

**ELENA ESPOSITO**

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## EDUCATION

2013	Abilitazione Scientifica Nazionale Italy SPS/08 and SPS/07	
2001	Habilitation	University Bielefeld
1990	P.h.D.	University Bielefeld
1987	Laurea Philosophy	University Bologna ( <i>summa cum laude</i> )
1983	Laurea Sociology	University Bologna ( <i>summa cum laude</i> )

## ACADEMIC APPOINTMENTS

2016-	Full Professor, Fakultät für Soziologie, Universität Bielefeld
2019-	Full Professor, Dipartimento di Scienze Politiche e Sociali - Università di Bologna
2001-2019	Associate Professor, Facoltà di Scienze della Comunicazione e dell'Economia, Università di Modena e Reggio Emilia
2000-2001	Assistant Professor, Facoltà di Lettere e Filosofia, Università di Modena e Reggio Emilia
1993-2000	Assistant Professor, Facoltà di Sociologia, Università di Urbino
1991-1992	Instructor, Facoltà di Scienze Politiche, Università di Bologna-Forlì

## VISITING ASSIGNMENTS

September 2024	Visiting Scholar at Italian Academic Centre, Cornell Tech, New York
Spring 2022 and 2019	Visiting Professor Ecole des hautes études en sciences sociales, Paris
August 18 – 24, 2019	Faculty member at the IFK-Sommerakademie “Happy End – Prospekte und Narrationen möglicher Zukunft”, Linz.
June 24 – 28, 2019	Faculty member at the Stanford–Leuphana Summer Academy “Against presentism. Historicizing mediality”, Berlin.
2017	Visiting Scholar at the Max Planck Institute for the History of Science, Berlin
2015-16	Niklas Luhmann Distinguished Visiting Chair in Social Theory – Bielefeld University
2015	Visiting Scholar at the New School for Public Engagement, New York
2014	Guest Professor, Meiji University (Japan)
2007-08, 2008-09, 2009-10	Visiting Professor, Università di Scienze Gastronomiche in Pollenzo (Asti)

2005 Visiting Professor, P.h.D. Program “Globalización económica y sociedad de la información” , University Oviedo

1998-99 and 1999-2000 Visiting Professor, Institut für Soziologie, University Vienna

1999-2000 Professor, Facoltà di Scienze della Formazione, University Urbino

### **FELLOWSHIPS AND AWARDS**

2025-26 *Center for Advanced Study in the Behavioral Sciences (CASBS), Stanford, Fellow*

2021 *Falling Walls 2021: Winner in Social Sciences and Humanities. <https://falling-walls.com/people/elena-esposito/>*

2021 Winter *Auerbach Institute for Advanced Study at Cologne University, Fellow*

2019-20 *Wissenschaftskolleg (Institute for Advanced Study) Berlin, Fellow*

2017 Fall *Institute for Advanced Study in Humanities and Social Sciences at Zhejiang University (ZJU-IAS), Fellow*

2016 Fall *MECS - Media Cultures of Computer Simulation at Leuphana University Lüneburg, Fellow*

2014 Spring *Institute of Advanced Studies University of Warwick, Fellow*

2014 Fall *Italian Academy for Advanced Studies in America at Columbia University, Fellow*

2013 Fall *Internationales Kolleg für Kulturtechnikforschung und Medienphilosophie Weimar, Fellow*

1998-99 *Alexander von Humboldt Fellowship (resumption 2002)*

1989-90 *Postgraduate Fellowship University Bielefeld*

1988-89 *CNR-NATO postgraduate Fellowship,*

1988 *EC Summer University Fellowship, Berlin,*

1986-88 *DAAD postgraduate Fellowship, University Bielefeld*

2009 *Ladislao Mittner Award, DAAD and Ateneo Italo-Tedesco*

1993 *Lelli Award for the best sociology thesis for *L'operazione di osservazione* Fellowship Center for Advanced Study in the Behavioral Sciences (CASBS), Stanford, 2025/2026.*

Finalist of the Prize *Libro dell'Anno sull'Innovazione* of the Galileo Festival della Scienza e dell'Innovazione (<https://www.galileofestival.it/libro-dellanno-sullinnovazione/>) for the book „Comunicazione artificiale“.

## GRANTS

**ERC Advanced Grant 2018** *The Future of Prediction: The Social Consequences of Algorithmic Forecast in Insurance, Medicine and Policing* – PI (2.084.429 Euros)

2021- 2029. Co-PI Project B01 “A dialog-based approach to explaining machine learning models”. Collaborative Research Center (**TRR 318**) *Constructing Explainability*, Universities Bielefeld and Paderborn.

2023-2025. PI of the WP 8.4: *The Social Implications of AI: Data and Models, Acceptance and Use of Generative AI and ADMs*, in the project FAIR – Future Artificial Intelligence Research of the **Extended Partnership: Artificial Intelligence. Fundamental aspects**, financed by Next Generation EU with altogether 110 million euros.

2022-2025. Co-PI of the project DEMOPE: Democracy under Pressure, Italian Ministry for University and Research (**PRIN 2020 MIUR**).

2024- Member of the *Interdisziplinäre Arbeitsgruppe Sozial- und kulturwissenschaftliche Perspektiven auf technische Langfristprojekte* of the Berlin-Brandenburgische Akademie der Wissenschaften (<https://www.bbaw.de/forschung/sozial-und-kulturwissenschaftliche-perspektiven-auf-technische-langfristprojekte>)

**Volkswagen Foundation** – Teilprojektleitung im Projekt *Bots Building Bridges Unbiased Bots That Build Bridges (U3B): Technical Systems that Support Deliberation and Diversity as a Chance for Political Discourse*, gefördert durch die Volkswagenstiftung im Rahmen des Programmes [Künstliche Intelligenz - Ihre Auswirkungen auf die Gesellschaft von morgen](#)", 2021-2026. (1.500.000 Euros)

**PRIN 2017 MIUR** *Artificial Intelligence and Legal Studies Perspectives* – Co-PI.

**Volkswagen Foundation** – *Planning Grant Proposal 2019* “Unbiased Bots That Build Bridges (U3B): Technical Systems that Support Deliberation and Diversity as a Chance for Political Discourse” – Co-PI (250.000 Euros).

2016-2018 **The Leverhulme Trust**, International collaborative network *Performances of Value: Competition and Competitions Inside and Outside Markets* between CIM at Warwick, IOA at Copenhagen Business School, CSO at Sciences Po, CSI at Ecole des Mines, DCE at UNIMORE - Co-PI. <http://blogs.cim.warwick.ac.uk/valueperformances/>

**PRIN 2009 MIUR** “I valori socio-giuridici nell’attuale fase di adattamento costituzionale a seguito dell’allargamento dell’Unione Europea: un approccio socio-sistemico” – local referent Dipartimento di Comunicazione e Economia, University Modena e Reggio Emilia.

Participating researcher in the Fokusbereich *Foundations and Implications of Human-AI Teamwork (FAITH)*, University Bielefeld, 2025.

Participating researcher in the application of CITEC as a Central Academic Institute, University Bielefeld, 2025.

Participating researcher in the Proposal for a Research Unit *Uses of Uncertainty. The Science and Society Perspective*, DFG, 2024.

## MEMBERSHIPS

2014- **Editor in chief** of *Sociologica. International Journal of Sociological Debate* (Il Mulino and University Bologna) <https://sociologica.unibo.it/>

1992-95 **Editor in chief** of *Teoria sociologica* (Angeli – Milano)

2025- Selection Committee of the Bielefeld Science Award  
(<https://www.uni-bielefeld.de/uni/profil/preise-ehrungen/bielefelder-wissenschaftspreis/jury/index.xml>)

2024 - Executive Board, *Institute for Studies of Science* in Bielefeld (ISoS) (<https://www.uni-bielefeld.de/zwe/isos/>)

2024-25 - Search Committee for the rector of the Wissenschaftskolleg in Berlin.

2021- *Weizenbaum Journal of the Digital Society* (Weizenbaum Institute of the Networked Society)

2020- *Academia Europaea*

2017- *Archiv für Mediengeschichte* (Fink Verlag – München)

2015- *Literature – Culture – Economy* (Peter Lang Verlag - Frankfurt am Main)

2014 - *Filosofie dell'economia e Coincidentia Oppositorum* (Mimesis Edizioni – Milano)

2012- *Teoria sociale* (Orthotes – Salerno)

2007- *Trivium. Franco-German journal of the humanities and social sciences* (Fondation Maison des sciences de l'homme – Paris)

2003- *Erwägen Wissen Ethik* (Lucius & Lucius – Stuttgart)

2000-06 *Soziale Systeme* (Lucius & Lucius – Stuttgart)

2025- Member of the Scientific Committee of the Research Group *Funktionen und Folgen Künstlicher Intelligenz in der Wissenschafts- und Hochschulorganisation – Organisationsanalyse und Transferentwicklung*, Bundesministerium für Bildung und Forschung

2024- Member of the *Interdisziplinäre Arbeitsgruppe Sozial- und kulturwissenschaftliche Perspektiven auf technische Langfristprojekte* of the Berlin-Brandenburgische Akademie der Wissenschaften.

