

Thomas BOYER-KASSEM (born BOYER)

Maître de Conférences (\approx Associate Professor) in Logic and Philosophy of Science
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Born 04/21/1984. French.

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- AOS: Decision Theory, Social/Formal Epistemology, Philosophy of Science.
- AOC: Epistemology, Logic, Analytical Philosophy, Physics.

(places are in France if not otherwise specified)

Academic positions

- 2018–... Associate Professor, Université de Poitiers, department of Philosophy.
- 2017–2018 Temporary assistant professor, Université Grenoble Alpes, department of Philosophy.
- 2011–2018 Lecturer, École Normale Supérieure de Cachan, département of Physics.
- 2015–2017 Post-doctoral “AXA Research Fellow”, TiLPS (Tilburg Center for Logic, Ethics, and Philosophy of Science), Tilburg University, The Netherlands.
- 2014–2015 Post-doctoral fellow, Archives H. Poincaré (UMR 7117: CNRS, Université de Lorraine).
- 2013–2015 Lecturer, Université de Lorraine, department of Philosophy.
- 2013–2014 Temporary assistant professor, Université Lille 3, department of Philosophy.
- 2012–2013 Temporary assistant professor, Université Lille 1, department of Physics.
- 2012 Post-doctoral fellow, MSH Lorraine (USR 3261: CNRS, Université de Lorraine).
- 2011–2012 Lecturer, Université de Bourgogne, department of Physics.
- 2010 Visiting scholar, Columbia University (NY, USA), department of Philosophy, with P. Kitcher.
- 2008–2011 PhD candidate, Université de Paris 1, at the IHPST (UMR 8590: CNRS, ÉNS, Paris 1).
- 2008–2011 Teaching assistant, ÉNS de Cachan, department of Physics.

Education

- 2011 PhD in Philosophy, Université de Paris 1, with unanimous highest honors.
Thesis: « La pluralité des interprétations d’une théorie scientifique : le cas de la mécanique quantique » Jury: A. Barberousse (Univ. Lille 1, co-director), J. Dubucs (IHPST, co-director), A. Guay (Univ. de Bourgogne), F. Laloë (ÉNS), S. Ruphy (Univ. Provence). Report by P. Kitcher (Columbia University, USA). [\[pdf\]](#)
- 2003–2008 Student at the École Normale Supérieure de Cachan. Entry rank : 2nd.
- 2008 Master of Philosophy, speciality in Philosophy of Science, Université de Paris 1. Grade A.
- 2007 Licence of Philosophy, Université de Toulouse 2.
- 2006 “Agrégation” in Physics, 21st (highest French competitive teaching examination).
- 2005 Master 1 of Physics, Université de Paris 6. Grade B.
- 2004 Licence of Physics, Université de Paris 6. Grade A.

Distinctions and grants

- 2018–2021 Junior Excellence Grant, Idex Bordeaux (320 k€), declined.
2018–2020 Marie Skłodowska-Curie Grant, London School of Economics (200 k€), declined.
2015–2017 Axa Research Fund postdoc Grant (120 k€).
2013 Young Researcher Prize of the Société de Philosophie des Sciences (article Boyer, 2014).

Publications

Book

- BOYER-KASSEM, Thomas (2015), *Qu'est-ce que la Mécanique Quantique ?* (= *What is Quantum Mechanics?*), Paris : Vrin, Coll. "Chemins Philosophiques", 128 p. [\[pdf\]](#)

Edited book

- BOYER-KASSEM, Thomas, Conor MAYO-WILSON and Michael WEISBERG (eds.) (2017), *Scientific Collaboration and Collective Knowledge*, New York : Oxford University Press. [\[pdf\]](#) [\[www\]](#)

Reviewed in *Notre Dame Philosophical Reviews*, *Philosophy of Science*.

