

# Iñaki San Pedro

3<sup>rd</sup> October, 2018

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## Current Affiliation

Department of Logic and Philosophy of Science  
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## Research Experience

My professional experience in academia spans now a significant period of time and has been driven fundamentally by research. Throughout this time I have developed two main lines of research. On the one hand, my research has revolved around issues concerning causation in physics, and particularly in quantum mechanics. These are questions ranging from general methodological issues linked to probabilistic causation, causal inference or genuine indeterminism, to more specific issues related to the implications of some of our causal preconceptions on notions such as locality, space-time localizability of events, or the identity of events. I have published extensively on such topics, including papers in top-ranked journals in the field, and a monograph in De Gruyter currently in preparation.

On the other hand, my research has focused more recently on issues in connection with the epistemology of computer simulations in general, and more specifically of models and simulations used in climate change studies. In particular, my research tackles questions related to the epistemological particularities of computer simulations and how these have an impact on our understanding of scientific representation. My research interests include as well issues concerning emergence of certain properties in complex systems—and models of climate in particular—, epistemic opacity, and their philosophical and epistemological significance. I am relatively new to this research but some results on it are already on its way to be published (see below).

I have presented the results of my research in over 40 discussion seminars, summer schools, conferences and other scientific meetings at an international level, both as an invited speaker as well as with peer-reviewed contributions.

Besides my work published as an author, I have been involved in the coordination and edition of special issues and volumes, including my current Synthese's SI "Modelling and Representation", of which I am main Guest Editor. (A further monographic section on epistemological and metaphysical issues of emergence is being negotiated to be published at the moment of writing this.)

Furthermore, throughout my career I have had the opportunity to work and collaborate with leading scientists and philosophers in my field of study thanks to a number research stays abroad. I have also participated in a number of funded research projects as part of a research team, and have been successful in attracting funding as well to lead research projects as Principal Investigator.

Finally, I have been involved in the organisation of a number of research seminars, workshops and conferences at an international level, and have also been part of scientific committees and examination boards. I have had the opportunity to gain teaching experience as well, both at a graduate and undergraduate level.

## Qualifications

*MSci Theoretical Physics*, Royal Holloway University of London (2001).

*PhD Philosophy*, University of the Basque Country UPV/EHU, (2008).

Thesis: *Reichenbach's Common Cause Principle and Quantum Correlations*.

## Professional Certifications

*Lecturer Certificate (Acreditación Profesor Contratado Doctor)*, Spanish National Agency for Academic Quality Assessment and Accreditation (ANECA), 2012.

*Private University Lecturer Certificate (Acreditación Profesor Universidad Privada)*, Spanish National Agency for Academic Quality Assessment and Accreditation (ANECA), 2012.

*Assistant Lecturer Certificate (Acreditación Profesor Ayudante Doctor)*, Spanish National Agency for Academic Quality Assessment and Accreditation (ANECA), 2011.

## Awards and Fellowships

Young Researcher Grant, *National Programme for Research Aimed at Challenges of Society*. Spanish Ministry of Economy and Competitiveness, 2015.

*Leonardo Fellowship*. BBVA Foundation, 2014.

Postdoctoral Research Fellowship, "The Causal Power of Information in a Quantum World" research project (University of Queensland). Templeton World Charity Foundation, 2014. ***Declined***.

*Complutense del Amo* Research Scholarship. Complutense University of Madrid, 2012.

*Juan de la Cierva* Post-doctoral Research Fellowship. Funded by the Spanish Ministry of Science and Innovation, 2010.

Post-doctoral Research Fellowship. Funded by the Basque Regional Government, 2009.

Research Training Scholarship (FPI Program). Spanish Ministry of Science and Education, 2003.

European Research Training Networks Scholarship, "Quantum Transport at an Atomic Scale" (QTRANS) Research Training Network (Royal Holloway University of London). European Commission, 2001.

Physics Department Research Summer Grant. Physics Department, Royal Holloway University of London, 2000.

## Research Interests

Computer simulations and models; Modelling and scientific representation; Epistemology, communication and social perception of climate change.

Causality and locality in quantum mechanics and quantum field theory; Causation and space-time; Determinism and indeterminism; Causal inference.

Science education; Science communication.

## Research Positions

- October 2015 – to date. Research Fellow. Department of Logic and Philosophy of Science, University of the Basque Country, UPV/EHU. Donostia-San Sebastián, Spain.
- August 2013 – September 2015. Postdoctoral Researcher. Department of Logic and Philosophy of Science, University of the Basque Country, UPV/EHU. Donostia-San Sebastián, Spain.
- January 2010 – December 2012. *Juan de la Cierva* Fellow. Department of Logic and Philosophy of Science, Complutense University. Madrid, Spain.
- January – December 2009. Basque Regional Government Post-doctoral Fellow. Centre for Philosophy of Natural and Social Sciences (CPNSS), London School of Economics and Political Science (LSE). London, UK.
- June – December 2008. Post-doctoral Researcher. Department of Logic and Philosophy of Science, University of the Basque Country, UPV/EHU. Donostia-San Sebastián, Spain.
- April – June 2008. *DivulgaUNED* Science Communication Project, Spanish Open University (UNED). Madrid, Spain.
- March 2006 – May 2006. Visiting Scholar. Center for Time, University of Sydney. Sydney, Australia.
- September 2003 – August 2007. Graduate Research Student. Department of Logic and Philosophy of Science, Complutense University. Madrid, Spain.
- September 2001 – October 2002. Graduate Research Student. Maths department, Royal Holloway University of London. Egham, Surrey, UK.
- May – October 2000. Undergraduate Research Student. Low Temperature Physics Lab, Physics Department, Royal Holloway University of London. Egham, Surrey, UK.

## Publications

### In preparation

- San Pedro, I. *The Causal, the Uncertain and the Local: From Causality to Non-locality through Indeterminism and Back*. De Gruyter (book in preparation)
- San Pedro, I. “No Need for Catastrophism: A Critical View on Climate Change Narratives.” (In preparation), 2018
- San Pedro, I. “Representing Emergence: Epistemic Opacity and the Constitution of Epistemic Objects in Computer Simulations.” (In preparation), 2018
- San Pedro, I., and A. Ibarra. “Performative Representing with Computer Simulations: Constituting Climate Change Projections.” Special Issue “Modelling and Representation: How to Make World(s) with Symbols,” *Synthese* (In preparation), 2018

### Edited books and Special issues

- San Pedro, I., and A. Ibarra, eds. “Modelling and Representation: How to Make World(s) with Symbols.” *Synthese* Special Issue (forthcoming), 2018

## Articles in journals

- San Pedro, I. “Measurement Independence, Parameter Independence and Non-locality.” *European Journal for Philosophy of Science* 4 (2014): 369–374
- San Pedro, I., and M. Suárez. “Indeterminismo e Inferencia Causal.” *Teorema* 33 (2014): 95–109
- Rédei, M., and I. San Pedro. “Distinguishing Causality Principles.” *Studies in the History and Philosophy of Modern Physics* 43 (2012): 84–89
- San Pedro, I. “Many Worlds: Quantum Theory and Reality?” *Analysis* 72 (2012): 386–395
- San Pedro, I. “Causation, Measurement Relevance and No-conspiracy in EPR.” *European Journal for Philosophy of Science* 2 (2012): 137–156
- San Pedro, I. “Relevancia Causal de la Medida en Experimentos EPR: Consideraciones Ontológicas.” *Azafea* 12 (2010): 19–34