2023- Member of the team of Academic Experts in the *Scoping Workshop Towards a new UNU institute on Big Data and Artificial Intelligence for Managing Human Habitat Change*, Bologna.

2022- Member of the AI Ethics Advisory Board by the *Institute for Experiential AI* Northeastern University

2022- Member of the Steering Committee of the project *Re-Konstruktionen*, Deutsches Historisches Institut Rome and Villa Vigoni Zentrum Menaggio

2022-Member of the Steering Committee of Jean Monnet Module EU.C.L.I.D.E. - European Contract Law In Digital Environments for citizen empowerment

2020-2021 Member of the Academic Committee of the The Martin Buber Society of Fellows in the Humanities and Social Sciences

2020- Member of the Board of the Dottorato Reggio Childhood Studies, University Modena e Reggio Emilia

2019- Member of the Institute for Interdisciplinary Studies of Science (I<sup>2</sup>SoS), University Bielefeld

2018- Member of the commission zum Akademienprogramm of the Nordrhein-Westfälische Akademie der Wissenschaften und der Künste

2017- Associate Member of the SFB 1288 “Practices of Comparing. Ordering and Changing the World“, University Bielefeld (D)

2017- Member of the International Advisory Board of the Internationales Forschungszentrum Kulturwissenschaften (IFK), Vienna

2014- Member of the Academic Advisory Board of the Zentrum für interdisziplinären Forschung (ZiF) of the University Bielefeld (D)

2017- 2019 Member of the Board of the Dottorato in Sociologia e ricerca sociale, University Bologna

2013- 2014 Member of the Board of the Institute for Advanced Study in Media Cultures of Computer Simulation, Leuphana Universität Lüneburg (D)

2010- 2015 Member of the Board of the Scuola di Dottorato in Scienze Umanistiche, University Modena e Reggio Emilia

2010-2017 Member of the Lenkungsgremium Medienwissenschaftliche Symposien, DFG.

2025– Evaluator of the Independent Social Research Foundation

2024– Evaluator of the Research Foundation Flanders (FWO)

2022– Evaluator of Swiss National Science Foundation (SNSF) Advanced Grants

2017– Evaluator of the HERA Joint Research Programme

2017– Evaluator of the LOEwe Initiative of the Land Hessen

2015- Evaluator of the Deutscher Akademischer Austausch Dienst (DAAD)

2023- Evaluator of the Fondo italiano per la Scienza (FIS)

2013 - Referee for ERC Advanced Grants

2010- 2015 Member of the Evaluation Committee Villa Vigoni Project

## PUBLICATIONS

### Books

*Kommunikation mit unverständlichen Maschinen*. Wien-Salzburg: Residenz Verlag, 2024. Open Access: <https://pub.uni-bielefeld.de/record/2988982>.

*Artificial Communication: How Algorithms Produce Social Intelligence*. Cambridge: MIT Press, 2022. Open Access: <https://direct.mit.edu/books/book/5338/Artificial-CommunicationHow-Algorithms-Produce>

Italian translation *Comunicazione artificiale. Come gli algoritmi producono l'intelligenza sociale* Milano: Bocconi University Press, 2022.

Chinese translation 人工沟通: 算法如何生产社会智能 by Weng Zhuangzhuang. Shanghai: Shanghai Jiaotong University Press, 2023.

Spanish translation Santiago (Chile): Fondo de Cultura Económica, forthcoming.

Persian translation Tehran: Hamshahri, forthcoming.

*Ontologien der Moderne* (with René John and Jana Rückert-John) (Eds.), Wiesbaden: Springer VS, 2013.

*Il futuro dei futures. Il tempo del denaro nella finanza e nella società*. Pisa: ETS, 2009.

German translation *Die Zukunft der Futures. Die Zeit des Geldes in Finanzwelt und Gesellschaft*. Heidelberg: Carl Auer, 2010.

English translation *The Future of Futures. The Time of Money in Financing and Society*. Cheltenham: Edward Elgar, 2011.

*Die Fiktion der wahrscheinlichen Realität*. Frankfurt a.M.: Suhrkamp 2007.

revised Italian translation *Probabilità improbabili. La realtà della finzione nella società moderna*. Roma: Meltemi, 2008.

English translation Ch.VI, The Present Future and Future Presents. Pp.151-153 in Verena Gamper (ed.) *Spatial Abstract. Malerei in Raum/Spatial Abstract. Painting in Space*. Wien: Verlag für moderne Kunst, 2016.

*Reform und Innovation in einer unstablen Gesellschaft* (with Giancarlo Corsi) (eds.). Stuttgart: Lucius & Lucius, 2005.

*Die Verbindlichkeit des Vorübergehenden. Paradoxien der Mode*. Suhrkamp: Frankfurt a.M., 2004.

Italian translation *I paradossi della moda. Originalità e transitorietà nella società moderna*. Bologna: Baskerville, 2004.

Spanish translation Mexico City: Universidad Iberoamericana, forthcoming.

*La memoria sociale. Mezzi per comunicare e modi di dimenticare*. Roma-Bari: Laterza, 2001.

extended German translation *Soziales Vergessen. Formen und Medien des Gedächtnisses der Gesellschaft*. Frankfurt a.M.: Suhrkamp 2002.

Spanish translation *Olvido social. Formas y medios de la memoria de la sociedad* by Dario Rodriguez. Santiago del Chile: Ediciones Universidad Diego Portales, 2023.

Japanese translation Tokio: University of Tokio Press, forthcoming.

*Luhmann In Glossario* (with Claudio Baraldi and Giancarlo Corsi). Milano: Angeli, 1995.

Japanese translation Tokio: Kokubun-sha, 2013.

German translation *GLU. Glossar zu Niklas Luhmanns Theorie sozialer Systeme*. Suhrkamp, Frankfurt a.M., 1997.

Spanish translation *GLU. Glosario sobre la teoría social de Niklas Luhmann*. Città del Messico-Gaudalajara-Barcellona: Universidad Iberoamericana, 1996.

English Translation *Unlocking Luhmann. A Keyword Introduction to Systems Theory*. Bielefeld, Transcript, 2021.

Korean translation, forthcoming.

*L'operazione di osservazione*, Milano: Angeli, 1992.

*GLU. Glossario dei termini della teoria dei sistemi sociali di Niklas Luhmann*. Montefeltro: Urbino, 1990.

*Semantica e comunicazione. L'evoluzione delle idee nella prospettiva sociologica di Niklas Luhmann* (with Claudio Baraldi and Giancarlo Corsi). Bologna: CLUEB, 1987.

### **Edited special issues for academic journals**

*Explaining Machines: Social Management of Incomprehensible Algorithms*. Editor of the symposium in *Sociologica*, 16(3), 2022.

*Reflexivität und System. Die Debatte über Ordnung und Selbstorganisation in den 1970er Jahren / Réflexivité et système. Le débat sur l'ordre et l'auto-organisation dans les années 1970* (with Erich Hörl), editor of the issue of *Trivium* 20, 2015. URL: <http://trivium.revues.org>

*Stand und Veränderungen der wissenschaftlichen Publikationen*, editor of the monographic issue of *Soziale Systeme*, 2005(1).

*Il costruttivismo nelle scienze sociali*, editor of the monographic issue of *Teoria sociologica*, 1993(2).

