

Faculty of Philosophy
New College of the Humanities
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IOANNIS VOTSIS

GENERAL INFORMATION

Current Positions: 09/2014 – *Senior Lecturer and Co-Director of the Diploma*, New College of the Humanities.

Past Positions: 04/2019 – 04/2020 *Programme Developer* for UCS-NCH MSc in Data Science. [Institute of Coding funding].

09/2016 – 08/2019 *Fellow*, Department of Philosophy, Logic and Scientific Method, London School of Economics.

07/2013 – 06/2015 *Assistant Director and Research Fellow*, Düsseldorf Center for Logic and Philosophy of Science (DCLPS).

09/2012 – 03/2015 *Visiting Research Fellow*, Department of Methodology, History and Theory of Science, University of Athens. [EU and Greek Government funding].

07/2011 – 06/2015 *Research Fellow*, Collaborative Research Centre 991: The Structure of Representations in Language, Cognition, & Science, University of Düsseldorf. [DFG funding].

07/2006 – 06/2015 *Teaching Fellow*, Philosophy Institute, University of Düsseldorf.

08/2008 – 07/2011 *Research Fellow*, FOR600, University of Düsseldorf. [DFG funding].

08/2010 – 12/2010 *Visiting Research Fellow*, Center for Philosophy of Science, University of Pittsburgh.

09/2004 – 06/2006 *Teaching Fellow*, Philosophy Department, University of Bristol.

Education: 2004 PhD Philosophy, London School of Economics
'The Epistemological Status of Scientific Theories: An Investigation of the Structural Realist Account'

Supervisors: Prof. John Worrall and Prof. Michael Redhead FBA
Examiners: Prof. Peter Lipton (University of Cambridge); Prof. Donald Gillies (University College, London)

1998 BA Philosophy, University of California, Berkeley

Distinction in General Scholarship.
Undergraduate Thesis Supervisor: Prof. John Searle

PUBLICATIONS

Articles/Chapters:

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40. (2020) 'Theory-Ladenness: Testing the Untestable', *Synthese*, vol. 197(4): 1447–1465.
39. (2019) 'Vale la pena debatir acerca del realismo científico?', in B. Borge and N. Gentile (eds.), *La ciencia y el mundo inobservable. Discusiones contemporáneas en torno al realismo científico*, Buenos Aires: EUDEBA.
38. (2018) 'Structural Realism and its Variants', in J. Saatsi (ed.), *The Routledge Handbook of Scientific Realism*, London: Routledge, pp. 108-119.
37. (2018) 'Putting Theory-Ladenness to the Test', *Cognitive Science Society Proceedings*, 2630-2635.
36. (2017) 'Unification through Confirmation', EPSA15 Selected Papers, *European Studies in Philosophy of Science*, vol 5, Berlin: Springer, pp. 83-93.
35. (2016) 'Philosophy of Science and Information', in L. Floridi (ed.), *The Routledge Handbook of Philosophy of Information*, London: Routledge, pp. 249-262.
34. (2016) 'Ad Hoc Hypotheses and the Monsters within' in V. C. Müller (ed.), *Fundamental Issues of Artificial Intelligence* (Synthese Library), Berlin: Springer, pp. 299-313.
33. (2015) 'Perception and Observation Unladen', *Philosophical Studies*, vol. 172(3): 563-585.
32. (2015) 'Unification: Not Just a Thing of Beauty', *Theoria: An International Journal for Theory, History and Foundations of Science*, vol. 30(1): 97-114.
31. (2014) 'Objectivity in Confirmation: Post-Hoc Monsters and Novel Predictions', *Studies in History and Philosophy of Science*, vol. 45(1): 70-78.
30. (2014) 'Reconstructing Scientific Theory Change by Means of Frames', in T. Gamerschlag et al. (eds.), *Frames and Concept Types*, Studies in Linguistics and Philosophy, vol. 94, Springer, pp. 93-109. [secondary author, lead author: G. Schurz]
29. (2012) 'Putting Realism in Perspectivism', *Philosophica*, vol. 84: 85–122.

28. (2012) 'A Frame-Theoretic Analysis of Two Rival Conceptions of Heat', *Studies in History and Philosophy of Science*, vol. 43(1): 105-114, [lead author, secondary author: G. Schurz].
27. (2011) 'The Prospective Stance in Realism', *Philosophy of Science*, vol. 78(5): 1223-1234.
26. (2011) 'Data meet Theories: Up, Close and Inferentially Personal', *Synthese*, vol 182(1): 89-100.
25. (2011) 'Everything You Always Wanted to Know about Structural Realism but Were Afraid to Ask', *European Journal for the Philosophy of Science*, vol. 1(2): 227-276, [co-authored with R. Frigg].
24. (2011) 'How not to be a Realist', in E.M. Landry and D. Rickles (eds.), *Structure, Objects and Causality*, Western Ontario Series in Philosophy of Science, vol. 77, Springer, pp. 59-76.
23. (2011) 'Structural Realism: Continuity and its Limits', in A. Bokulich and P. Bokulich (eds.), *Scientific Structuralism*, Boston Studies in the Philosophy of Science, vol. 281, Springer, pp. 105-117.
22. (2011) 'Saving the Intuitions: Polythetic Reference', *Synthese*, vol. 180(2): 121-137.
21. (2010) 'Making Contact with Observations', in M. Suárez, M. Dorato and M. Rédei (Eds.) *EPSA Philosophical Issues in the Sciences. Launch of the European Philosophy of Science Association*, vol. 2, Springer, pp. 267-277.
20. (2009) 'Δομικός Ρεαλισμός: Ιστορική Συνοχή και τα Όρια της', Proceedings of the 5th Pan-Hellenic Conference in the History, Philosophy and Teaching of Natural Sciences.
19. (2007) 'Uninterpreted Equations and the Structure-Nature Distinction', *Philosophical Inquiry*, vol. 29(1-2): 57-71.
18. (2005) 'The Upward Path to Structural Realism', *Philosophy of Science*, vol. 72(5): 1361-1372.
17. (2003) 'Is Structure Not Enough?', *Philosophy of Science*, vol. 70(5): 879-890.
- Editorial Work:** 16. (forthcoming) 'Towards Foolproof Democracy: Advancing Public Debate and Political Decision Making (PART II)', *Moral Philosophy and Politics*, co-edited with David Lanius.

15. (forthcoming) 'Computationalism meets the Philosophy of Information', *Review of Philosophy and Psychology*, co-edited with Brian Ball and Fintan Nagle. Contributors: M. Artiga, R. Cao, F. Fallon, N. Fresco, C. Maley, S. F. Mann, M. Sprevak and M. Rescorla.

14. (2019a) 'Towards Foolproof Democracy: Advancing Public Debate and Political Decision Making (PART I)', *Moral Philosophy and Politics*, co-edited with David Lanius.

13. (2019b) 'The Mind and Brain in the works of Daniel Dennett and Nicholas Humphrey', *Topoi*, co-edited with Brian Ball and Fintan Nagle. Contributors: M. Artiga, V. F. Castro, P. Coelho Mollo, D. Dennett, M. Eronen, F. Fallon, R. Gervais, V. Hardcastle, N. Humphrey and C. Rathkopf.

12. (2015a) *Recent Developments in the Philosophy of Science: EPSA13 Helsinki*, Springer, co-edited with Uskali Mäki, Stéphanie Ruphy & Gerhard Schurz.

11. (2015b) 'Unification and Coherence', *Theoria: An International Journal for Theory, History and Foundations of Science*, vol. 30(1): 7-114, co-edited with Gerhard Schurz. Contributors: V. Gijsbers, M. Schippers, J. N. Schupbach, G. Schurz, M. Siebel and I. Votsis.

10. (2015c) 'Theory-Ladenness of Experience', *Journal for General Philosophy of Science*, vol. 46(1): 83-214, co-edited with Gerhard Schurz and Michaela Tacca. Contributors: B. Brewer, A. Franklin, E. Fridland, M. Kusch, R. McCauley, A. Raftopoulos, E. Schmidt and G. Schurz.

9. (2014) 'Novel Predictions', *Studies in History and Philosophy of Science Part A*, vol. 45(1): 43-108, co-edited with Gerhard Schurz and Ludwig Fahrback. Contributors: E. Barnes, M. Carrier, D. Mayo, C. Menke, S. Schindler, G. Schurz, I. Votsis, and J. Worrall.

8. (2011) 'Scientific Realism Quo Vadis? Theories, Structures, Underdetermination and Reference', *Synthese*, vol. 180(2), co-edited with Gerhard Schurz. Contributors: L. Fahrback, S. French, M. Friedman, M. Carrier, P. Hoyningen-Huene, J. Ladyman, H. Leitgeb, H. Lyre, F.A. Muller, S. Psillos, G. Schurz, I. Votsis, and J. Worrall.

Reviews & Reports:

7. (2014) 'Trivial Pursuit: The Case of the Travelling Facts', review of Peter Howlett and Mary S. Morgan's (Eds.) *How Well do Facts Travel?*, *Metascience*, vol. 23(1): 149-152.

6. (2009) Review of Anjan Chakravartty's *A Metaphysics for Scientific Realism: Knowing the Unobservable*, *Analysis*, vol. 69(2):378-380.

5. (2009) Report: 'Theoretical Frameworks and Empirical Underdetermination', *Journal for General Philosophy of Science*, vol. 40 (1):137-140.

4. (2008) Review of Yemima Ben-Menahem's Conventionalism, *Studies in History and Philosophy of Modern Physics*, vol 39(1): 234-237.

3. (2008) Report: 'Theoretical Frameworks and Empirical Underdetermination', *The Reasoner*, vol. 2(6): 5-6.

2. (2007) Review of Kyle Stanford's Exceeding our Grasp: Science, History and the Problem of Unconceived Alternatives, *International Studies in the Philosophy of Science*, vol. 21(1): 103-106.

1. (2003) Review of Ilkka Niiniluoto's Critical Scientific Realism, *Philosophy of Science*, vol.70(2): 444-447.

Under Review:

'The Parallel Lives of Theories and Concepts'

'Manipulable and Non-Manipulable Computation'.

'Intrinsic Properties: Unbinding the Spell'.

In Preparation (books):

Structural Realism, monograph.

Universal Empiricism, monograph.

In Preparation (articles):

'Empiricism Unchained'

'Logic as Ultra-Physics'

'Evidential Equivalence'

'The Observation-Ladenness of Theory'

'Voting Rights and Responsibilities'

'A Material Theory of Similarity'

FUNDING

Seed funding:

2019-2021 Northeastern University TIER 1 funding:
'Learning Critical Reasoning Skills: A Machine-Learning Perspective' (co-principal investigator).

Post-doctoral:

2011 - 2015 German Research Foundation (Deutsche Forschungsgemeinschaft): 'A frame-theoretic investigation of unification and reduction in scientific theories' (project leader: Gerhard Schurz).

2012 – 2014 EU and Greek Government Funds: ‘Aspects and Prospects of Realism in the Philosophy of Science and Mathematics’ (project leader: Stathis Psillos).

2008 - 2011 German Research Foundation (Deutsche Forschungsgemeinschaft): 'A frame-theoretic investigation of the dynamics of scientific theories' (project leader: Gerhard Schurz).

2004 - 2007 Spanish Ministry of Science and Innovation, Juan de la Cierva Programme, elected for a 3-year postdoc, [NB: I declined this post]

Doctoral:

LSE Research Studentship 1999-2000, 2001-2002, 2002-2003.

RESEARCH GROUPS

2019 – Northeastern University and New College of the Humanities, Learning Critical Reasoning Skills: A Machine-Learning Perspective Project.

2015 – New College of the Humanities, Cognitive Science Research Group.

2011 – 2015 University of Duesseldorf, Project B4: ‘A frame-theoretic investigation of unification and reduction in scientific theories’, part of the Collaborative Research Centre CRC 991 ‘The Structure of Representations in Language, Cognition, and Science’ funded by the German Research Foundation (DFG).

2012 – 2014 University of Athens, ‘Aspects and Prospects of Realism in the Philosophy of Science and Mathematics’, funded by the EU and the Greek Government

2008 – 2011 University of Duesseldorf, Project B6: ‘A frame-theoretic investigation of the dynamics of scientific theories, their conceptual systems and their realistic reference’, part of the interdisciplinary group FOR 600 ‘Functional Concepts and Frames’ funded by the DFG - German Research Foundation.