Articles in international peer-reviewed journals

- IMBERT, Cyrille, Thomas BOYER-KASSEM, Vincent CHEVRIER and Christine BOURJOT (forth.), "Improving deliberations by reducing misrepresentation effects", *Episteme*. [\[pdf\]](#) [\[doi\]](#)
- BOYER-KASSEM, Thomas (forth.), "Scientific expertise and risk aggregation", *Philosophy of Science*. [\[pdf\]](#)
- BOYER-KASSEM, Thomas (2017), "The Precautionary Principle has not been shown to be incoherent: A reply to Peterson", *Risk Analysis* 37(11): 2039–2040. [\[pdf\]](#) [\[doi\]](#)
- BOYER-KASSEM, Thomas (2017), "Is the Precautionary Principle really incoherent?", *Risk Analysis* 37(11): 2026–2034. [\[pdf\]](#) [\[doi\]](#)
- BOYER-KASSEM, Thomas, Sébastien DUCHÊNE and Éric GUERCI (2016), "Quantum-like models cannot account for the conjunction fallacy", *Theory and Decision*. [\[pdf\]](#) [\[doi\]](#)
- BOYER-KASSEM, Thomas, Sébastien DUCHÊNE and Éric GUERCI, (2016) "Testing quantum-like models of judgment for question order effect", *Mathematical Social Sciences* 80 : 33-46. [\[pdf\]](#) [\[doi\]](#)
- BOYER-KASSEM, Thomas et Cyrille IMBERT (2015), "Scientific collaboration: do two heads need to be more than twice better than one?", *Philosophy of Science* 82(4): 667-688. [\[pdf\]](#)
- BOYER-KASSEM, Thomas (2014), "Layers of Models in Computer Simulations", *International Studies in the Philosophy of Science*, 28 (4) : 417-436. [\[pdf\]](#) [\[doi\]](#)
- BOYER, Thomas (2014), "Is a bird in the hand worth two in the bush? Or, whether scientists should publish their intermediate results", *Synthese*, 191 (1): 17–35. [\[pdf\]](#) [\[doi\]](#). (2013 Young Researcher Prize, SPS)
- BOYER, Thomas, Wolfgang BIETENHOLZ et Jaïr WUILLOUD (2007), "Spin chain simulations with a meron cluster algorithm", *International Journal of Modern Physics C* 18: 1497–1511. [\[preprint\]](#)

Articles in peer-reviewed journals

- BOYER-KASSEM, Thomas (2017), “Le principe de précaution”, in M. Kristanek (éd.), *L’Encyclopédie Philosophique*. [www]
- DUCHÊNE, Sébastien, Thomas BOYER-KASSEM and Éric GUERCI (2017), “Une nouvelle approche expérimentale pour tester les modèles quantiques de l’erreur de conjonction”, *Revue Économique*, vol. 5, p. 16-31 (proceedings of the ASFEE 2015 conference). [pdf] [doi]
- BOYER-KASSEM, Thomas (2015), “Les interprétations de la mécanique quantique : une vue d’ensemble introductive”, *Implications Philosophiques*, sept. 2015. [online] [pdf]
- BOYER, Thomas and Anouk BARBEROUSSE (2013), “Interpréter une théorie physique”, *Methodos*, [pdf] [doi]

Other publications

- BOYER-KASSEM, Thomas (forth.), “Physique quantique”, entry of the *Dictionnaire Encyclopédique de l’Identité*, dir. Jean Gayon, Gallimard, coll. Folio Essais.
- BOYER-KASSEM, Thomas (forth.), “Review of Daniel Steel (2015), *Philosophy and the Precautionary Principle*”, *Ethics, Policy & Environment*. [pdf]
- BOYER-KASSEM, Thomas (forth.), introduction and translation of “The Division of Cognitive Labor”, P. Kitcher, to appear in BONNAY, D. and GALINON, H. (eds.), *Textes clés de l’épistémologie sociale*, Paris: Vrin.
- BOYER-KASSEM, Thomas (2018), translation of “Dispelling the Quantum Spooks — a Clue that Einstein Missed?”, H. