

**DANIEL KOSTIC**  
**Curriculum Vitae**  
**(ORCID): 0000-0001-5729-1476**

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**HIGHLIGHTS**

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- PhD in Philosophy of Mind from Humboldt University in Berlin (Germany).
  - 24 publications, in some of the world leading philosophy journals such as *Philosophy of Science*, *Synthese*, as well as in top tier science journals such as *Philosophical Transactions of the Royal Society B: Biological Sciences*, *Frontiers in Systems Neuroscience*, *Frontiers in Psychiatry*.
  - Very strong teaching and tutoring profile, with excellent student evaluations and colleagues' commendations, and already obtained a Dutch University Teaching Qualification.
  - Co-founder and coordinator of the "Dutch Distinguished Lecture Series in Philosophy and Neuroscience (DDLs)" as well as of the annual workshop series "Scientific Understanding and Representation (SURE)".
  - Very strong track record of successful funding applications (total: € 454.573), including the Marie Skłodowska-Curie grant of the EU's Horizon 2020 Programme.
  - Internationally established, as evidenced by numerous invitations to serve as an evaluator for major international funding programmes (e.g., the NSF of the USA, Dutch NWO VENI program, START Program of the FWF Austrian Science Fund); to be a referee in leading philosophy and science journals (e.g., *Philosophy of Science*, *Analysis*, *Synthese*, *Neuroimage*); and to serve on the program committees of international conferences and workshops.
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**CONTACT DETAILS**

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**CURRENT POSITION**

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**2023-2024** Postdoctoral Research Fellow in Humane AI, Institute for Philosophy, Leiden University.

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**PREVIOUS POSITIONS**

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**2020-2022** Radboud Excellence Initiative Fellow, Institute for Science in Society (ISiS) Radboud University.

**2018-2020** Postdoctoral researcher at the Department of Philosophy, University Bordeaux MONTAIGNE (SPH - sciences, philosophie, humanité - EA 4574).

**2016-2018** Marie Skłodowska-Curie Fellow at the IHPST (CNRS/ Université Paris I Sorbonne).

**May 2016** European Philosophy of Science Association (EPSA) Visiting Fellow at the IHPST (CNRS/ Université Paris I Sorbonne).

**2014-2016** Research Associate at the Institute for Philosophy at the University of Belgrade.

**2012-2013** Principal investigator at the Laboratory for Experimental Psychology, University of Novi Sad.

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## EDUCATION

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<b>2012</b>	Humboldt Universität zu Berlin, PhD in Philosophy.
<b>Thesis Title</b>	“The Explanatory Gap Problem: How Neuroscience Might Contribute to its Solution”.
<b>Advisers</b>	Michael Pauen (Philosophy), David Papineau (Philosophy), Christoph Herrmann (Biological Psychology).
<b>Examiners</b>	Michael Pauen, David Papineau and Geert Keil.
<b>2004-2007</b>	University of Vienna, Graduate Program in Philosophy (transferred to Humboldt).
<b>2003</b>	University of Belgrade, BA in Philosophy.
<b>Thesis</b>	“The Turing Test and the Zombie Arguments”.