## Articles

- The Context as Resource: Contextual Adaptations and Explanations in the Field (with Fabian Beer). In Philipp Cimiano, Benjamin Paaßen & Anna-Lisa Vollmer (Eds.), *Contextualizing Explanations. Proceedings of the 3rd TRR 318 Conference*. Bielefeld: Bielefeld University Press (2026). 10.64136/gumb4700
- At the Right Time: Temporal Precision in Personalized Medicine (with Dominik Hofmann). *Sociology of Health & Illness*, special issue *Algorithms in Health and Medicine*. 48:e70180 (2026). <https://doi.org/10.1111/1467-9566.70180>
- Answer Engines and Other Communication Partners. *Communication Theory*. 00, 1–9 (2026). <https://doi.org/10.1093/ct/qtaf036>
- Come usare la macchina cieca. P.1-7 in Pilati, F., *Sociologia Digitale 2.0. L'Intelligenza Artificiale Generativa come oggetto e strumento di ricerca*. Milano: Ledizioni (2025) <https://www.ledizioni.it/prodotto/sociologia-digitale-2-0/>.
- Beyond Artificial Intelligence: How Algorithms Communicate without Understanding. *Philosophy and Digitality* 2(1), 2025: 8-16. <https://doi.org/10.18716/pd.v2i1.11657>
- Can Telematics Improve Driving Style? The Use of Behavioral Data in Motor Insurance (with Alberto Cevoloni, Elena Morotti, Lorenzo Romanelli, Riccardo Tisseur & Cristiano Misani). *Big Data and Cognitive Computing* 9(225), 2025. <https://doi.org/10.3390/bdcc9090225>
- Dialogue-based XAI for predictive policing: a field study (with Fabian Beer, Dimitry Mindlin, Sebastian Kost, Isabel Krause, Katharina Schwarz, Kai Seidensticker, Philipp Cimiano). *3<sup>rd</sup> World Conference on eXplainable Artificial Intelligence* (2025). Istanbul: 17-24. [https://ceur-ws.org/Vol-4017/paper\\_03.pdf](https://ceur-ws.org/Vol-4017/paper_03.pdf)
- Does Proactivity Affect Insurance Solidarity and Individual Responsibility? (with Alberto Cevoloni). *British Journal of Sociology* (2025). <https://doi.org/10.1111/1468-4446.13230>
- The Role of Algorithms in Molecular Tumour Boards—Managing the Gap Between Research and Clinic in Precision Medicine (with Dominik Hofmann). *Sociology of Health & Illness* 47, (4), 2025. First published: 02 May 2025 <https://doi.org/10.1111/1467-9566.70040>
- Beyond one-shot explanations: a systematic literature review of dialogue-based xAI approaches (with Dimitry Mindlin, Fabian Beer, Leonie Nora Sieger, Stefan Heindorf, Axel-Cyrille Ngonga Ngomo & Philipp Cimiano) *Artif Intell Rev* 58(81), 2025. <https://doi.org/10.1007/s10462-024-11007-7>
- L'intelligenza degli algoritmi. *Psiche. Rivista di cultura psicanalitica* 2 (2024): 537-547. doi: 10.7388/115432
- Niklas Luhmann: Evoluzione come normalizzazione dell'improbabilità (with Giancarlo Corsi). *Filosofia politica*, 3, 2024: 463-474, doi: 10.1416/114879

- The Dilemma of Trust in the Risk Society. Commentary on Gil Eyal, Larry Au and Cristian Capotescu's "Trust is a Verb!". *Sociologica*, 18(2), 2024: 193–198.  
<https://doi.org/10.6092/issn.1971-8853/20108>
- Precision Epidemiology: A Computational Analysis of the Impact of Algorithmic Prediction on the Relationship between Population Epidemiology and Clinical Epidemiology (with Paola Angelini and Sebastian Schneider). *International Journal of Public Health* 69, 2024.  
<https://doi.org/10.3389/ijph.2024.1607396>
- Performance without understanding: How ChatGPT relies on humans to repair conversational trouble (with Ole Pütz). *Discourse and Communication* 18(6): 2024.  
<https://journals.sagepub.com/doi/epub/10.1177/17504813241271492>
- Order of play - disorder of the world. *Into the Magic Circle* 1(2024). DOI: 10.26116/1hrb-th63  
<https://intothemagiccircle.org/article/view/18868/20785>
- Una cuestión de tiempo – Entrevista con Elena Esposito. *Estudios Públicos* 174 (2024), 147-170. <https://doi.org/10.38178/07183089/1100230823>
- Algorithmic crime prevention. From abstract police to precision policing (with Simon Egbert). *Policing and Society*, 34(6), 2024:521-534, DOI:10.1080/10439463.2024.2326516  
<https://doi.org/10.1080/10439463.2024.2326516>
- Can We Use the Open Future? Preparedness and Innovation in Times of Self-Generated Uncertainty. *European Journal of Social Theory*, 27(2), 2024: 209-224,  
<https://doi.org/10.1177/13684310231224546>.
- Can a Predicted Future Still be an Open Future? Algorithmic Forecasts and Actionability in Precision Medicine (with Dominik Hofmann and Costanza Coloni). *History & Theory*, 63(1), 2024: 1-21. <https://onlinelibrary.wiley.com/doi/epdf/10.1111/hith.12327>
- Can Telematics Improve Driving Style? The Use of Behavioural Data in Motor Insurance (with Alberto Cevolini, Elena Morotti, Lorenzo Romanelli, Riccardo Tisseur and Cristiano Misani). [arXiv:2309.02814](https://arxiv.org/abs/2309.02814), September 2023.
- Explaining Machines: Social Management of Incomprehensible Algorithms. Introduction. *Sociologica*, 16(3), 2022: 1–4. <https://doi.org/10.6092/issn.1971-8853/16265>
- Does Explainability Require Transparency? *Sociologica* 16(3), 2022: 17–27.  
<https://doi.org/10.6092/issn.1971-8853/15804>
- From Actuarial to Behavioural Valuation: The Impact of Telematics on Motor Insurance (with Alberto Cevolini). *Valuation Studies*, 9(1) 2022: 109-139.
- Vorhersagen und Entscheiden: Predictive Policing in Polizeiorganisationen (with Simon Egbert and Maximilian Heimstädt). *Soziale Systeme*, 26(1–2), 2021: 189–216.  
<https://doi.org/10.1515/sosys-2021-0007>
- Helga Nowotny in Conversation with Elena Esposito. *Sociologica*, 16(2), 2022: 261–273.  
<https://doi.org/10.6092/issn.1971-8853/15464>

Was Luhmann von der Digitalisierung und von Algorithmen schon wusste. Pp.127-133 in Timon Beyes, Wolfgang Hagen, Claus Pias and Martin Warnke (Eds.) *Niklas Luhmann am OVG Lüneburg. Zur Entstehung der Systemtheorie*. Berlin: Duncker & Humblot, 2021.

Luhmann, on Algorithms, in 1966. English translation pp. 155-161 in Ralf Rogowski (Ed.) *The Anthem Companion to Niklas Luhmann*. London: Anthem, 2023. ISBN:9781839984884

Luhmann, sugli algoritmi, nel 1966. Italian translation in *Quaderni di Teoria Sociale* 2.2023: 93-101  
DOI: 10.57611/qts.v2i2.293

Dall'Intelligenza artificiale alla comunicazione artificiale. *aut aut* 391, 2021: 20-34.

Transparency vs. Explanation. The Role of Ambiguity in Legal AI, *Journal of Cross-disciplinary Research in Computational Law*, 1 (1), 2022.

<https://journalcrcl.org/crcl/article/view/10>

Transparência vs. Explicação. O papel da ambiguidade na IA jurídica, Portuguese translation in *Revista Direito Mackenzie* 16(3), 2022: 1-22. ISSN 2317-2622.

<http://dx.doi.org/10.5935/2317-2622/direitomackenzie.v16n315705>.

Wörterbuch der weitschweifigen Begriffe: Digitalisierung. *Zeitschrift für Ideengeschichte*, XV(4), 2021: 107-110.

Systems theory and algorithmic futures: Interview with Elena Esposito (with Katrin Sold and Bénédicte Zimmermann). *Constructivist Foundations* 16(3), 2021: 356-361.

<https://constructivist.info/16/3/356>

Opacity and Complexity of Learning Black Boxes. *Constructivist Foundations* 16(3), 2021: 377-380.

Digitale Prognose. Von statistischer Ungewissheit zur algorithmischen Vorhersage. Pp. 177 – 198 in Alfons Labisch (Ed.) *Kann Wissenschaft in die Zukunft sehen? Prognosen in den Wissenschaften*. Halle: Acta Historica Leopoldina Nr. 79, 2021.

On Christoph Deutschmann's Disembedded Markets—Economic Theology and Global Capitalism (with Jens Beckert and Greta Krippner). *Socio-Economic Review*, 18(4), 2020: 1199-1212.

Explanation as a Social Practice: Toward a Conceptual Framework for the Social Design of AI Systems (with Rohlfing K., Cimiano P., Scharlau I., Matzner T., Buhl H.M., Buschmeier H., Grimminger A., Hammer B., Hüb-Umbach R., Horwath I., et al.). *IEEE Transactions on Cognitive and Developmental Systems*, 13(3), 2020: 717-728, doi: 10.1109/TCDS.2020.3044366.

Unpredictability. Pp. 533-540 in Nanna Bonde Thylstrup et al. (Eds.) *Uncertain Archives*. Cambridge (Mass.): MIT Press, 2020.

A Pandemic of Prediction: On the Circulation of Contagion Models between Public Health and Public Safety (with Maximilian Heimstädt and Simon Egbert). *Sociologica*, 14(3), 2020:1-24. <https://doi.org/10.6092/issn.1971-8853/11470>

From Pool to Profile: Social Consequences of Algorithmic Prediction in Insurance (with Alberto Cevolini). *Big Data & Society* 7(2), 2020.  
<https://doi.org/10.1177/2053951720939228>

Systemic Integration and the Need for De-Integration in Pandemic Times. *Sociologica*, 14(1): 3-20, May 2020. ISSN 1971-8853. <https://sociologica.unibo.it/article/view/10853>>. doi:<https://doi.org/10.6092/issn.1971-8853/10853>.

Reprint in Markus Heidingsfelder and Maren Lehmann (Eds.) *Corona: Weltgesellschaft im Ausnahmezustand*. Weilerswist: Velbrück, 2020, pp. 97-116.

La Integración sistémica y la necesidad de la des-integración en tiempos de pandemia. Spanish translation in *Revista Mad - Universidad de Chile* 44, 2021: 1-18. DOI: 10.5354/0719-0527.2021.64773

Chinese translation in *Tsinghua Forum of Rule of Law*, 2025.

The Impact of Big Data. Pp. 27-31 in Bente Maegaard and Riccardo Pozzo (Eds.) *Stay Tuned to the Future. Impact of Research Infrastructures for Social Sciences and Humanities*. Firenze: Olschki, 2019.

What's Observed in a Rating? Rankings as Orientation in the Face of Uncertainty (with David Stark). *Theory, Culture & Society*, 36(4), 2019: 3-26, 2019.  
<https://doi.org/10.1177/0263276419826276>

Reprint in David Stark (Ed.) *The Performance Complex: Competition and Competitions in Social Life*. Oxford: Oxford University Press, 2020, pp. 122-143.

Predicting Innovation. Artistic Novelty and Digital Forecast. Pp. 235-243 in Thijs Lijster (Ed.) *The Future of the New. Artistic Innovation in Times of Social Acceleration*. Amsterdam: Valiz, 2018.

Predicted Uncertainty: Volatility Calculus and the Indeterminacy of the Future. Pp. 219-235 in Jens Beckert and Richard Bronk (Eds.) *Uncertain Futures. Imaginaries, Narratives, and Calculation in the Economy*. Oxford: Oxford University Press, 2018.

The time of money in finance and US society. *Finance and Society* 2018, 4(1): 15-25.  
DOI: <https://doi.org/10.2218/finsoc.v4i1.2738>

Reality of the Future and Future Reality. Pp. 27-32 in Susanne Witzgall and Kerstin Stakemeier (Eds.) *The Present of the Future*. Zurich/Berlin: Diaphanes, 2017.

Critique without crisis: Systems theory as a critical sociology. *Thesis Eleven* 2017, 143(1): 18-27.

Crítica sem crise: teoria dos sistemas como sociologia crítica. Portuguese translation in Lucas Fucci Amato, Marco Antonio Loschiavo and Leme de Barros (Eds.) *Teoria crítica dos sistemas: crítica, teoria social e direito*. Porto Alegre: Editora Fi, 2018: 37-53.

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## TRANSLATIONS

### Books

*La realtà dei mass media*. Milano: Angeli, 2000. Translation of Niklas Luhmann. *Die Realität der Massenmedien*. Opladen: Westdeutscher, 1996.

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### Selected articles

Spencer Brown, George. Autoreferenza, distinzioni e tempo. Translation of: Selfreference, Distinctions and Time. *Teoria Sociologica* 1993, I(2): 47-53.

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## PRESENTATIONS (LAST 13 YEARS)

### KEYNOTE LECTURES

**Il futuro della previsione.** Conferenza *La filosofia della tecnica e della tecnologia italiana: genealogie, orientamenti, prospettive*. Politecnico di Torino, 13 February 2026.

**Artificial Communication & Social Intelligence – What Does It Do to Us as Humans and to Democracy?** Barbara Czarniawska's Wisdom Seminars. The Museum of World Culture, Gothenburg, 14 May 2025.

**Answer Engines and Other Communication Partners.** STS Conference Graz, 5 May 2025.

**ChatGPT und andere Kommunikationspartner.** Jahrestagung der DGfE-Sektion Organisationspädagogik *Organisation und Digitalität*, Freie Universität Berlin, 7 March 2025.

**Prediction in Science, Prediction in Society.** Conference *AI and Emerging Technologies: Beyond the Hype*, ESSEC Business School Cergy, 16-17 May 2024.

**Comunicazione artificiale.** Kick-off Meeting PhD Program in *Learning Sciences & Digital Technologies*, Bologna, 13 November 2023.

**Dall'intelligenza artificiale alla comunicazione artificiale.** V Convegno della Società Scientifica Italiana di Sociologia, Cultura, Comunicazione, University Bari. 22 June 2023.

**How to Communicate with Machines that do not Understand.** 68. Jahrestagung der Deutschen Gesellschaft für Publizistik und Kommunikationswissenschaft (DGPK). University Bremen, 19 May 2023.

**Berechenbare Zukunft? Zur Deutungsmacht der Algorithmen.** Conference *Deutungsmacht von Zukunftsnarrativen*. University Rostok, 29-31 March 2023.

**Interdisciplinarity, really?** Interdisciplinary Workshop *Conceiving Cities, Understanding Interdisciplinarity*. HCU Hamburg, 14 February 2023.

**Auftakt! Eröffnung des Sonderforschungsbereichs 1567 Virtuelle Lebenswelten.** Bergbau-Museum Bochum, 18. November 2022.

**Parlare a machine e algoritmi,** *Festival della scienza*, Genova, 30 October 2022.

**Proactive predictions. How algorithms manufacture the future they forecast.** Abschlusskolloquium der dritten Kohorte des Graduiertenkollegs 1919: *Vorsorge, Voraussicht, Vorhersage*. Kulturwissenschaftlichen Institut Essen 19– 21 September 2022.

**Artificial Communication.** Conference *Künstliche Intelligenz als geistes- & sozialwissenschaftlicher Begriff*. Schaufler Kolleg, TU Dresden, 1-3 December 2021.

**Prediction in the digital society.** Workshop *Digital Relations. Prädiktion in der algorithmisierten Gesellschaft*. University Hannover, 23-24 September 2021.

**Shared Uncertainty and Individual Prediction. Does Algorithmic Forecast Affect the Open Future?** Conference *Soziale Medien. Schreibweisen der Gegenwart nach der Digitalisierung*, Alfried Krupp Wissenschaftskolleg Greifswald, 8-10 Juli 2021.

**Algoritmi. Previsione e opacità.** Lectio magistralis. Festival*filosofia* Modena, 18 September 2020.

**The Future of Prediction.** Keynote Presentation. "Systems Theory and the Media. A Symposium in Honour of Heike Graf", Södertörns Högskola, Stockholm, 11 June 2019.

**Algorithmic Memory and the Right to Be Forgotten on the Web.** Keynote address. Conference "Society through the Lens of the Digital", Schloss Herrenhausen, Hanover, 31 May - 2 June 2017.

**Pricing the Future.** Keynote address. Conference „Intersections of Finance and Society“, City University London, 3-4 November 2016.

**Algorithmic Memory and the Right to Be Forgotten on the Web.** Keynote panelist. Conference "Unlocking the Black Box: The Promise and Limits of Algorithmic Accountability in the Professions", Yale Law School, 2 April, 2016.

**Artificial Communication. The production of contingency by algorithms.** Inaugural talk for the Niklas Luhmann Distinguished Visiting Chair in Social Theory, Bielefeld University, 9 December, 2015.

**The time of money in finance and U.S. society.** Keynote address. Conference *Financial Times: Economic Temporalities in U.S. Culture*, Goethe-University Frankfurt am Main, 26 - 28 March, 2015.

**Expecting surprises on financial markets.** Keynote address. Conference "New Industries. Geld und Schulden in der postindustriellen Welt", Hartware MedienKunstVerein in Dortmunder U, 18 January, 2014.

**Order of play - disorder of the world.** Keynote address. Conference "Games of Late Modernity. Johan Huizinga's *Homo Ludens*: 75 Years Later", Tilburg University, 16 January, 2014.

**In and out. Fashion and the culture of transitoriness.** Keynote address. III Lisbon Summer School for the Study of Culture, Lisbon Consortium, 24-29 June, 2013.

**Vergessen im Web: Entwicklungen der ars oblivionalis.** Keynote address. Conference „Vergessen, Verstecken, Verschleiern“, Schloss Mickeln, University Düsseldorf, 6-8 June, 2013.

