the 21st Century”

Annual Meeting of the Society for the History of Technology 2019, Milano (2019)

M. Verdicchio

“When immersive technology becomes emotive technology”

Global Fusion 2018, Charlottesville, USA (2018)

M. Verdicchio

“The Freedom (or lack thereof) of Computer Art”

4th International Conference on the History and Philosophy of Computing (HaPoC 2017), Brno, Repubblica Ceca (2017)

D. Johnson, *M. Verdicchio*

“Why Robots Should Not Be Treated Like Animals”

Ethics of Technology: The Future agenda, 10 Years of 4TU.Ethics, Enschede, Paesi Bassi (2017)

D. Johnson, *M. Verdicchio*

“The Agency of Software: The Volkswagen Emission Fraud Case”

CEPE/ETHICOMP 2017, Torino (2017)

M. Verdicchio

“Can Computing in Art Renew the Debate on Art?”

2nd International Conference on the History and Philosophy of Computing (HaPoC 2013), Paris, Francia (2013)

M. Verdicchio

“Aesthetic Issues and Computers: Then and Today”

18th International Conference of the Society for Philosophy and Technology (SPT 2013), Lisbon, Portogallo (2013)

Pubblicazioni

Riviste

M. Verdicchio

“Le affascinanti ma pericolose metafore dell’intelligenza artificiale”

Atti dell’Ateneo di Scienze Lettere Arti di Bergamo, volume LXXXVII: 223-236 (2025)

M. Verdicchio

“Artificial Intelligence in art: A contingency of contingencies”

Studi di Estetica, anno LII, IV serie, 3/2024: 167-193 (2025)

A. Pitozzi, M. Verdicchio

“Digital/Electronic Literature from the USA: Theories, Forms and Practices – An introduction”

Iperstoria - Journal of American and English studies, n. 24:1-8 (2024)

M. Verdicchio

“Ekphrasis and prompt engineering – A comparison in the era of Generative AI”

Studi di Estetica, anno LII, IV serie, 1/2024: 59-78 (2024)

D.G. Johnson, M. Verdicchio

“The sociotechnical entanglement of AI and values”

AI & SOCIETY, 1-10 (2024)

D.G. Johnson, M. Verdicchio

“Ethical AI is Not about AI”

Communications of the ACM, 66(2):32-34 (2023)

M. Verdicchio

“Che cosa genera davvero l’IA generativa?”

Paradoxa, 17(4):29-43 (2023)

M. Verdicchio

“Radioactive futures of environmental aesthetics”

Studi di Estetica, anno L, IV serie, 3/2022: 107-124 (2022)

F. Fossa, C. Moruzzi, M. Verdicchio

“Introduction [to Creativity in the light of AI]”

Odradek - Studies in Philosophy of Literature, Aesthetics and New Media Theories, 8(1):7-12 (2022)

M. Verdicchio, A. Perin

“When Doctors and AI Interact: on Human Responsibility for Artificial Risks”

Philosophy & Technology, 35(11): 28 pp. (2022)

M. Verdicchio

“Editorial: Computing in *this* world”

Interdisciplinary Science Reviews, 46(4): 427-429 (2021)

D. Johnson, *M. Verdicchio*
“Constructing the meaning of humanoid sex robots”
International Journal of Social Robotics 12: 415-424 (2020)

D. Johnson, *M. Verdicchio*
“AI, agency and responsibility: the VW fraud case and beyond”
AI & Society, 34(3): 639-647 (2019)

M. Verdicchio
“The digital in digital art”
Studi di Estetica, anno XLVI, IV serie, 3/2018: 31-57 (2018)

D. Johnson, *M. Verdicchio*
“Why robots should not be treated like animals”
Ethics and Information Technology, 20(4): 291-301 (2018)

M. Verdicchio
“Saremo padroni o schiavi dell’informatica del futuro?”
Mondo Digitale 72, 26 p., (2017)
Available in English as “Will we be masters or slaves of the Information Technology of the future?” at:
https://www.researchgate.net/publication/322567814_Will_we_be_masters_or_slaves_of_the_Information_Technology_of_the_future