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## LIST OF PUBLICATIONS

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1. Kostic, D. (2022). “Topological Explanations, an Opinionated Appraisal.” In Lawler, I., Shech, E. and Khalifa, K. (eds): *Scientific Understanding and Representation: Mathematical Modeling in the Life and Physical Sciences*, Routledge, pp. 96-115. DOI: 10.4324/9781003202905-9.
2. de Boer, N., Kostic, D., Ross, M., de Bruin, L., Glas, G. (2022) “Perspectivism and the Boundary Problem in the Network Approach to Person Centered Care in Psychiatry.” *Frontiers in Psychiatry*, 13:925187, doi: 10.3389/fpsy.2022.925187.
3. Kostic, D. and Khalifa, K. (2022). "Decoupling Topological Explanations from Mechanisms." *Philosophy of Science (2022)*, 22, 1–24 doi:10.1017/psa.2022.29.
4. Khalifa, K., Islam, F., Gamboa, J.P., Wilkenfeld, D. A., Kostic, D. (2022). “Integrating Philosophy of Understanding with the Cognitive Sciences”, *Frontiers in Systems Neuroscience*. 16:764708. doi: 10.3389/fnsys.2022.764708.
5. Kostic, D. and Khalifa, K. (2021) “The Directionality of Topological Explanations.” *Synthese*, 199, 14143–14165 (2021). <https://doi.org/10.1007/s11229-021-03414-y>.
6. Kostic, D. (2020). “General Theory of Topological Explanations and Explanatory Asymmetry”. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 375: 20190321.
7. Kostic, D., Hilgetag, C., Tittgemeyer, M. (2020). “Unifying the Essential Concepts of Biological Networks”. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 375: 20190314.
8. Kostic, D. (2019). “Minimal Structure Explanations, Scientific Understanding and Explanatory Depth”, *Perspectives on Science*, 27 (1), 48-67.
9. Kostic, D. (2019). “Mathematical and Non-causal Explanations: an Introduction”, *Perspectives on Science*, 27 (1), 1-6.
10. Kostic, D. (2018). “The Topological Realization”. *Synthese*, 195(1), 79-98.
11. Kostic, D. (2018). “Mechanistic and Topological Explanations: an Introduction”. *Synthese*, 195(1), 1-10.
12. Kostic, D. (2017). "Explanatory Perspectivalism: Limiting the Scope of the Hard Problem of Consciousness". *Topoi*, 36(1), 119-125.
13. Kostic, D. (2016). “The Role of Topological Representation of the Brain in Understanding its Properties, Functions and Behaviors “, in „*Aspects of the Mental Representation Problems*“, Gvozdenovic, V. (Ed.), Akademska Misao, Belgrade.
14. Kostic, D. (2012). “The Vagueness Constraint and the Quality Space for Pain”, *Philosophical Psychology*, 25 (6), pp. 929-939.
15. Kostic, D. (2012). “Foundations of Transparency of Explanations: Semantic Realization”, *Treci program* 156/IV, pp. 1-12.
16. Kostic, D. (2011). “The Two-dimensional Argument Against Physicalism and the Conceptual Analysis”, *Belgrade Philosophical Annual*, 24, pp. 05-17.
17. Kostic, D. (2011). “The Explanatory Gap Account and Intelligibility of Explanation”, *Theoria*, LIV, 3, pp. 27-43.

### ❖ Monographs

18. Kostic, Daniel (2012). "The Explanatory Gap Problem – How Neuroscience Might Contribute to its Solution", Berlin, *Humboldt Universität zu Berlin*, DOI: 10.18452/16447.

### ❖ Edited volumes

19. Kostic, D., Hilgetag, C., Tittgemeyer, M. (2020). "Unifying the Essential Concepts of Biological Networks: Biological Insights and Philosophical Foundations", a Theme Issue in *Philosophical Transactions of the Royal Society B: Biological Sciences*.
20. Kostic, D. (2019). "Unifying the Debates: Mathematical and Non-causal Explanations", Special Issue in *Perspectives on Science*, 27 (1).
21. Kostic, D. (2018). "Mechanistic and Topological Explanations", Special Issue in *Synthese* 195(1).
22. Kostic, D. (2014). "Explanation, Evidence, Theory", Special Issue in *Treci program*, 163 (III).
23. Kostic, D. (2012). "Structure of Explanations", Special Issue in *Treci program*, 56/IV.

### ❖ Book reviews

24. Kostic, D. (2018). "The Ultimate Articulation of the Account of Explanatory Understanding", *Metascience*, 28 (1): 61–64. (Review of K. Khalifa, *Understanding, Explanation, and Scientific Knowledge*.)