**What do bonds bind? The property of the future and the responsibility of the present.** Keynote address. Conference "Bonds: Guilt, Debts and other Liabilities", Humboldt-Universität and Haus der Kulturen der Welt, Berlin, 6-8 December, 2012.

**La transitorietà e le cose alla moda.** Lectio magistralis. Festival *filosofia* Modena, 14 September, 2012.

#### CONFERENCE PRESENTATIONS AND ORGANIZATION

**Jailbreaking as a Creative Practice in Human-LLM Interaction** (with Jonas Mieke and Ole Pütz). 4S 2025. Seattle, 4 September 2025.

**From Short-Term Deterrence to Long-Term Intervention: Promises and Challenges of Algorithmic Crime Prevention in Urban Spaces** (with Simon Egbert). EUROCRIM 2025. Athens, 5 September 2025.

**Communication Media, Communication Partners: A Communicative Approach to LLMs** (with Jonas Mieke). 4S 2025. Seattle, 6 September 2025.

(with Ole Pütz & Jonas Mieke) **Organizer** of the Interdisciplinary Workshop *Jailbreaking as a Creative Practice in Human-LLM Interaction*. Bielefeld University, 28 August 2025.

**The Context as Resource: Contextual Adaptations and Explanations in the Field** (with Fabian Beer). Conference *Contextualizing Explanations*. Bielefeld 18 June 2025.

**Co-organizer** Workshop *Bridging the Gap in Political Communication Online through Technology?* ZiF Bielefeld, 11-12 June 2025.

**From Reactivity to Proactivity: The Use of Behavioural Data in Life and Health Insurance** (with Alberto Cevoloni). Conference *Limits and Frontiers of Insurance*. University Edinburgh, 5-6 June 2025.

**Sociology and Cybernetics: Communication and Control of Lack of Control. 5.** International Conference for Design and Philosophy *New Cybernetics*. University of Applied Sciences Dusseldorf, 16 May 2025.

**, Roundtable: Current Perspectives on Generative AI, Politics and Societies.** International Conference *AI, Politics and Societies*. University Bologna, 11 December 2024.

(with Chiara Benassi, Chiara Binelli, Alice Mattoni, Laura Sartori and Augusto Valeriani) **Organizer** of the International Conference *AI, Politics and Societies*. University Bologna, 11-13 December 2024.

**Performance without understanding: How ChatGPT relies on humans to repair conversational trouble.** Workshop *Conversation analysis and conversational technologies: Finding the common ground between academia and industry* London School of Economics (online), 29 November 2024.

**Fake and Fiction in Digital Reality.** Workshop *How did Fiction and Speculation Turn into Productive Modes?* Centre allemand d'histoire de l'art. Paris, 26-27 November 2024.

**Organizer** of the International Workshop *The Future of Prediction: Challenges of Algorithmic Forecast in Science and Society*. Cornell Tech, New York, 18 September 2024.

**Communication with nonunderstandable machines.** Workshop *LLMs and the Patterns of Human Language Use*. Weizenbaum Institut, Berlin, 29 August 2024.

**The Communicative Agency of A.I. Powered Search Engines** (with Ole Pütz). *EASST-4S 2024* Conference, Amsterdam, 16-19 July 2024.

**Face-to-face or Interface?** International Conference *Bypassing Interaction*, University Modena/Reggio Emilia, 28-29 June 2024.

(with David Stark and Omar Besbes) **Organizer** of the International Conference *The Future of Prediction: The Social Consequences of Algorithmic Forecast*, Columbia Business School, 29 May 2024. <https://business.columbia.edu/node/21897>.

**Prediction in Science, Prediction in Society. International Conference *The Future of Prediction: The Social Consequences of Algorithmic Forecast*, Columbia Business School, 29 May 2024.**

**The Real Effects of Deepfakes: Reportage, illustration, and truth in AI generated images. Symposium *On Reality*, Düsseldorf Photo + Biennale für Visual and Sonic Media, K21 The Kunstsammlung Nordrhein-Westfalen, Düsseldorf, 18-19 May 2024.**

**The Future of Prediction. Social Consequences of Algorithmic Forecast. Networking workshop *Theorising Digital Societies*, Deutsch-Italienisches Zentrum Villa Vigoni, 22-24 April 2024.**

**Artificial Communication. Workshop *System Theory, Law and Digital Media*, Birkbeck, London, 15.2.2024**

(with Turo-Kimmo Lethonen and Alberto Cevolini) **Organizer** of the Interdisciplinary Workshop *Insurance and Social Theory*, University of Bologna, 14-15 December 2023.

**Can Behavioural Insurance Socialize Responsibility?** (with Alberto Cevolini). Interdisciplinary Workshop *Insurance and Social Theory*, University of Bologna, 15 December 2023.

**About time. Temporality and contestations of the liberal script.** Midterm Conference of the Cluster of Excellence *Contestations of the Liberal Script*. Berlin, 24 November 2023.

**From Artificial Intelligence to Artificial Communication.** Workshop *Sociology of Algorithms*, Columbia University, 25 October 2023.

**Can We Use the Open Future?** DWIH *Future Forum: From Crisis to Resilience*, New York City, 20 October 2023.

**Can We Use the Open Future? Preparedness and Innovation in Times of Self-Generated Uncertainty.** Workshop *Multiple Crises*, Deutsch-Italienisches Zentrum Villa Vigoni, 16 October 2023.

**Dall'Intelligenza Artificiale alla Comunicazione Artificiale.** Seminario di *Tecnologia, Politica, Società*. Scuola Superiore Sant'Anna, Pisa, 21 April 2023.

**Disinformation, Social Media and Elections.** Workshop *Democracy in Europe*, Bertinoro Conference Centre University of Bologna, 12 April 2023.

**Comunicare con gli algoritmi.** Workshop *Un simposio attorno al volume Comunicazione artificiale di Elena Esposito*. Università Cattolica del Sacro Cuore Milano, 7 February 2023.

**The Future Present in the Present Future.** International workshop *After Preparedness: The Organizational Dimension*. Sciences Po, Paris, 7-8 November 2022.

(with David Sark and Olivier Borraz) **Organizer** of the International workshop *After Preparedness: The Organizational Dimension*, Sciences Po, Paris, 7-8 November 2022.

**Organizer** of the workshop *Machine Learning in insurance, medicine, and policing*, Bielefeld University 21-22 October 2022.

**To Personalize or to Be Personalized? Individual Identity and Digital Profiling.**

International Conference *The challenge of Participation*, University Siegen, 5- 7 October 2022.

**Motor Risk as Danger and as Opportunity.** International Conference *Driving the Next in motor risk*. Swiss Re Center for Global Dialogue Rüschtlikon, 26-27 September 2022.

**Author Meets Critics** session on *Artificial Communication. How Algorithms Produce Social Intelligence*). SASE Annual Conference “Fractious Connections: Anarchy, Activism, Coordination, and Control”, University of Amsterdam, 9-11 July 2022.

**Does Explainability Require Transparency?** International conference of the TRR 318 *Co-constructing Explainability*, University Bielefeld, 23 June, 2022.

(with Tobias Matzner) **Organizer** of the International conference of the TRR 318 *Co-constructing Explainability*, University Bielefeld, 23-24 June, 2022.

(with David Sark and Turo-Kimmo Lethonen) **Organizer** of the preparatory workshop *After Preparedness: The Organizational Dimension*, Weizenbaum Institute Berlin, 6-7 June 2022.

**La digitalizzazione dell'industria assicurativa: effetti sociali delle tariffe**

**comportamentali nel ramo RC auto** (with Alberto Cevolini). Annual Conference SISEC “Il lavoro della transizione. Tecnologie, politiche ed ecologia del lavoro nel XXI secolo”. University of Bologna, 8-11 June 2022(9 June).

**Prevention and prediction in general perspective.** Workshop *Prevention and prediction in insurance, medicine, and policing*. Bielefeld University 24-25 February 2022.

**Organizer** of the workshop *Prevention and prediction in insurance, medicine, and policing*. Bielefeld University 24-25 February 2022.

**Behaviour-Based Prediction and Prevention: Open Issues About Future Insurance.**

Workshop *The Future of Insurance. How Does Algorithmic Prediction Affect Insurance Practices?* University of Bologna, 19 November 2021.

(with Alberto Cevolini) **Organizer** of the Conference *The Future of Insurance. How Does Algorithmic Prediction Affect Insurance Practices?*. University of Bologna, Bologna, 18-19 November 2021.

**From Statistical Uncertainty to Algorithmic Forecast.** Panel *The algorithmic turn of prediction*. 4S 2021 Virtual, 6 October 2021.

**Prediction in the digital society.** Workshop *Digital Relations*, University Hamburg, 23-24 September 2021.

**Digitale Daten and Algorithmische Vorhersagen** (with Maximilian Heimstädt and Simon Egbert). Virtuelle Jahrestagung der Sektion Organisationssoziologie der Deutschen Gesellschaft für Soziologie *Große Herausforderungen und Organisationen: Themenfelder, Theorien und Methoden im Umbruch*. 10 – 11 June 2021.

- From Actuarial to Behavioural Valuation: The Impact of Telematics on Motor Insurance** (with Alberto Cevolini). Workshop *Insurance and Society*, Max Planck Institute für Gesellschaftsforschung, Köln (online).
- Divinatory Features of Algorithmic Prediction.** Conference *Vorausschauen, Vorausdenken, Vorausberechnen*. Friedrich-Alexander Universität Erlangen-Nürnberg, 5 February 2021.
- Impulse Speech: Towards a Society of Human & Machines.** Conference *Digitalization of Knowledge and Industrial Technologies*. University Bologna, 7 November 2019.
- Predicting and Explaining.** IKKM Biennial Conference *Schalten und Walten. Towards Operative Ontologies*. Weimar University, 23-25 October 2019.
- Forgetting Pictures. An excess of images to escape the present.** Conference *Artificial Intelligence // Cultural Technology*, Tekniska Museet Stockholm, 14 June 2019.
- Algorithmic Prediction vs. Shared Uncertainty. Social Consequences of Individualized Forecast.** Organizer (with A. Cevolini) of the mini-conference at the SASE Conference *Fathomless Futures: Algorithmic and Imagined*, New York, 27-29 June 2019.
- Description or Prediction? Restructuring Epidemiology in Cancer Medicine** (with Moran Levy), SASE Conference *Fathomless Futures: Algorithmic and Imagined*, New York, 27 June 2019.
- From Pool to Profile. Can we have Insurance Against Predicted Damages** (with Alberto Cevolini), SASE Conference *Fathomless Futures: Algorithmic and Imagined*, New York, 27 June 2019.
- Digitale Prognose: Von statistischer Ungewissheit zur algorithmischen Vorhersage.** Conference *Kann Wissenschaft in die Zukunft sehen? Prognosen in den Wissenschaften*. Leopoldina-Studienzentrum Halle, 8-10 October 2018.
- The Impact of Big Data.** ESFRI Conference *Stay Tuned to the Future. Impact of Research Infrastructures*. Bologna, 24-25 January 2018.
- Lebenswelt als unmarked space. Die Logik der Technisierung.** Conference *Systemtheorie der Gesellschaft*. University Bielefeld, 8-9 December 2017.
- Was Luhmann von der Digitalisierung und von Algorithmen schon wusste.** Conference *Niklas Luhmann am OVG Lüneburg*. Leuphana University Lüneburg, 5-6 December 2017.
- The Future of Prediction. From Statistical Uncertainty to Algorithmic Forecast.** Conference *The Future of Judgement*. Zurich University of the Arts, 30. November – 1 December 2017.
- Smart but not Intelligent. The Communicative Competence of Algorithms.** Conference *The Intelligence of Algorithms*. Max Planck Institute for the History of Science, Berlin, 19-21 October 2017.
- Post-human and A-human. The Reference to Humans in Digital Communication** Interdisciplinary Workshop *Critiques of the Post-human*. Institute for Advanced Study in

Humanities and Social Sciences, Zhejiang University, 13 October 2017.

**The Future of Prediction.** Conference *Market, Politics and Society: Continuity and Transformation*, IAS Zhejiang University and the University of Chicago Beijing Center, 14-15 September 2017.

**What's Observed in a Rating?** Conference of the International collaborative network "Performances of Value: Competition and Competitions Inside and Outside Markets", Bologna, 13-14 January, 2017.

**Organizing without understanding. Lists in divinatory and in digital culture.** Conference *Collecting, Sorting, Ordering. Practices of Listing in Popular Culture*, University of Siegen, 27-28 October 2016.

**Krisis and Critique.** Conference *Contemporary Perspectives on Systems Theory*, University of Macau, 16-17 September 2016.

**Predicted Uncertainty. Volatility Calculus and the Indeterminacy of the Future.** Conference *Economic Futures: Imaginaries, Narratives and Calculation*, Institut d'études avancées de Paris, 17-18 March 2016.

**Blindness and Power of Algorithmic Prediction.** Conference *Thinking Together*, Berliner Festspiele, 12 March 2016.

**Blindheit der Kritik.** Internationales Symposium *Was ist Kritik?* Neuer Berliner Kunstverein, 6 February 2016.

**Temporal markets. Money, the future and political action.** Conference "FUTUR€\$. Prospective Money and Money's Prospects", University of Basel, 24 - 26 September 2015.

**Observing the crisis: an observation.** Symposium "Financial Crises as Global Challenges: Actors, Structures and Logics of Global Finance", Tagungszentrum Schloss Herrenhausen, Hannover, June 24- 27, 2015.

**Fiction and Simulation – social aspects.** Workshop "Fiction and Simulation: Theories, Methods, Practices", Deutsch-Italienisches Zentrum Villa Vigoni, April 27-30, 2015.

**Possible Possibilities and Actual Possibilities.** Workshop "Potentialization – The search for future possibilities", Copenhagen Business School, Klitgaarden, April 21-23, 2015.

**Interaktion mit Algorithmen.** HDC Conference „Interaktion mit Maschinen“, University Würzburg, June 26-28, 2014.

**Uncertainty as a Resource. Anticipatory Techniques in Finance.** Conference "Joint Risk Design", University Konstanz, May 15-17, 2014.

**Ratings as Observation.** Conference "Second Order Observation in Contemporary Society: Rating, Ranking, and Niklas Luhmann's Social Theory", Department of Philosophy, University College Cork, March 8-9, 2014.

**Do we need an “open man”? The anthropology of agencements.** ESF Exploratory Workshop on Agencing Markets, Cargèse, September 17-20, 2013.

**Die Paradoxien der Verfassung: Introduction.** Conference „Die Paradoxien der Verfassung. Interdisziplinäre und vergleichende Analysen“, University Modena-Reggio Emilia, May 31-June 1, 2013.

**Virtual Contingency in Web Communication.** Symposium “The Ecological Paradigm. Issues And Perspectives Of A General Ecology Of Media And Technology”, Ruhr University Bochum, January 16 – 18, 2013.

**Economic Circularities and Second Order Observation.** Conference “Embeddedness and Beyond: Do Sociological Theories Meet Economic Realities?”, Higher School of Economics, Moscow, 24-29 October 2012.

#### **OTHER INVITED TALKS**

**The future of prediction.** Center for Advanced Study in the Behavioral Sciences. Stanford, 19 November 2025.

**Kommunikation mit unverständlichen Maschinen.** Münchner Volkshochschule, 8 May 2025.

**ChatGPT come partner comunicativo: l'intelligenza artificiale e noi.** Scuola Galileiana di Studi Superiori, Padova. 2 April 2025.

**Prediction in Science, Prediction in Society.** Project Normative Kinds, Dipartimento di Filosofia, University of Bologna. 3 February 2025.

**Intelligenza artificiale e soggetto nell'epoca della scienza.** Ciclo di eventi pubblici *Conflitti*. Sala degli Arazzi, Rimini. 10 January 2025.

**The Management of Shared Uncertainty. Literatur als Künstliche Kommunikation.** *Künstliche Kommunikation: Schrift und Schreiben unter algorithmischen Bedingungen.* Gottfried Wilhelm Leibniz Bibliothek Hannover. 22 November 2024.

**Social Consequences of Algorithmic Prediction.** GRASP Uncertainties. University Bielefeld, 20 November 2024.

**Kommunikation mit unverständlichen Maschinen.** Klausurtagung Fachbereich Sozial- und Kulturwissenschaften Hochschule Düsseldorf, 03.07.2024.

**Artificial Intelligence as Oracle.** Meeting of the Fellows' Club, Wissenschaftskolleg zu Berlin, 13.6.2024.

**Blindheit und Vision: Paradoxien als Ressource.** swf-Jahresforum *Paradoxiemanagement in der Praxis*, Berlin, 7-8.6.2024.

**Comunicare con gli algoritmi.** Conference series *Algoritmi, rete, dati e impatto sociale*, University of Salerno, 2.5.2024.

**Communicating with Generative AI.** SAIL lecture series on *Robust AI*, Bielefeld University, 11.04.2024.

**L'impatto sociale dell'Intelligenza Artificiale Generativa.** EU.C.L.I.D.E. Project, University of Bologna, 4.4.2024.

**Artificial Communication.** Seminar *Artificial Intelligence and Human Orientation 2*. Foundation for Philosophical Orientation, online, 26.2.2024.