2000 - 2004 London School of Economics, Centre for Philosophy of Natural and Social Science

- Research Assistant for *Structuralism* project
- Research Assistant for *Darwin@LSE* project

RESEARCH GRANT REVIEWING

Alexander von Humboldt-Stiftung (Georg Forster Research Fellowship Programme), Germany

REFEREEING WORK

Journals:

Acta Biotheoretica
Analysis
Australasian Journal of Philosophy
British Journal for the Philosophy of Science
Dialectica
Erkenntnis
European Journal for the Philosophy of Science
Foundations of Science
International Studies in the Philosophy of Science
Journal for General Philosophy of Science
Mind
Moral Philosophy and Politics
Philosophy of Science
Philosophical Papers
Philosophical Studies
Polish Journal of Philosophy
Review of Philosophy and Psychology
Science and Education
Studies in History and Philosophy of Modern Physics
Studies in History and Philosophy of Science
Synthese
Theoria (Swedish)
Theoria (Spanish)
Topoi

Chapters in Books:

Peter Vickers (ed.) (2018) *Contemporary Scientific Realism and the Challenge from the History of Science*, Oxford: Oxford University Press.

Claus Beisbart and Stephan Hartmann (eds.) (2011) *Probabilities in Physics*, Oxford: Oxford University Press.

Stephan Hartmann and Luc Bovens (eds.) (2006) *Nancy Cartwright's Philosophy of Science*, London: Routledge Press.

Book Proposals:

Routledge Press
Sage Publishers

Encyclopaedias:

Internet Encyclopedia of Philosophy

ACADEMIC/EDITORIAL BOARDS

Advisory Boards:

Analytica

Centre for Philosophy of Natural and Social Science, London School of Economics.

SELECTED TALKS

- Invited/Keynote/Public: February 2020 – ‘The Parallel Lives of Concepts and Theories’, University of Cyprus.
- November 2019 – ‘Observational Judgment Convergence and Veridicality’, Northeastern University.
- July 2019 – ‘The Logic of the Scientific Realism Debate’, Heinrich Heine Universitaet Duesseldorf.
- June 2019 – ‘Concept Defectiveness and Amelioration’, National Autonomous University of Mexico (UNAM).
- May 2019 – ‘Informed Voting’, CHESS, University of Durham.
- February 2019 – ‘Theory-ladenness: Testing the untestable?’, TINT, University of Helsinki.
- June 2018 – ‘Taking up Space: The Case of the Ether’, From Space to Spacetime Conference, University of Oxford.
- February 2018 – ‘Will I work for AI or will AI work for me?’, (panellist), LSESU Economics Symposium, London School of Economics.
- August 2017 – ‘The Physics of Intrinsic Properties’, University of Mainz.
- July 2017 – ‘Philosophical Debates about Models and Representations: What are they Good for?’, Models and Explanations in Economics, University of Rostock.
- June 2017 – ‘Will Tomorrow be Another Day?’, TEDx talk hosted by SouthBank International London.
- May 2017 – ‘Artificial Intelligence and Philosophy: Some Themes’, Real Time Club, London.
- January 2017 – ‘Bragging’, PPE Society Fireside Chat, London School of Economics (with Susanne Burri).
- December 2016 – ‘Testing for Theory-Ladenness: The Stimulus Exchange Procedure (and Ostensive Learnability)’, Celebratory Colloquium in Honor of Gerhard Schurz, University of Duesseldorf.
- November 2016 – ‘Why is it Sensible to Trust the Senses?’, Departmental Colloquium, University of Duham.

September 2016 – ‘Is the Scientific Realism Debate Irredeemably Mired?’, Realism, Progress, and Cognitive Values in Science and Philosophy Workshop, University of Trieste.

November 2015 – ‘How to Bring Forward a Desirable Future’, TEDx talk hosted by the University of Nicosia.

May 2015 – ‘Do you See what I See?’, IAI Academy, How the Light Gets in 2015 (Music and Philosophy Festival), Hay-on-Wye.

May 2015 – ‘Is the World a Massive Simulation?’, IAI Academy, How the Light Gets in 2015 (Music and Philosophy Festival), Hay-on-Wye.

May 2015 – ‘How to Really Win an Argument’, IAI Academy, How the Light Gets in 2015 (Music and Philosophy Festival), Hay-on-Wye.

November 2014 – ‘What Makes a Hypothesis Ad Hoc?’, University of Montreal.

November 2014 – ‘Empiricism Unchained: Debunking the Instrument Conspiracy’, University of Western Ontario.

June 2014 – ‘Veridical Perception and Observation’, keynote lecture, Experience and Reality conference, Catholic University in Ružomberok, Slovakia.

March 2014 – ‘The Metaphysical Status of Logical Principles’, Aspects and Prospects of Realism in the Philosophy of Science and Mathematics, University of Athens.

October 2013 – ‘Logic as Ultra-Physics’, California State University Los Angeles.

October 2013 – ‘Positivism in the 21st Century’, graduate seminar, University of California Davis.

October 2013 – ‘Empiricism Unchained’, Bay Area Philosophy of Science, San Francisco State University.

April 2013 – ‘Post-Hoc Monsters and the Frankenstein Theory of Confirmation’, Logos Colloquium, University of Barcelona.

March 2013 – ‘The Houdini Argument for Intrinsic Properties’, The Metaphysics of Scientific Realism Workshop, University of Athens.

Oct. 2012 – ‘Πρωτότυπες Προβλέψεις και η Θεωρία της Επικύρωσης’, Department of Methodology, History and Theory of Science, University of Athens.

Aug. 2012 – ‘Reference for Realists’, Reference and Scientific Realism Symposium, Wuhan University.

June 2012 – ‘Arguing for Scientific Realism: Some Lessons from Confirmation Theory’, Mind, Language, Knowledge: The Perspective of Philosophy, University of Cyprus.

June 2012 – ‘Why Care about the Scientific Realism Debate?’, Plenary Talk, 7th Quadrennial International Fellows Conference, University of Mugla.

Dec. 2011 – ‘The Realist’s Guide to the Universe’, Institute of Science and Technology Studies (IWT), University of Bielefeld.

May 2011 – ‘Runaway Models’, Seminario di Logica e Filosofia della Scienza, Università di Firenze.

May 2011 – ‘Endorsing the Methods of Science’, Dipartimento di Filosofia, Università di Pisa.

May 2011 – ‘Structural Realism meets the Social Sciences’, IMT Institute for Advanced Studies, Lucca.

April 2011 – ‘Philosophy and Science: Past, Present and Future’, The Metaphysical Society’s Annual Symposium, Trinity College Dublin.

Nov. 2010 – ‘Epistemic and Ontic Commitments: In Perfect Alignment?’, Structuralism Workshop, University of Notre Dame.

Sept. 2010 – ‘Structural Realism: From an Epistemological Point of View’, Center for Philosophy of Science, University of Pittsburgh.

June 2010 – ‘Scientific Representation and Perspective’, University of Bochum.

March 2009 – ‘Metaphilosophical Ruminations on Theoretical Term Reference’, Research Seminar in Epistemology and Philosophy of Science, University of Tilburg.

Aug. 2007 – ‘How not to be a Realist or Why we Ought to Make it Safe for Closet Structural Realists to Come out’, Structure, Objects and Causality Workshop, Banff.

Nov. 2006 – ‘Structural Realism 2.0’, Philosophy of Physics Research Seminar, University of Oxford.

June 2006 – ‘Structural Continuity and its Limits’, University of Utrecht.

May 2006 – ‘Seeing the Same Things’, Erasmus University Rotterdam.

March 2006 – ‘Extracting Evidence from Observation’, Division of History and Philosophy of Science, University of Leeds.

Contributed:

November 2020 – ‘Physical Computation: A Tale of Two Notions’, Philosophy of Science Association 2020 Biennial meeting, Baltimore, Maryland.

July 2019 – ‘Will the *Real* Pragmatism Please Stand up’, Reviving Instrumentalism in the Philosophy of Science, University of Durham.

July 2018 – ‘Putting Theory-Ladenness to the Test’ (poster session), CogSci 2018, University of Wisconsin, Madison.

November 2017 – ‘Computation: A Tale of Two Notions’, Philosophy and Theory of Artificial Intelligence, University of Leeds.

November 2016 – ‘A General Case for Scientific Realism... and for Anti-Realism’, PSA 2016, Atlanta.