### ❖ In progress

25. Kostic, D. "Pragmatics for Explainable AI".
26. Kostic, D. "Perspectival Constraints in Non-Causal Explanations".
27. Kostic, D., Halffman, W., "Mapping Explanatory Language in Neuroscience".
28. Kostic D., Regt H.D., Bruin, L.D., Khalifa, K., Douw, L. "Understanding the Relationship Between Structural and Functional Connectivity in the Brain."
29. Kostic D., Niquil, N. and Nogues, Q. "Perspectivism and Functions in Ecological Networks."
30. Kostic, D. "Philosophical Foundations of Topological Explanations", a book.

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## PEDAGOGICAL EXPERIENCE

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### ❖ Teaching Qualifications

**08 July 2022** University Teaching Qualification from Radboud University.

### ❖ Teaching

**Spring 2023** BA level (for humanities students). Philosophy of Neuroscience at Institute for Philosophy, Leiden University. Responsibilities (Lecturer and coordinator): Designing course syllabus, preparing exam materials and lesson plans; office hours; feedback and grading research term papers. Number of students: TBD.

**Fall 2022** MA level (for science students). Philosophy of Neuroscience for Science Students (course code: NWI-FFIL219) at ISiS, Radboud University. Responsibilities (Lecturer and coordinator): Designing course syllabus, preparing exam materials and lesson plans; office hours; feedback and grading research term papers. Number of students: 28.

**Spring 2022** BA level (for science students). Introduction to Philosophy & Ethics (course code: FFIL100) at ISiS, Radboud University. Responsibilities (Lecturer): co-designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 322. Student evaluations not yet available.

**Fall 2021** MA level (for science students). Science and Values (course code: NWI-FFIL218) at ISiS, Radboud University. Responsibilities (Lecturer): co-designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 109. Student evaluations: 8.1 (out of 10), colleague observations also available.

- Fall 2021** MA level (for science students). Philosophy of Neuroscience for Science Students (course code: NWI-FFIL219) at ISiS, Radboud University. Responsibilities (Lecturer and coordinator): Designing course syllabus, preparing exam materials and lesson plans; office hours; feedback and grading research term papers. Number of students: 9. Student evaluations: 9 (out of 10).
- Spring 2021** BA level (for science students). Introduction to Philosophy & Ethics (course code: FFIL100) at ISiS, Radboud University. Responsibilities (Lecturer): co-designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 330. Student evaluations: 7.3 (out of 10), colleague observations also available.
- Spring 2021** MA level (for science students). Science and Values (course code: NWI-FFIL218) at ISiS, Radboud University. Responsibilities (Lecturer): co-designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 76. Without student evaluations, but colleague observations available.
- Spring 2019** MA level (for philosophy students). MEA2Y41- ANGLAIS (Introduction to Philosophy in English, Master 1 philosophy), at the Philosophy Department, University Bordeaux Montaigne, France. Responsibilities (Lecturer and coordinator): Designing course syllabus, preparing exam materials and lesson plans; office hours; feedback and grading research term papers. Number of students: 24. Without student evaluations, but colleague observations available.
- Fall 2018** PhD level (for philosophy students). “A theory of topological explanations”, at the School of Philosophy, Beijing Normal University, China. Responsibilities (Lecturer): Designing course syllabus and lesson plans. Number of students: 12. Without student evaluations.
- Spring 2016** PhD level (for psychology students). “Introduction to metaphysics of science”, within the graduate program “Models of knowledge and explanation in psychology” at the Department of Psychology, University of Novi Sad, Serbia. Responsibilities (Lecturer): Designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 10. Without student evaluations.
- Fall 2015** PhD level (for psychology students). “Introduction to philosophy of science”, within the graduate program “Models of knowledge and explanation in psychology” at the Department of Psychology, University of Novi Sad, Serbia. Responsibilities (Lecturer): Designing course syllabus, preparing exam materials and lesson plans; office hours. Number of students: 10. Without student evaluations.

❖ **Supervision-Master theses**

- 2022** Advisor, MA thesis by Tom van Iersel, thesis title: “Ethical Issues of Emerging Neuroimaging Technologies”, at Radboud University.
- 2021** Co-advisor (with Leon de Bruin), MA thesis by Marcos Ross, thesis title: “The Complexity of Well-being: A Network Analysis”, at the VU Amsterdam.
- 2019** Co- advisor (with Cédric Brun), master thesis by Théo Cazemajou, thesis title: “The Problem of Scientific Inquiry of Consciousness”, at the Philosophy Department, University Bordeaux Montaigne, France.