**Can We Use the Open Future?** *Accounting, Organizations and Institutions Seminar*, London School of Economics, 14.2.2024.

**Alicja Kwade - In Agnosie.** Lehmbbruck Museum, Duisburg, 25.01.2024.

**Decoding the Future: Balancing Regulation and Freedom in the AI Era.** Interactive Youth Forum *Planet Needs Youth*, online, 13.1.2024.

**Comunicare con macchine incomprensibili. Dall'intelligenza artificiale alla comunicazione artificiale.** Lecture series *Dialoghi sull'educazione: la biodiversità nell'educare* online, Fondazione Franco Demarchi, Trento, 12.12.2023.

**How to talk to machines.** *3rd European Central Bank Assistant Conference*, Frankfurt, 28.11.2023.

**From Artificial Intelligence to Artificial Communication. Social Effects of ChatGPT.** Istituto Italiano di Cultura, Cologne, 23.11.2023.

**From Artificial Intelligence to Artificial Communication.** Workshop *Sociology of Algorithms*, Columbia University 25.10.2023.

**Can We Use the Open Future?** *DWIH Future Forum: From Crisis to Resilience*, New York City, 20.10.2023.

**Transdisciplinarity.** Dottorato Nazionale in Studi Religiosi. Reggio Emilia, 20 September 2023.

**Olvido social.** Universidad Diego Portales. Santiago, Chile, 24 August 2023.

**Comunicación en tiempos de inteligencia artificial.** Centro de Estudios Públicos, Santiago, Chile, 22 August 2023.

**The Role of Grand Theory in the 21st Century.** Centro de Estudios Públicos, Santiago, Chile, 21 August 2023.

**United Nations University Scoping Workshop:** Towards a new UNU institute on Big Data and Artificial Intelligence for Managing Human Habitat Change. Bologna Business School, 12-13 June 2023.

**Comunicazione artificiale.** #WMF2023. Rimini, 16 Giugno 2023.

**Comunicare l'Intelligenza Artificiale.** Fondazione Università Ca' Foscari, Venezia, 14 June 2023.

- ChatGPT: promesse e illusioni.** Limiti e potenzialità del fenomeno informatico del momento. Circolo dei lettori di Torino, April 17, 2023.
- Governa l'algoritmo.** Debate at the Istituto della Enciclopedia Italiana Treccani. Roma, 1 Febbraio 2023.
- Artificial Communication.** Project *The Creative Connection*. Abbaye de Royaumont, 17 January 2023.
- The Future of Prediction.** Centre Marc Bloch Berlin, 16 January 2023.
- El futuro abierto en una época algorítmica.** Seminario Internacional *Sistemas Sociales, Redes y Complejidad*, Guadalajara (online), 17 December 2022.
- Algorithms as communication partners.** Seminar *Technique & Society*, Adolfo Ibáñez University (Chile) (online), 13 December 2022.
- Artificial Communication.** *OneComDays TotalEnergies*, Paris, 28 November, 2022.
- Comunicare con gli algoritmi.** *BookCity* Milano, 17 November 2022.
- Comunicazione artificiale.** *Internet Festival 2022*, Pisa, 11 November 2022.
- Gli algoritmi nella medicina di precisione.** Colloquio *La medicina di precisione: intelligenza artificiale, algoritmi e professionisti sanitari*. Scuola Universitaria Professionale della Svizzera Italiana (SUPSI), 13 June 2022.
- Emergence of Tomorrow** London College of Fashion, 8 June 2022.
- Algorithms as Communication Partners?** Colloquium *Thinking the Future: Technology, Subjectivity and Ethics*. (online) North-West University, Potchefstroom (South Africa), 26 May 2022.
- La rete e l'intelligenza artificiale. La rivoluzione degli algoritmi.** Colloquio *Oggetti rivoluzionari. Per una storia del Novecento*. Fondazione San Carlo, Modena, 18 May 2022.
- The Social Consequences of Algorithmic Forecast.** Conference Series *Technological Change and Society*, European University Institute Florence, 16 May 2022.
- Prevention and insurance: How digital technologies enhance the idea of proactivity.** (with Alberto Cevolini). Séminaire de la chair PARI (Programme sur l'appréhension des risques et des incertitudes), SciencesPo Paris, 20 April 2022.
- Niklas Luhmann, Machines and Technique.** UE613 - *Les philosophes et les machines au XX siècle*. EHESS Paris, 9 March 2022.
- How Non-Thinking Algorithms Produce Social Intelligence.** UE 741 - *Langue algébrique et algorithms*. EHESS Paris, 8 March 2022.
- Divinatory Features of Algorithmic Prediction.** Erich Auerbach Institute of Advanced Studies, University of Cologne, 17 January 2022.

**The Social Consequences of Algorithmic Forecast.** Technische Universität Berlin, 8 December 2021

**Algorithmen und Entscheiden in Polizeiorganisationen** (with Simon Egbert and Maximilian Heimstädt). *Management-Kolleg 2021*, Deutsche Hochschule der Polizei, Muenster, 10 November 2021.

Participation in the *Volkswagenstiftung Symposium for breakthroughs in social science and Humanities*. Berlin, Falling Walls, 8 November 2021.

**Intelligenze artificiali. Le macchine penseranno come noi?** Sapiens Festival 2021, Darfo Boario Terme, 27 Settembre.

**Algoritmi comunicazione complessità.** Dialogue with Fabrizio Barca, *Dialoghi Pandora Rivista* 2021, Bologna, 18 September 2021 <https://www.youtube.com/watch?v=ENBeobwz4p8>.

**Ci pensa Lei? Limiti e incognite dell'intelligenza artificiale.** Debate with Luciano Floridi and Marco Pacini, Festival *Vicino/Lontano*, Udine, 30 June 2021.

Participation in the roundtable **Digitizing peoples in uncertain times: Interface methods for interventions on populations.** University Bologna, 13 May 2021.

**Algorithmic Prediction in Digital Insurance: A Sociological Viewpoint** (with Alberto Cevolini). University of Lausanne (online), 30 April 2021.

**Foresight and algorithmic predictions.** ERC – R&I Foresight seminar *The changing nature of the future in policy*. Brussels, 22 March 2021.

**Come decidono gli algoritmi?** Conference series *Reti e piattaforme*. CUBO Bologna, 10 February 2021.

**The Future of Prediction.** King's Business School, King's College London, 23 September 2020.

**Algorithmic Prediction: Between Statistics and Divination.** Dahlem Humanities Center Berlin, 11 February 2020.

**The Future of Prediction.** Conference at the Zentrum für Zeithistorische Forschung Potsdam, 5 December 2019.

**Predictive Policing.** Conference in the series *Algorithmen, Neuronale Netzte, Künstliche Intelligenz*. Kunsthalle Bielefeld, 26 November 2019.

**Algorithmen, Neuronale Netzte, Künstliche Intelligenz.** Organizer (with A. Cevolini and Guenter Kueppers) of the series of conferences at the Kunsthalle Bielefeld, 15 October 2019 – 21 January 2020.

**Concluding Remarks.** ZoneModa Conference 2019 *Be Cool! Aesthetic Imperatives and Social Practices*, University of Bologna, Rimini Campus, 18 May 2019.