July 2016 – ‘Materiality does not Equal Lack of Generality’, 8th Quadrennial International Fellows Conference, University of Lund.

July 2016 – ‘Truly Undesirable Hypotheses’, Department of Economics, University of Rostock.

May 2016 – ‘Measurements and Standards: The Case of the Meter’, PSF2016, Doorn.

July 2015 – ‘Why Immaterial Standards Matter’, The Making of Measurement Conference, Centre for Research in the Arts, Social Sciences and Humanities, University of Cambridge.

July 2015 – ‘Can Theory-Laden Effects be Removed?’, 23rd Annual Meeting of the European Society for Philosophy and Psychology, University of Tartu.

July 2015 – ‘How to Make a Long Theory Short’, British Society for the Philosophy of Science Annual Conference, University of Manchester.

November 2014 – ‘Methods and Universality’, Symposium on: ‘The Scientific Method – Revisited’, Philosophy of Science Association 2014 Biennial meeting, Chicago.

July 2014 – ‘Intelligence as Portability in Problem-Solving’, International Association for Computing and Philosophy 2014, Thessaloniki.

Nov. 2013 - ‘An Inferentialist Account of Confirmation’, Inferentialism in Epistemology and Philosophy of Science workshop, University of Madrid.

Sept. 2013 - ‘Science with Artificially Intelligent Agents’, 2nd Conference on the Philosophy and Theory of Artificial Intelligence (PT-AI 2013), University of Oxford.

July 2013 – ‘*The Scientific Method*’, British Society for the Philosophy of Science Annual Conference, University of Exeter.

May 2013 - ‘Objectivity in Confirmation’, Philosophy of Science in a Forest, Dutch Society for the Philosophy of Science.

Nov. 2012 – ‘Επανεκτιμώντας την Εμβέλεια των Προσδιοριστικών Παραγόντων στη Θέση του Υποπροσδιορισμού’, 2nd Panhellenic Conference for the Philosophy of Science.

Nov. 2012 – ‘Universal Empiricism’, Philosophy of Science Association Twenty-Third Biennial Meeting, San Diego [presented in my absence by Otavio Bueno].

July 2012 – ‘The Feeble, Few and Far Between Coincidences Argument for Realism’, British Society for the Philosophy of Science Annual Conference, University of Sterling.

Jan 2012 – ‘Perspectival Realism’, Perspectivalism Workshop, University of Ghent.

July 2011 – ‘Simplicity as a Guide to Falsity?’, 14th Congress of Logic, Methodology and Philosophy of Science, University of Nancy.

July 2011 – ‘Structural Realism and Causation: An Unhappy Marriage?’, British Society for the Philosophy of Science Annual Conference, University of Sussex.

Nov. 2010 – ‘The Prospective Stance in Realism’, Philosophy of Science Association Twenty-Second Biennial Meeting, Montreal.

Oct. 2010 – ‘The Logic of Crucial Experiments’, Philosophy of Scientific Experimentation: A Challenge to Philosophy of Science, University of Pittsburgh.

July 2010 – ‘Heat in Inter-theory Relations’, British Society for the Philosophy of Science Annual Conference, University College Dublin.

June 2010 – ‘Thinking about Scientific Understanding and Explanation as a Structural Realist’, Understanding and the Aims of Science, Lorentz Center, University of Leiden.

May 2010 – ‘The Pessimistic Meta-Inductivist: A Sheep in Wolf’s Clothing?’, Philosophy of Science in a Forest (PSF2010), Dutch Association for the Philosophy of Science.

Oct. 2009 – ‘The Double Life of Evidence: From the Streets to the Labs’, European Philosophy of Science Association Biennial Conference, Free University of Amsterdam.

Sept. 2009 – ‘Structural Realism: Invariance through Theory Change’, SOPHA 2009, University of Geneva.

EVENT ORGANISING

Conferences/Symposia: *Improving Public Debate and Political Decision-Making*, New College of the Humanities, upcoming March 28-29 2019, (jointly funded by the Practical Philosophy Chair, Karlsruhe Institute of Technology and NCH).

Debating Debates, New College of the Humanities, November 10, 2017 (jointly funded by the Duesseldorf Center for Logic and Philosophy of Science and NCH).

Mind and Brain Conference, New College of the Humanities March 25-26, 2016, co-organised with Brian Ball and Fintan Nagle (funded by Analysis Trust, the Aristotelian Society and the British Society for the Philosophy of Science).

European Philosophy of Science Association Biennial Conference 2015, September 23-26, 2015, University of Duesseldorf, member of local organising committee.

The Scientific Method – Revisited, Symposium at PSA 2014, November 6-8, 2014, co-organised with Nancy Cartwright, Clark Glymour, Sam Schindler and Elliott Sober.

Unification and Coherence, January 16, 2014 University of Duesseldorf, co-organised with G. Schurz, supported by the DFG.

The Theory-Ladenness of Experience, March 10-11, 2011 University of Duesseldorf, co-organised with Gerhard Schurz and Michela Tacca, partly supported by the DFG funded FOR 600 (project B6).

Novel Predictions, February 25-26, 2011 University of Duesseldorf, co-organised with Ludwig Fahrback and Gerhard Schurz.

Different Methodologies, One Aim: Evidence and Theory at the Confluence, Symposium at EPSA09, October 21-24, 2009 Free University of Amsterdam, co-organised with Giora Hon, Maarten van Dyck, Dave Lagnado and Jan Willem Romeijn.

Theoretical Frameworks and Empirical Underdetermination Workshop, April 10-12, 2008 University of Duesseldorf, co-organised with Gerhard Schurz, supported by the DFG funded FOR 600 (project B6).

Structural Realism and Newman's Problem, March 23rd 2002 London School of Economics, co-organised with John Worrall – supported by the British Society for the Philosophy of Science.

Colloquia Convenor: *Cognitive Science Research Group*, New College of the Humanities, (Trinity 2018 – ongoing).

Forschungsseminar Theoretische Philosophie, Summer Semester 2013 (with Paul Thorn).

Committees/Refereeing: CogSci (2018, 2014, 2013), CTF12, EUCOG2015, GWP2013, IACAP 14, PT-AI (2013, 2017), 5th Pan-Hellenic Conference in the History, Philosophy and Teaching of Natural Sciences, etc.

TEACHING (years in brackets)

Lectures:

London School of Economics:

- *Philosophy of Science* [UG & PG] (16-17, 17-18)
- *Evidence and Policy* [PG] (17-18)

New College of the Humanities:

- *Critical Reasoning in Science* [UG] (14-20)
- *Epistemology* [UG] (14)
- *Epistemology and Philosophy of Science* [UG] (16-20), [PG] (17-18, 19-20)
- *Logic* [UG] (19-20)
- *Methodology: Induction, Reason and Science* [UG] (15)
- *Science Literacy: History of Science* [UG] (15-16)

University of Bristol:

- *Epistemology* [UG] (05)
- *Philosophy of Science* [intermediate] (04, 05)
- *Philosophy of Science* [advanced] (05, 06)

PG/Advanced Seminars: London School of Economics:

- *Philosophy of Science* (16-17, 17-18)
- *Evidence and Policy* (17-18)

New College of the Humanities:

- *Mind and Reality* (17-19)

- *Epistemology and Philosophy of Science* (17-18, 19-20)

University of Bristol:

- *Scientific Epistemology and Methodology* (05, 06)
- *Philosophical Writing and Research* (04, 05)
- *Philosophy of Biology* [w/Andrew Woodfield] (05)

University of Düsseldorf:

- *The Prospects and Dangers of Machine Intelligence* [w/Paul Thorn] (15)
- *Philosophy of Social Science* [w/Paul Thorn] (14)
- *Meta-Metaphysics* (11)
- *Structural Realism* (11)
- *Philosophy of Logic* (10)
- *Evidence* (09)
- *The Philosophy of Artificial Intelligence* (09)
- *Intuitions* (08)
- *Scientific Realism* (06, 07)
- *The Theory-Ladenness of Observation* (07, 08)

UG Classes/Tutorials:

London School of Economics, Department of Philosophy:

- *Philosophy of Science* (16-17)
- *Reason, Knowledge and Values: An Intro to Philosophy* (03-04)
- *Special Topics in Philosophy of Natural & Social Science* (03-04)
- *Logic* (01-02)
- *Scientific Method* (00-01)
- *Scientific Revolutions* (00-01)
- *Frege and Russell* (99-00)

New College of the Humanities:

- *Epistemology* (14, 16)
- *Epistemology and Philosophy of Science* (16-20)
- *Logic* (19-20)
- *Methodology* (15)

University of Bristol, Department of Philosophy:

- *Introduction to Philosophy A & B* (04, 05)
- *Philosophy of Science* [intermediate and advanced] (05, 06)
- *Epistemology* (04)

Committees:

Co-Director of the Diploma (NCH), Director of Core Courses, Graduate Studies Committee (Bristol), PhD progress interviews (Bristol), Professoriate Liaison (NCH), Staff-Student Committee (Bristol), Teaching and Learning Committee (NCH), etc.

Supervision:

BA and MA thesis supervision, Secondary PhD supervision of Guillaume Maranda (PhD awarded in 2009 by the University of Bristol, primary supervisor: Alexander Bird).

- Examination:** Primary, secondary, moderator & external examination duties.
- Training (received):** Jan. 06, 2016 Teaching and Learning Dissemination Event
Sept. 15, 2015 Staff Training and Development
July 2002 LTSN Workshop on teaching Philosophy of Science
Oct. 1999 Induction Session for Part-time Teachers
Sept. 1999 Introduction to Teaching and Learning Workshop
- Training (offered):** Sept. 24, 2018 *GTA@Home* workshop, organiser and contributor, London School of Economics.
- Oct. 3, 2014 *Theory of Knowledge* Day (How to Teach Philosophy at Schools), New College of the Humanities.

MEMBERSHIPS

American Philosophical Association
Aristotelian Society
British Society for the Philosophy of Science
Cognitive Science Society
European Philosophy of Science Association
Philosophy of Science Association

MEDIA APPEARANCES

- June 2018 – ‘The Ether: Lessons in Theory Choice and Construction’, From Space to Spacetime, hosted by Centre for History and Philosophy of Physics, University of Oxford.
<https://www.youtube.com/watch?v=lyFMMK-BIKw>
- June 2017 – ‘Will Tomorrow be Another Day?’, TEDx talk hosted by SouthBank International London.
<https://www.youtube.com/watch?v=fE7xDjw63Kk&t=709s>.
- Nov. 2015 ‘How to Bring Forward a Desirable Future’, TEDx talk, live streamed and recorded.
<https://www.youtube.com/watch?v=gtF9mgGmvOk>
- Nov. 2015, interview after TEDx talk with SigmaLive radio station.
https://www.youtube.com/watch?v=Ss_w-bp3syI
- Feb. 2015, ‘Five Minutes on Scientific Revolutions’, NCH promotional video.
<https://www.youtube.com/watch?v=c797cc9pUDE>
- Aug. 2014, interview, On What There Is (Realism) Newsletter, Catholic University Ruzomberok.
<https://sites.google.com/site/onwhatthereisrk/newsletter>
- Oct. 2013, two podcast interviews by Tony Sobrado.
<http://thebiggestquestions.org/>

APP DEVELOPER

Designed and coded the free app *The Logic Calculator* (Android, iOS, Windows) which helps students learn formal logic.
<https://apps.apple.com/gb/app/the-logic-calculator/id1484264087>
<https://play.google.com/store/apps/details?id=com.ioannisvotsis.the-logiccalculator>
<https://www.microsoft.com/en-gb/p/the-logic-calculator/9nj6bpckm4mr?activetab=pivot:overviewtab>

MISCELLANEA

Other Work Experience: 1999 – 2000 House of Commons
Internship with Richard Burden MP

1990 – 1992 Cypriot National Guard, Cyprus
Cryptographer for the Telecommunications Division

Languages: Fluent in *English* and *Greek*; intermediate *French*, elementary German

Coding: C#, HTML, Octave/Matlab, Python, Visual Basic and Xaml.

REFERENCES

| | | |
|---|--|---|
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|---|--|---|

Others: Prof. Alexander Bird (Cambridge), Prof. Nancy Cartwright FBA (Durham), Dr. Helena Cronin (LSE), Prof. Steven French (Leeds), Prof. Donald Gillies (UCL), Dr. Naomi Goulder (NCH), the late Prof. Peter Lipton (Cambridge), Prof. Michael Redhead FBA (LSE), Prof. John Worrall (LSE).

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