❖ **Supervision-PhD theses**

- 2020** Co- advisor (with Cédric Brun), PhD thesis by Marie Penavayre, dissertation title: “Epistemological issues of the judicial use of neurosciences: an analysis of the explanatory power of neurocriminology”, at the Philosophy Department, University Bordeaux Montaigne, France.

❖ **Underrepresented Philosophy of Science Scholars Mentoring Program of the Philosophy of Science Association**

- 2022** I am currently mentoring Mrs. Soyeong An, who is a PhD student in the Philosophy Department at Ohio State University.

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**GRANTS, SCHOLARSHIPS, AND AWARDS**  
(Total: 454.573 €)

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❖ **Grants**

- 2023** Leiden University Fund, a grant for participation at the 5th Annual Workshop Scientific Understanding and Representation (SURE) in Toronto, Canada. *Total amount: 1000 €.*
- 2020-2022** Radboud Excellence Initiative Fellowship (Radboud Excellence Initiative). *Total amount: 205.300 €.*
- 2016-2018** Marie Skłodowska-Curie Fellowship (EU's H2020-MSCA-IF-2015 Programme). *Total amount: 185.076 €.*
- May 2016** European Philosophy of Science Association Fellowship at the IHPST (CNRS/Université Paris I Sorbonne). *Total amount: 1.905 €*
- 2014-2016** Philosophy of Science Association (USA) Travel Grant. *Total amount: 210 €.*
- 2012-2014** Research Grant of the Provincial Secretariat for Higher Education and Scientific Research (Serbia). *Total amount: 11.032 €.*
- 2009** Villigst grant for a research stay at King's College London. *Total amount: 5.000 €.*
- May 2007** Research Grant of Otto-Von-Guericke-Universität Magdeburg (Germany). *Total amount: 850 €.*

❖ **Scholarships**

- 2007-2010** Villigst-Doctoral Scholarship. *Total amount: 41.400 €.*
- 2000-2001** AAEN (Alternative Academic Educational Network) Scholarship. *Total amount: 1800 €.*

❖ **Awards**

- 2000** Award of the Royal Norwegian Embassy for the best 1000 students in all disciplines and from all Universities in (former) Yugoslavia. *Total amount: 1000 €.*
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**SERVICE TO THE PROFESSION/ADMINISTRATIVE EXPERIENCE**

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❖ **Grant and scholarship evaluation panels**

- 2022** Expert evaluator for the Science and Technology Studies (STS) Program at the National Science Foundation (NSF), USA.
- 2021** Expert evaluator for the START Programme of the FWF Austrian Science Fund.
- 2019** Expert reviewer for the VENI funding program of the Dutch NWO Social Sciences and Humanities Board.
- 2018** Expert evaluator for the Spanish State Research Agency (AEI).
- 2015** The German Academic Exchange Service (DAAD) - Chair of the section for Philosophy and Psychology of the selection committee for master's scholarships.

❖ **Coordination experience of professional networks, and societies**

- 2020** Co-founder and coordinator of The Dutch Distinguished Lecture Series in Philosophy and Neuroscience.  
<http://daniel-kostic.weebly.com/dutch-distinguished-lecture-series.html>
- 2019** Co-founder and co-coordinator of the Annual Workshop Series "Scientific Understanding and Representation (SURE).  
<https://sure-workshop.weebly.com>

### ❖ Conference program committees

- 2022** Member of the Program Committee of the Fourth Annual Workshop “Scientific Understanding and Representation (SURE) at Fordham University in New York. <https://sure4.weebly.com>
- 2021** Co-chair of the Program Committee of the Third Annual Workshop “Scientific Understanding and Representation (SURE) at Radboud University in Nijmegen. <https://sure-workshop.weebly.com/the-3rd-sure-nijmegen-2021.html>
- 2021** Member of the Program Committee of the Third East European Network for Philosophy of Science (EENPS) annual Meeting, at Belgrade University. <https://eenps.weebly.com/eenps-2021.html>
- 2018** Member of the Program Committee of the Second East European Network for Philosophy of Science (EENPS) annual Meeting in Bratislava. <https://eenps.weebly.com/eenps-2018.html>
- 2017** Member of the Program Committee of the European Philosophy of Science Association Conference (EPSA17), University of Exeter. [https://philsci.eu/epsa17\\_organization](https://philsci.eu/epsa17_organization)
- 2016** Co-chair of the Program Committee of the Inaugural Conference of the East European Network for Philosophy of Science in Sofia. <https://eenps.weebly.com/eenps-2016.html>

### ❖ Organization of international workshops, and symposia

- 15-17 April 2021** Co-Organizer (with Henk de Regt) of the workshop: “3rd Scientific Understanding and Representation (SURE) annual workshop” at ISiS, Radboud University, The Netherlands. <https://sure-workshop.weebly.com/the-3rd-sure-nijmegen-2021.html>
- 7-12 July 2019** Organizer of the symposium: “Idealizations in Computational Neuroscience: Facticity, Pragmatics and the Coding Heuristics” at the 2019 Meeting of the International Society for the History, Philosophy and Social Studies of Biology in Oslo, Norway. Participants: Cédric Brun, Daniel Kostic, and Nicolas Rougier.
- 5-6 February 2019** Co-Organizer (with Kareem Khalifa and Cédric Brun), Inaugural Workshop “Scientific Understanding and Representation (SURE)” at University Bordeaux Montaigne, France. <http://daniel-kostic.weebly.com/sure-workshop.html>
- 4-6 April 2018** Organizer, International workshop "Levels, Hierarchies and Asymmetries" at the Ecole normale supérieure in Paris, France. <https://daniel-kostic.weebly.com/workshops.html>
- 03 November 2017** Organizer, International workshop "Understanding from models" at the IHPST in Paris, France. <https://kostic-workshops.weebly.com>
- 28-29 June 2017** Organizer, International workshop “Unifying the debates: mathematical and non-causal explanations” at the IHPST in Paris, France. <http://kostic.weebly.com>
- 6-8 November 2014** Organizer, Symposium “What’s New in Network Analysis” at the Twenty-Fourth Biennial Meeting of the Philosophy of Science Association in Chicago. Participants: Danielle S. Bassett, Carl F. Craver, Philippe Huneman, Sonia Kéfi and Daniel Kostic.

### ❖ Editorial and refereeing experience

**Editorial work in** *Philosophical Transactions of the Royal Society B: Biological Sciences* • *Perspectives on Science* • *Synthese* • *Treci Program*.

**Reviewer for** *Philosophers' Imprint* • *Analysis* • *Neuroimage* • *The British Journal for the Philosophy of Science* • *Philosophy of Science* • *Synthese* • *Erkenntnis* • *Minds and Machines* • *Studies in History and Philosophy of Science* • *European Journal for Philosophy of Science* • *International Journal for the Philosophy of Science* • *Philosophical Psychology* • *Topoi: An International Review of Philosophy* • *Theory in Biosciences* • *Foundations of Science* • *Organon F* • *Croatian Journal of Philosophy* • *Theoria* • *Belgrade Philosophical Annual*.



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## CONFERENCE PRESENTATIONS

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### ❖ Peer-reviewed Conference Presentations