**Fashion and the culture of transitoriness.** *Séminaire Mode et moralité*, INHA Paris, 15 May 2019.

- Algorithmic Remembering and Forgetting.** *Institut Jean Nicod*, Paris, 14 May 2019.
- Money is Time.** *EHSS Paris*, 7 May 2019.
- From statistical uncertainty to algorithmic forecast.** *Séminaire de philosophie-économique*, University of Marseille, 3 May 2019.
- Die Realität der Fiktion. Die Ausbeutung von Ungewissheit in der Wirtschaftswissenschaft.** Museum Angewandte Kunst, Frankfurt, 5 December 2018.
- Algorithmische Vorhersage.** *Digitaler Salon*, University Witten/Herdecke, 28 November 2018.
- Forms and Consequences of Prediction.** *I<sup>2</sup>SoS*, Bielefeld University, 27 November 2018.
- From Average Treatments to n-of 1 Prediction. Consequences of Algorithmic Forecast in Precision Medicine.** Data & Society Research Institute, New York, 31 October 2018.
- Predictive Effectiveness vs. Preventive Effectiveness in Predictive Policing.** Berkman Klein Center for Internet and Society at Harvard University, 30 October 2018.
- The Social Consequences of Algorithmic Forecast in Insurance, Medicine, and Policing.** PAIR – Google AI, Cambridge (Mass.), 29 October 2018.
- Digital Futures.** Inaugural Lecture Leuphana University Lüneburg, 11 October 2018.
- Future and uncertainty in the digital society.** Lecture series “Making sense of the digital society”. Alexander von Humboldt Institute for Internet and Society, Berlin, 12 March 2018.
- Rational Divination.** *1948 Unbound*. Haus der Kulturen der Welt, Berlin, 2 December 2017.
- The future of algorithms. Premises and perspectives of digital prediction.** Max Plank Institute for the History of Science, Berlin, 2 July 2017.
- Ratings and second-order Observation.** Workshop of the SFB “Praktiken des Vergleichens” Bielefeld, 25-26 May 2017.
- What’s Observed in a Rating? Rankings as Orientation in the Face of Uncertainty.** Zentrum für interdisziplinäre Forschung der Universität Bielefeld, 28 October, 2016.
- What do we talk about when we talk about risk?** The New School for Public Engagement, New York, 14 October, 2015.
- Modelle imitieren, um anders zu sein. De Paradoxien der Mode.** Ästhetik-Festival 2015 „Paradox“. University and Kunsthalle Bielefeld, October 9, 2015.
- Algorithms and Communication.** Department of Management, Politics and Philosophy, Copenhagen Business School, April 24, 2015.
- Die Gegenwart der Zukunft.** Akademie der Bildenden Künste München, January 13, 2015.

- Remembering to forget in the web. The right to be forgotten and its paradoxes.** Seminar on Cultural Memory, Columbia University, December 1, 2014.
- Futures, the future and time.** Workshop “European and Global Cultures. Perspectives on Achitecture & Economy”, Biennale Architettura Venezia, July 27, 2014.
- The Art of Forgetting in the web 2.0.** Meiji University, Tokyo, July 15, 2014. (<http://ex-server.muc.meiji.jp/Mediasite/Play/9cdc19509ecb4cc79d07fa6269c3b0a21d>)
- The Reality of Ratings.** North American Studies Program, University Bonn, July 3, 2014.
- Virtual Contingency. Digital Techniques of Remembering and Forgetting.** Institute of Advanced Studies University of Warwick, June 4, 2014.
- Systemic Perspectives on Money & Futures,** Summer School “Next Society’s Systems Theory”, Zeppelin University Friedrichshafen, May 14, 2014.
- La realtà della finzione.** Istituto Svizzero, Roma, April 11, 2014.
- Memory and Forgetting in the Web.** ICI Berlin Institute for Cultural Inquiry, January 27, 2014.
- Ratings and Rankings as Form of Observation.** IKKM Lectures, Weimar, January 22, 2014.
- Money, Risks and Markets.** Hertie School of Governance, Berlin, November 12, 2013.
- Ars Oblivionalis – digital techniques of remembering and forgetting.** MECS Lecture Series, University Leuphana Lüneburg, November 5, 2013.
- Betting and Fate: Observation and Construction of the Future.** Berliner Festspiele, July 13, 2013.
- Innovation and Novelty .** Summer School “Reflexive Innovation”, DFG Graduate School *Innovation Society Today*, TH Berlin, June 5-7, 2013.
- Paying Attention to Observation Theory: A Conversation on finance, networks and observation theory.** Copenhagen Business School, May 27, 2013.
- The Fiction of Statistics and the Reality of Fiction in Economics.** Haupt-/Oberseminar “Fiktionalität”, University Tübingen, May 21, 2013.
- Bedrohung oder Gelegenheit? Risiko und Überraschung in den Finanzmärkten und in der Gesellschaft .** Kolloquium „Risiko und Wissen“, Center *Geschichte des Wissens*, ETH Zürich, April 24, 2013.
- Podium Risikogesellschaft,** Neue Zürcher Zeitung, March 21, 2013.
- Originality through Imitation. The Rationality of Fashion.** Workshop „Theorizing Fashion. Fashion and Knowledge in Contemporary Theory“. Graduiertenkolleg *Sichtbarkeit und Sichtbarmachung. Formen hybriden Bildwissens*, University Potsdam, December 18, 2012.

## TV PRESENTATIONS

**Quasar**, RAI 2, 7 June 2025.

**Fuori Tg**, RAI 3, March 2023.

RAI (Radiotelevisione Italiana) *#I Maestri*

**Teoria della previsione**, 1 June 2020 <https://www.raiplay.it/video/2020/05/maestri-elena-esposito-teoria-delle-previsioni-sociologia-9f8f4f98-a9ca-4479-80f3-56338d59d80b.html>

**La sociologia della moda**, 10 June 2020 <https://www.raiplay.it/video/2020/06/maestri-elena-esposito-il-paradosso-della-moda-sociologia-cee84dd3-1caa-4890-bee8-bde790cdf182.html>

**Niklas Luhmann**, 16 November 2020 <https://www.raiplay.it/video/2020/11/Maestri-Elena-Esposito-Il-sociologo-tedesco-Niklas-Luhmann----Ivano-Dionigi-il-poeta-latino-Lucrezio-0aa62829-e23c-4126-b2cb-74bc41eeb9c2.html>

**Memoria e oblio**, 10 May 2021 (replication 3 August 2022)  
<https://www.raiplay.it/video/2021/05/Maestri-pt56-422d4343-a7eb-4fe5-9bdf-06f5148df6d9.html>

**La società del rischio**, 25 May 2021 <https://www.raiplay.it/video/2020/10/Maestri-Franco-Farinelli--Cose-la-geopolitica---Elena-Esposito-Levoluzione-dellintelligenza-artificiale-04e603a7-4d75-4434-a2ef-f97eb4396bbd.html>

## INTERVIEWS (last 3 years)

“Im Gespräch mit ... Elena Esposito Die Kunst des Vergessens und die Phantasien der Künstlichen Intelligenz”. *Ex nihilo - Martin Burckhardt*. 26 August, 2024. <https://youtu.be/URR2xPZ0z00>  
<https://martinburckhardt.substack.com/p/im-gesprach-mit-elena-esposito>

Elena Esposito: “Con l’AI è nata la comunicazione artificiale: una rivoluzione paragonabile alla scrittura”. Huffpost  
<https://www.huffingtonpost.it/dossier/fintech/2023/05/27/news/elena-esposito-ai-comunicazione-artificiale-intervista-12239142/>

Intervistautori.org <https://intervistautori.org/2023/04/27/comunicazione-artificiale/>

Eta Beta Rai 1 RAI: <https://www.raiplaysound.it/audio/2022/12/Eta-Beta-del-03122022-afc20b5c-33b3-48cb-a271-1f715dbd0252.html>

Radio 24 - Darwin [Ghiaccio antico in Antartide - Comunicazione artificiale](#)

Il Sole 24 Ore – Nova [Le illusioni dell’intelligenza artificiale](#)

Lecture.org: <https://www.lecture.org/comunicazione-artificiale-come-gli-algoritmi-producono-intelligenza-sociale-elena-esposito>

NA Startup: <https://www.facebook.com/watch?v=509413711123902>

Pandora videopodcast: <https://www.youtube.com/watch?v=13oaUOqxbbY>

War room <https://www.war-room.it/com/25-elena-esposito-e-michele-sorice/>

Milano Marketing Festival, 16 March, 2023.

#HarmonicInnovationBooks, April 2023.

War Room InnovAction - Luca De Biase dialoga con Elena Esposito, 8 May, 2023

<https://www.youtube.com/watch?v=A3oMI80oEfY>

Hans-Georg Moeller podcast: *Why Algorithms Can't Think: "Artificial Communication" by Elena Esposito*

<https://www.youtube.com/watch?v=L5ptc9WWcJc>

New Books Network. *Artificial Communication*

<https://newbooksnetwork.com/artificial-communication>

Neutral Ground Podcast. *Artificial Communication*

YouTube: [hPps://www.youtube.com/watch?v=hmiN2BsCJ7g](https://www.youtube.com/watch?v=hmiN2BsCJ7g)

SpoWfy: [hPps://open.spoWfy.com/episode/4bGChMUvFPAOKGCd6nV29u](https://open.spoWfy.com/episode/4bGChMUvFPAOKGCd6nV29u)

Apple: [hPps://podcasts.apple.com/us/podcast/algorithms-and-the-future-of-humancommunication](https://podcasts.apple.com/us/podcast/algorithms-and-the-future-of-humancommunication)

Won/id1576798405?i=1000563510275

Main website: [hPps://theneutralgroundpodcast.com/](https://theneutralgroundpodcast.com/)

Research Network Working Futures, Wissenschaftskolleg zu Berlin, *Systems Theory and Algorithmic Futures*.

<https://www.wiko-berlin.de/institution/initiativen-kooperationen/working-futures/interviews/elena-esposito>