## Book chapters

- San Pedro, I. “On Time Order and Causal Order in the EPR Experiment.” In *Making it Formally Explicit: Probability, Causality and Indeterminism*, edited by G. Hofer-Szabó and L. Wroński, 147–161. Springer, 2017
- San Pedro, I. “On Free Will and No-conspiracy.” In *New Vistas on Old Problems: Recent Approaches to the Foundations of Quantum Mechanics*, edited by T. Sauer and A. Wüthrich, 87–102. Berlin: Edition Open Access, Max Planck Research Library for the History and Development of Knowledge, 2013
- San Pedro, I. “Violation of Measurement Independence without Conspiracy.” In *Proceedings of the VII Conference of the Spanish Society for Logic, Methodology and Philosophy of Science*, edited by C. M. Vidal et al., 520–528. Universidade de Santiago de Compostela, 2012
- San Pedro, I. “Venetian Sea Levels, British Bread Prices and Reichenbach’s Principle of the Common Cause: A Reassessment.” In *EPSA Philosophy of Science: Amsterdam 2009*, edited by S. O. H. de Regt and S. Hartmann, 341–354. Dordrecht, Heidelberg, London and New York: Springer Verlag, 2011
- Suárez, M., and I. San Pedro. “Causal Markov, Robustness and the Quantum Correlations.” In *Causes, Probabilities and Propensities in Physics*, edited by M. Suárez, 173–193. Synthese Library. Springer, 2010
- San Pedro, I., and M. Suárez. “Reichenbach’s Common Cause Principle and Indeterminism: A Review.” In *Philosophical Essays in Physics and Biology*, edited by J. L. González-Recio, 223–250. Georg Olms Verlag, 2009. Also as *Contingency and Dissent in Science* Technical Report 07/08, CPNSS, LSE.
- San Pedro, I. “Common Causes, Measurement Dependence and No-conspiracy: Ontological Implications.” In *Proceedings of the VI Conference of the Spanish Society for Logic, Methodology and Philosophy of Science*, edited by J. Alcolea et al., 427–432. Universitat de València, 2009

## Other publications

- San Pedro, I., and A. Ibarra. “Introduction to the Special Issue “Modelling and Representation: How to Make World(s) with Symbols”.” *Synthese* (forthcoming), 2018

San Pedro, I., and M. Suárez. *Reichenbach's Common Cause Principle and Indeterminism: A Review*. Contingency and Dissent in Science Technical Report 07/08. Centre for the Philosophy of the Natural and Social Sciences, LSE, 2008

Suárez, M., and I. San Pedro. *EPR, Robustness and the Causal Markov Condition*. LSE-CPNSS Discussion Paper 04/07. Centre for the Philosophy of the Natural and Social Sciences, LSE, 2007

## Research Projects (\* as Principal Investigator)

\* *Climate Change Models and Simulations as Interventive Representations: Uncertainty, Evidence and Confirmation* (Modelos y Simulaciones de Cambio Climático como Representaciones Interventivas: Incertidumbre, Evidencia y Confirmación). Funded by Spanish Ministry of Economy and Competitiveness (MINECO), project FFI2014-60403-JIN. 157300 €  
Start date 08/2015 – end date 07/2018.

*Probability in Science: Propensities, Statistics, and Conditional Logic*. Funded by the Spanish Ministry of Economy and Competitiveness (MINECO), project FFI2014-57064-P. Principal Investigator: Mauricio Suárez (Complutense University of Madrid). 40000 €  
Start date 01/2015 – end date 12/2017.

\* *Causality, Locality and Free Will in Quantum Mechanics* (Causalidad, Localidad y Libre Albedrío en la Mecánica Cuántica). Funded by BBVA Foundation. *Principal Investigator*. 16900 €  
Start date 12/2014 – end date 11/2015.

*Science in Society* (La Ciencia en Sociedad). Funded by the Department of Education, Language Policy and Culture, Basque Regional Government, project IT644-13. Principal Investigator: Andoni Ibarra (University of the Basque Country, UPV/EHU).  
Start date 01/2013 – end date 12/2018.

*Causality, Inference and Science* (Causalidad, Inferencia y Ciencia). Funded by the Spanish Ministry of Science and Innovation, project FFI2011-29834-C03-01. Principal Investigator: Mauricio Suárez (Complutense University of Madrid).  
Start date 01/2012 – end date 12/2014.

*netCREP* (Culturas, Representaciones, Espacios y Prácticas). Funded by the Department of Education, Madrid Regional Government. Net coordinator: Javier Ordóñez (Autonomous University Madrid).  
Start date 01/2010 – end date 12/2011.

*Quantum Propensities and Quantum Probabilities: Representation and Application* (Propensiones y Probabilidades Cuánticas: Representación y Aplicación). Funded by the Spanish Ministry of Science and Education, project FFI2008-06418-C03-01. Principal Investigator: Mauricio Suárez (Complutense University of Madrid).  
Start date 10/2008 – end date 12/2011.

*Methods of Causal Inference and Scientific Representation* (Métodos de Inferencia Causal y Representación Científica). Funded by Complutense University Madrid. Principal Investigator: Mauricio Suárez (Complutense University of Madrid).  
Start date 01/2006 – end date 12/2008.

*Causality, Propensities and Causal Inference in Quantum Physics* (Causalidad, Propensiones e Inferencia Causal en Física Cuántica). Funded by the Spanish Ministry of Science and Education, project HUM2005-01787-C03-01. Principal Investigator: Mauricio Suárez (Complutense University of Madrid).  
Start date 10/2005 – end date 10/2008.

*Causality, Determinism and Probability in Quantum Mechanics and Relativity Theory* (Causalidad, Determinismo y Probabilidad en la Mecánica Cuántica y la Teoría de la Relatividad). Funded by the Spanish Ministry of Science and Technology, project BFF2002-01552. Principal Investigator: Mauricio Suárez (Complutense University of Madrid).  
Start date 10/2002 – end date 10/2005.

*Quantum Transport on an Atomic Scale (QTRANS)*, European Commission Research Training Networks. Funded by CORDIS, European Union. Coordinator: Francesca Mota Furtado (Royal Holloway University of London).  
Start date 10/2000 – end date 10/2003.

## Research Stays Abroad

- (2017). Academy of Finland Centre of Excellence in the Philosophy of Social Sciences (TINT), Academy of Finland/University of Helsinki, Finland. (3 weeks).
- (2016). Centre for Philosophy of Natural and Social Science (CPNSS), London School of Economics and Political Science (LSE), UK. (2 weeks).
- (2009). Centre for Philosophy of Natural and Social Science (CPNSS), London School of Economics and Political Science (LSE), UK. (52 weeks).
- (2006). Instituto de Investigaciones Filosóficas, UNAM, México. (4 weeks).
- (2006). Center for Time, University of Sydney, Australia. (13 weeks).
- (2005). Department of History and Philosophy of Science, Eötvös Loránd Tudományegyetem (ELTE), Budapest, Hungary. (13 weeks).
- (2004). Department of History and Philosophy of Science, Eötvös Loránd Tudományegyetem (ELTE), Budapest, Hungary. (9 weeks).

## Talks and Presentations (\* invited / \*\* peer reviewed contribution)

- (2017)\* “Representing Emergence”, *Emergence: Epistemological and Metaphysical Issues*, University of the Basque Country, UPV/EHU, Donostia-San Sebastián, Spain, 26-27 Oct 2017.
- (2017)\*\* “Computer Simulations, Emergence and Scientific Representation”, *4th International Conference on the History and Philosophy of Computing (HaPoC17)*, Masaryk University, Brno, Czech Republic, 4-7 Oct 2017.
- (2017) “Computer Simulations, Emergence and Scientific Representation”, *TINT Philosophy of Science (PoS) Seminar*, University of Helsinki, Helsinki, Finland, 11 Sep 2017.
- (2017)\*\* “No Need for Catastrophism”, *Climate Ethics and Climate Economics: Risk, Uncertainty and Catastrophe Scenarios*, Center for the Study of Existential Risk, University of Cambridge, Cambridge, UK, 9-10 May 2017.
- (2016)\* “Representing and World Making: Computer Simulations of Climate Change”, *A Year Without a Winter: Fictions and Policy*, EU Joint Research Center, Ispra, Italy, 17-18 Nov 2016.
- (2016)\*\* “Performative Representing with Computer Simulations” (with Andoni Ibarra), *Models and Simulations 7 Conference (MS7)*, University of Barcelona, Spain, 18-20 May 2016 (contributed paper).
- (2016)\* “Climate Change Models and Simulations as Performative Representations: Uncertainty, Evidence and Confirmation”, *BC3 Research Seminar*, Basque Center for Climate Change (BC3), Bilbao, Spain, 16 February 2016.