- 10—13 November 2022** “On the Role of Perspectival Constraints in Scientific Explanations”, within the Symposium "Constraints and Scientific Explanation" at the 28th Biennial Meeting of the Philosophy of Science Association meeting in Pittsburgh, USA. Participants: Marc Lange, Dani Bassett, Daniel Kostic, and Lauren Ross.
- 15—17 August 2022** "Empirical Evidence for the Claims About the Pervasiveness of “Mechanisms” in Life Sciences" at the GWP.2022 The Fourth International Conference of the German Society for Philosophy of Science, Technische Universität Berlin. With Willem Halffman.
- 02—04 July 2022** "Empirical Evidence for the Claims about the Pervasiveness of “Mechanisms” in Brain and Life Sciences" at the 9th Biennial Conference of the Society for Philosophy of Science in Practice in Ghent, Belgium. With Willem Halffman.
- 11-14 November 2021** “Veridicality Problem in Non-Causal Explanations”, at 27th Biennial Meeting of the Philosophy of Science Association in Baltimore, USA.
- 05-10 July 2021** “Can Structure Explain Function in the Brain?” at the Networks 2021: A Joint Conference of Sunbelt and NetSci, USA, with Henk de Regt, Leon de Bruin and Marc Slors.
- 15-17 April 2021** “Perspectivism and Vertical-Horizontal Explanatory Modes in Ecological Networks”, at 3rd Scientific Understanding and Representation (SURE) workshop organized at ISiS, Radboud University, with Nathalie Niquil and Quentin Nogues.
- 11-14 September 2019** “Non-causal Understanding via Spatially Embedded Networks in the Brain”, presentation at the EPSA19, at the University of Geneva, Switzerland.
- 5-10 August 2019** “Facticity of Understanding in Non-causal Explanations”, presentation at CLMPST2019: 16th International Congress of Logic, Methodology and Philosophy of Science and Technology at the Institute of Philosophy of the Czech Academy of Sciences, in Prague, Czech Republic.
- 7-12 July 2019** “Non-causal Understanding via Spatially Embedded Networks in the Brain” within the symposium: “Idealizations in Computational Neuroscience: Facticity, Pragmatics and the Coding Heuristics” at the 2019 Meeting of the International Society for the History, Philosophy and Social Studies of Biology in Oslo, Norway.
- 25-27 February 2019** “Non-causal Explanatory Asymmetries” at the triennial conference of the German Society for Philosophy of Science (GWP.2019), at the University of Cologne, Germany.
- 19-21 September 2018** “Topological Controllability of the Brain & Non-causal Explanatory Asymmetries” at the Causality in the Neuro and Psychological Sciences, University of Antwerp, Belgium.
- 4-6 July 2018** "Minimal Structure Explanations, Scientific Understanding and Explanatory Depth", at the Société de philosophie des sciences 2018 conference in Nantes, France.
- 23-25 May 2018** “Minimal Structure Explanations, Scientific Understanding and Explanatory Depth”, at the Workshop: "Explanation and Understanding", Ghent University. The workshop is organized by the Centre for Logic and Philosophy of Science (Ghent

University) and the Research Group Philosophy of Science and Technology (VU University Amsterdam) in Ghent, Belgium.