D. Johnson, *M. Verdicchio*
“Reframing AI Discourse”
Minds and Machines 27(4): 575-590 (2017)

D. Johnson, *M. Verdicchio*
“AI Anxiety”
Journal of the Association for Information Science and Technology 68: 2267-2270 (2017)

V. Schiaffonati, *M. Verdicchio*
“Rethinking Experiments in a Socio-Technical Perspective: The Case of Software Engineering”
Philosophies, 1(1):87-101 (2015)

M. Verdicchio
“Informatica e arte: contraddizione, rivoluzione, evoluzione”
Mondo Digitale, 57:1-20 (2015)

V. Schiaffonati, *M. Verdicchio*
“Computing and Experiments”
Philosophy & Technology 27(3): 359-376 (2014) ISSN: 2210-5441

C. A. Ardagna, S. De Capitani di Vimercati, S. Paraboschi, E. Pedrini, P. Samarati, *M. Verdicchio*
“Expressive and Deployable Access Control in Open Web Service Applications”
IEEE Transactions on Services Computing, 4(2): 96-109 (2011) ISSN: 1939-1374

C.A. Ardagna, J. Camenisch, M. Kohlweiss, R. Leened, G. Neven, B. Priem, P. Samarati, D. Sommer, *M. Verdicchio*
“Exploiting cryptography for privacy-enhanced access control: A result of the PRIME Project”
Journal of Computer Security, 18(1): 123-160 (2010) ISSN: 0926-227X

M. Verdicchio, M. Colombetti
“Communication Languages for Multiagent Systems”
Computational Intelligence, 25(2): 136-159 (2009) ISSN: 0364-0213

N. Fornara, F. Viganò, *M. Verdicchio*, M. Colombetti
“Artificial institutions: a model of institutional reality for open multiagent systems”
Artificial Intelligence and Law, 16(1): 89-105 (2008) ISSN: 0924-8463

M. Colombetti, N. Fornara, *M. Verdicchio*
“Linguaggio e realtà sociale nei sistemi di agenti artificiali”
Networks: a journal of the philosophy of artificial intelligence and cognitive sciences, 3(1): p.20 (2003) ISSN: 1126-4780

M. Verdicchio, M. Colombetti
“Commitments for Agent-Based Supply Chain Management”
ACM SIGecom Exchanges, 3(1): p.11 (2002) EISSN: 1551-9031

Curatele di riviste

A. Pitozzi, *M. Verdicchio*
“Digital/Electronic Literature from the USA: Theories, Forms and Practices”
Iperstoria - Journal of American and English studies, n. 24 (2024)

F. Fossa, C. Moruzzi, *M. Verdicchio*
“Creativity in the light of AI”
Odradek - Studies in Philosophy of Literature, Aesthetics and New Media Theories, 8(1) (2022)

M. Verdicchio
“Computing in the world”
Interdisciplinary Science Reviews, 46(4) (2021)

A. Rangel, L. Ribas, *M. Verdicchio*, M. Carvalhais
“CITAR Journal, Volume 12, No. 3—Special Issue: xCoAx 2020”
JSTA: Journal of Science and Technology of the Arts 12(3): 5-7 (2020)

A. Rangel, M. Carvalhais, L. Ribas, *M. Verdicchio*
“CITAR Journal, Volume 11, No. 2—Special Issue: xCoAx 2019”
CITAR: Journal of Science and Technology of the Arts 11(2): 1-2 (2019)

A. Rangel, L. Ribas, *M. Verdicchio*, M. Carvalhais
“CITAR Journal, Volume 10, No. 3—Special Issue: xCoAx 2018”
CITAR: Journal of Science and Technology of the Arts 10(3): 1-2 (2018)

L. Ribas, A. Rangel, *M. Verdicchio*, M. Carvalhais
“CITAR Journal, Volume 9, No. 3—Special Issue: xCoAx 2017”
CITAR: Journal of Science and Technology of the Arts 9(3): 1-2 (2017)

A. Clifford, A. Rangel, *M. Verdicchio*, M. Carvalhais
“CITAR Journal, Volume 8, No. 1—Special Issue: xCoAx 2016”
Journal of Science and Technology of the Arts 8(1): 1-2 (2016)