- (2015)\* “Performative Representing with Computer Simulations”(with Andoni Ibarra), *Modelling and Representation. How to make World(s) with Symbols* Conference, University of the Basque Country UPV/EHU, Donostia-San Sebastián, Spain, 10-12 December 2015.
- (2015)\* “Two Sources of Non-locality in Quantum Mechanics?”, *Causality and Non-locality in Physics (Quantum and Classical)* International Workshop, University of the Basque Country UPV/EHU, Donostia-San Sebastián, Spain, 12-13 November 2015.
- (2015)\* “Two Sources of Non-locality in Quantum Mechanics”, *Causality in a Quantum World* International Conference, University of Queensland, Australia, 16-21 August 2015.
- (2015)\*\* “Spacetime Regions, Events and Correlations”, VII Conference of the Spanish Society for Logic, Methodology and Philosophy of Science (SLMFCE), University of Barcelona, Spain, 7-10 July 2015.
- (2015)\* “Two Sources of Non-locality in Quantum Mechanics”, *The Budapest-Krakow Research Group on Probability, Causality and Determinism* International Workshop, Hungarian Academy of Sciences, Budapest, Hungary, 21-22 May 2015.
- (2013) “Temporal Order, Causal Order and Non-locality in EPR”, *PRAXIS Seminar*, Universidad del País Vasco UPV/EHU, Spain, 20 February 2013.
- (2012c) “Temporal Order, Causal Order and Non-locality in EPR”, *PERSP Space & Time Seminar*, Universitat Autònoma de Barcelona, Spain, 19 November 2012.
- (2012b)\* “Temporal Order, Causal Order and Non-locality in EPR”, *Causation in Physics: Temporality, Modality and Reduction* International Workshop, Norwegian University of Life Sciences (UMB), Norway, 3-5 September 2012.
- (2012a)\*\* “Against No-conspiracy”, *VII Conference of the Spanish Society for Logic, Methodology and Philosophy of Science*, Universidade de Santiago de Compostela, Spain, 18-21 July 2012.
- (2011e)\*\* “Freeing Free Will from Conspiracy”, *III Conference of the European Philosophy of Science Association, EPSA11*, University of Athens, Greece, 5-8 October 2011.
- (2011d)\*\* “Causal Relevance of Measurement Operations in the EPR Paradox”, *CLMPS Conference*, University of Nancy, France, 19-26 July 2011.
- (2011c)\* “On Free Will and No-conspiracy”, *International Quantum Symposium ‘Decoherence and No-Signalling: Current Interpretational Problems of Quantum Theory’*, University of Bern, Switzerland, 23-24 June 2011.
- (2011b)\* “Freeing Free Will from Conspiracy”, *International Workshop ‘Causality and Manipulation’*, University of Kent at Paris, Paris, 9-10 June 2011.
- (2011a)\* “Freeing Free Will from Conspiracy”, *International Workshop ‘Causality, Inference and Science’*, Complutense University, Madrid, 4-5 March 2011.
- (2010c)\* “Indeterminismo e Inferencia Causal” (“*Indeterminism and Causal Inference*”), Ciclo de Conferencias Asociación Estigia (*Estigia Society Conference Series*), Complutense University, Madrid, 15 December 2010.
- (2010b) “Venetian Sea Levels, British Bread Prices and Reichenbach’s Principle of the Common Cause: A Reassessment”, *‘Methods of Causal Inference and Representation’ Research Seminars Series*, Complutense University, Madrid, 14 December 2010.
- (2010a)\* “Venetian Sea Levels, British Bread Prices and Reichenbach’s Principle of the Common Cause: A Reassessment”, *Spanish Open University Philosophy Workshop*, Spanish Open University (UNED), 20 April 2010.

- (2010a) Round Table Discussion “Causation and Explanation in Physics”, *Causality and Explanation in Physics, Biology and Economics*, Universitat de Barcelona, Spain, 18-20 February 2010.
- (2009g)\*\* “Common Causes, Measurement Dependence and No-Conspiracy: Ontological Implications”, *VI Conference of the Spanish Society for Logic, Methodology and Philosophy of Science*, Universitat de València, Spain, 18-21 November 2009.
- (2009f) Round Table Discussion “II Exploratory Meeting on Trends in Contemporary Philosophy” (with Mauricio Suárez), *VI Conference of the Spanish Society for Logic, Methodology and Philosophy of Science*, Universitat de València, Spain, 18-21 November 2009.
- (2009e) “Common Causes in Space-time” (with Miklós Rédei), *Research Seminar in the Philosophy of Natural Science*, CPNSS, London School of Economics, 24 October 2009.
- (2009d)\*\* “Venetian Sea Levels, British Bread Prices and Reichenbach’s Principle of the Common Cause: A Reassessment”, *II Conference of the European Philosophy of Science Association, EPSA09*, Vrije University, Amsterdam, 21-24 October 2009.
- (2009c)\*\* “Measurement Dependence is not Conspiracy: A Common Cause Model for EPR Correlations”, *British Society for the Philosophy of Science Annual Conference*, University of East Anglia, Norwich, UK, 13-14 July 2009.
- (2009b)\* Comments on S. Bradley “Against Probability”, *CPNSS Graduate Conference, ‘Philosophy of Probability’*. London School of Economics, 8-9 June 2009.
- (2009a)\* “Measurement Dependence is not Conspiracy: A Common Cause Model for EPR Correlations”, *International Workshop ‘Causality in Quantum Physics: Philosophers and Physicists Share their Views’*. Complutense University, Madrid, 9 March 2009.
- (2008b)\* “A Causal Model for EPR Correlations”, *Classical and Causal Concepts in Science 4th International Workshop, ‘Classical Concepts and Metaphysical Presuppositions in Quantum Theory’*. Universidad de Granada, 9-10 October 2008.
- (2008a) “Venetian Sea Levels and British Bread Prices: A Reassessment”, *‘Probabilistic Causality’ Summer School*. Central European University, Budapest, 21 July-1 August 2008.
- (2006c)\* “New Perspectives on Causal Inference and EPR” (with Mauricio Suárez), *Classical and Causal Concepts in Science 2<sup>nd</sup> International Workshop, ‘Probabilities, Causes and Propensities in Physics’*, Complutense University, Madrid, 4-7 October 2006.
- (2006b) “El Principio de Causa Común de Reichenbach en la Mecánica Cuántica”, *IIF Research Seminar (Seminario de Investigadores Instituto de Investigaciones Filosóficas)*, UNAM, México D.F., 13 September 2006.
- (2006a)\*\* “EPR Correlations, Locality and Common Causes”, *British Society for the Philosophy of Science 2006 Conference*, University of Southampton, UK, 6-7 July 2006.
- (2005b)\* “Correlaciones EPR, Localidad y Causas Comunes”, *IMAFF Research Seminar (Seminario de Investigación Instituto de Matemáticas y Física Fundamental)*, CSIC, Madrid, 16 December 2005.
- (2005a) “Challenging a Recent Minimal Assumption Derivation of a Bell-type Inequality”, *4th PPM Summer School, ‘Philosophy, Probability and Physics’*, University of Konstanz, Germany, 7-13 August 2005.
- (2004b)\*\* “A Causal Explanation of Quantum Correlations”, *Symposium ‘Probability and Causal Inference in the Physical Sciences’*, *Spanish Association of Logic, Methodology and Philosophy of Science 4<sup>th</sup> Annual Conference*, Universidad de Valladolid, Spain, 3-6 November 2004.



(2004a)\* “Experimentos Ideales y la Práctica Científica: Implicaciones de la Paradoja EPR/ EPRB”, *International Workshop ‘Scientific Practise’* (‘Prácticas Científicas, ¿Qué Hacen y Cómo Actúan los Científicos?’), University of the Basque Country, UPV/EHU, Donostia-San Sebastián, 6-7 October 2004.