- 14-17 August 2017** “Understanding and the Structure of Topological Explanation in Neuroscience: a Noetic Account” poster presentation at the 25th Annual Meeting of the European Society for Philosophy and Psychology, the University of Hertfordshire, UK.
- 14-16 December 2016** "Topological Controllability of the Brain: a Case of Non-causal Interventionism" at the Third Lisbon International Conference on Philosophy of Science: Contemporary Issues (LICPOS), The Centre for Philosophy of Science of the University of Lisbon (CFCUL), Portugal.
- 27-29 June 2016** "Topological Controllability of the Brain: a Case of Non-causal Interventionism" at CitSotMaB2016: Causality in The Sciences of The Mind and Brain Aarhus University, Denmark.
- 29 June– 1 July 2016** "Mathematical Features and Ontic Commitments in Topological Explanation" at 6<sup>e</sup> congrès de la société de philosophie des sciences (SPS) University of Lausanne, Switzerland.
- 23-26 September 2015** “Non-causal Features of Topological Explanations: Expanding the Notions of Interventions, Counterfactual Dependencies and Difference-makers”, presentation at the EPSA15, at the Duesseldorf Center for Logic and Philosophy of Science (DCLPS) at Heinrich Heine University Duesseldorf, Germany.
- 8-11 September 2014** “Does Network Analysis Provide a Novel Kind of Topological Explanations in Life and Brain Sciences?”, at the International Conference “Causality and Complexity in the Sciences”, at the University of Cologne, Germany.
- 07 June 2009** “The Explanatory Gap Problem: How Neuroscience Might Contribute to its Solution”, a poster presentation at the ASSC13 (Association for the Scientific Study of Consciousness) conference in Berlin, Germany.
- ❖ **Invited talks**
- 23 June 2021** "Perspectivism and Vertical-Horizontal Explanatory Modes in Ecological Networks", at The Carl Friedrich von Weizsäcker-Colloquium, University of Tübingen, Germany. With Nathalie Niquil.
- 12 March 2021** "Veridicality Problem in Non-Causal Explanations" at the workshop: Transdisciplinary Model Transfer and its Interfaces, in Vienna, Austria.
- 13 October 2020** “Understanding the Relationship Between Structural and Functional Connectivity?” at Neurophilosophy seminar at VU Amsterdam, The Netherlands. With Henk de Regt, Leon de Bruin, and Marc Slors.
- 23 January 2020** "Towards a Unifying Account of Causal and Non-causal Explanations" at the Konrad Lorenz Institute for Evolution and Cognition Research (KLI), Vienna-Klosterneuburg, Austria.
- 22 October 2019** "Towards a Unifying Account of Causal and Non-causal Explanations" at the Institute for Science in Society, Radboud University, Nijmegen, the Netherlands.
- 11 June 2019** "Unifying Account of Causal and Non-causal Explanations" at the Duesseldorf Center for Logic and Philosophy of Science, Heinrich Heine University Duesseldorf, Germany.



<b>13 February 2019</b>	"Unifying the Essential Concepts of Biological Networks: Explanatory Directionality" at the Laboratory BOREA - Biologie des Organismes et Ecosystèmes Aquatiques Université de Caen-Normandie, France.
<b>15 November 2018</b>	"Topological Controllability of the Brain & Non-causal Explanatory Asymmetries" at the Department of the History of Science at Tsinghua University in Beijing, China.
<b>15-16 February 2018</b>	"Non-causal Asymmetries in Topological Explanation", at the workshop: Explanatory Practices: Interaction, Dialogues, and Cognitive Processes, organized by the Center for Philosophy of Sciences (CFCUL) of the University of Lisbon, Portugal.
<b>12 December 2017</b>	"Topological Asymmetries and the Norms for Distinguishing Explanatory and Representational Role of Mathematics in Scientific Explanation" at the workshop Applicability of Mathematics: Representation and Explanation', University of Leeds, UK.
<b>01 December 2017</b>	"Minimal Structure Explanations and Explanatory Depth" in the Genoa-Turin Seminars on Neural Mechanisms, Turin, Italy.
<b>06-07 March 2015</b>	"Topological Models and Minimal Model Explanations", invited talk at the Meeting of the Danish Society for Philosophy in Aarhus, Denmark.
<b>27 March 2012</b>	"On the Difference Between the Explanatory Gap and the Hard Problem of Consciousness and Why it Matters", invited talk at the Laboratory for Experimental Psychology of the University of Novi Sad, Serbia.
<b>17 Feb-02 Mar 2012</b>	"Conscious-state Anti-realism" (by Pete Mandik) invited commentary at the Fourth Online Consciousness Conference.

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### RESEARCH STAYS

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<b>Oct-Dec 2009</b>	King's College London, worked with Prof. David Papineau.
<b>May 2007</b>	Otto-Von-Guericke-Universität Magdeburg, worked with Prof. Michael Pauen.

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### MEMBERSHIPS OF SCIENTIFIC SOCIETIES

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Society for Philosophy of Science in Practice (SPSP) • Philosophy of Science Association (PSA) • European Philosophy of Science Association (EPSA) • German Society for Philosophy of Science (GWP) • French Society for Philosophy of Science (SPS) • Danish Society for Philosophy • The Federation of European Neuroscience Societies (FENS).

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### LANGUAGES

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English (Fluent) • German (Intermediate) • Russian (Intermediate) • Dutch (Beginner) • French (Beginner).

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## REFERENCES

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