A. Clifford, A. Rangel, *M. Verdicchio*
“CITAR Journal, Volume 7, No. 1—Special Issue: xCoAx 2015”
Journal of Science and Technology of the Arts 7(1): 1-1 (2015)

M. Carvalhais, A. Rangel, *M. Verdicchio*
“CITAR Journal, Volume 6, No. 1—Special Issue: xCoAx 2014”
Journal of Science and Technology of the Arts 6(1): 1-2 (2014)

Libri

C. Scatturin, *M. Verdicchio*

“Che cos’è il digitale”

Le bussole, Carocci Editore, Roma, pp. 112 (2025) ISBN: 9788829028054

M. Verdicchio

“Che cos’è un computer”

Le bussole, Carocci Editore, Roma, pp. 144 (2023) ISBN: 9788829021345

M. Verdicchio

“L’informatica per la comunicazione”, terza edizione

Ed. Franco Angeli, Milano, pp. 280 (2023) ISBN: 978-883-514-910-1

M. Verdicchio

“L’informatica per la comunicazione”, seconda edizione

Ed. Franco Angeli, Milano, pp. 266 (2016) ISBN: 978-889-174-437-1

M. Verdicchio

“L’informatica per la comunicazione”

Ed. Franco Angeli, Milano, pp. 229 (2015) ISBN: 978-88-917-2686-5

Curatele di libri

M. Verdicchio, L. Ribas, A. Rangel, M. Carvalhais

“xCoAx 2026: Proceedings of the Fourteenth Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 472 (2026) ISBN: 978-989-9279-30-8

M. Noorman, *M. Verdicchio*

“Computer Ethics Across Disciplines. Deborah G. Johnson and Algorithmic Accountability”

Springer, Cham, pp. IX, 165 (2025) ISBN: 978-3-031-87973-9

M. Carvalhais, *M. Verdicchio*, L. Ribas, A. Rangel

“xCoAx 2025: Proceedings of the Thirteenth Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 427 (2025) ISBN: 978-989-9279-05-6

M. Carvalhais, *M. Verdicchio*, L. Ribas, A. Rangel

“xCoAx 2024: Proceedings of the Twelfth Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 445 (2024) ISBN: 978-989-9049-73-4

M. Carvalhais, *M. Verdicchio*, L. Ribas, A. Rangel

“xCoAx 2023: Proceedings of the Eleventh Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 445 (2023) ISBN: 978-989-9049-52-9

M. Carvalhais, A. Rangel, L. Ribas, *M. Verdicchio*

“The Book of X: 10 years of Computation, Communication, Aesthetics & X”

i2ADS: Research Institute in Art, Design and Society, Porto, pp. 380 (2022) ISBN: 978-989-9049-25-3

M. Verdicchio, M. Carvalhais, L. Ribas, A. Rangel

“xCoAx 2022: Proceedings of the Tenth Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 433 (2022) ISBN: 978-989-9049-33-8

M. Verdicchio, M. Carvalhais, L. Ribas, A. Rangel

“xCoAx 2021: Proceedings of the Ninth Conference on Computation, Communication, Aesthetics & X”

Universidade do Porto, Porto, pp. 629 (2021) ISBN: 978-989-9049-06-2

M. Verdicchio, M. Carvalhais, L. Ribas, A. Rangel
“xCoAx 2020: Proceedings of the Eighth Conference on Computation, Communication, Aesthetics & X”
Universidade do Porto, Porto, pp. 478 (2020) ISBN: 978-989-746-266-5

M. Verdicchio, M. Carvalhais, L. Ribas, A. Rangel
“xCoAx 2019: Proceedings of the Seventh Conference on Computation, Communication, Aesthetics & X”
Universidade do Porto, Porto, pp. 382 (2019) ISBN: 978-989-746-220-7

A. Rangel, L. Ribas, M. Verdicchio, M. Carvalhais
“xCoAx 2018: Proceedings of the Sixth Conference on Computation, Communication, Aesthetics & X”
Universidade do Porto, Porto, pp. 267 (2018) ISBN: 978-989-746-171-2

L. Ribas, A. Rangel, M. Verdicchio, M. Carvalhais
“xCoAx 2017: Proceedings of the Fifth Conference on Computation, Communication, Aesthetics & X”
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