## Conference Organisation and Scientific Committees

Organisation of conferences, scientific workshops and research seminars:

Member of the Organising Committee. *Joint 3rd International Conference on the History of Physics of the EPS and the 4th Early-Career Conference for Historians in the Physical Sciences of the AIP*, Donostia International Physics Center (DIPC), Donostia-San Sebastián, 17-21 October, 2018.

Co-organiser. *Emergence: Epistemological and Metaphysical Issues* Conference, University of the Basque Country UPV/EHU, 26-27 October 2017.

Member of the Organising Committee. *Responsible research and Innovation (RRI): The Problematic Quest for “Right” Impacts* Conference, University of the Basque Country UPV/EHU, 10-11 March 2016.

Co-organiser. *Modelling and Representation. How to make World(s) with Symbols* Conference, University of the Basque Country UPV/EHU, 10-12 December 2015.

Organiser. *International Workshop ‘Causality and Non-locality in Physics (Quantum and Classical)’*, University of the Basque Country, UPV/EHU, 12-13 November 2015.

Coordinator. PRAXIS Research Group Seminar on Scientific Representation. University of the Basque Country, UPV/EHU, from 02/2014.

Coordinator. MCISR Research Group Seminar Series. Complutense University of Madrid, 01/2010–12/2012.

Co-organiser. *International Workshop ‘Probability and Statistics in Physics’*. Complutense University, Madrid, 17 December 2011.

Co-organiser. *International Workshop ‘Causality, Inference and Science’*. Complutense University, Madrid, 4-5 March 2011.

Member of the Local Organising Committee. EPSA07, the *Foundational Conference of the European Philosophy of Science Association (EPSA)*. Complutense University, Madrid, 14-17 November 2007.

Scientific committees:

- *Fourth Conference on History of Quantum Physics (HQ-4)*, Donostia International Physics Center (DIPC)/Max Planck Institute for the History of Science (MPIWG), Donostia-San Sebastián (Spain), 16-18 July 2015.
- *III Young Researchers in Philosophy International Conference* (III Congreso Internacional de Jóvenes Investigadores en Filosofía), Complutense University, Madrid, 26-29 December 2010.

## Teaching

2016 – 2018 *Philosophy of Science*. “Philosophy, Science and Values” Postgraduate Programme, University of the Basque Country, UPV/EHU.

2010 – 2012: *Philosophy of Science*. (5th year course, Philosophy Degree). Complutense University, Madrid.

2009 – 2010: *Philosophy of Language* Reading Course. (2nd year course, Philosophy Degree). Complutense University, Madrid.

## Evaluation Committees and Examination Boards

Member of Examination Board. “Philosophy, Science and Values” Postgraduate Programme, Department of Logic and Philosophy of Science, University of the Basque Country, 2016, 2017.

Member of Examination Board (Secretario tribunal), PhD Thesis “Explanatory Depth and Statistical Mechanical Interventionism” by Fernanda Samaniego Bañuelos. Department of Logic and Philosophy of Science, Complutense University of Madrid, 2011.

## Referee

Referee for *Philosophy of Science*, *European Journal for Philosophy of Science*, *Synthese*, *Foundations of Physics*, *Studies in History and Philosophy of Modern Physics*, *Topoi*, *Theoria*, *Teorema*, *Revista de Filosofía*, *Kairós*.

Internal referee, PhD Thesis “Explanatory Depth and Statistical Mechanical Interventionism” by Fernanda Samaniego Bañuelos. Department of Logic and Philosophy of Science, Complutense University of Madrid, 2011.

## Misc.

I am a current/former member of the following professional associations:

*European Philosophy of Science Association (EPSA)*; *British Society for the Philosophy of Science (BSPS)*; *Philosophy of Science Association (PSA)*; *Spanish Society for Logic, Methodology and Philosophy of Science (SLMFCE)*.

Editorial work:

- Editorial Assistant, *Proceedings of the Founding Conference of the European Philosophy of Science Association*, Vol.1: “EPSA Epistemology and Methodology” and Vol. 2: “EPSA Philosophical Issues in the Sciences”.

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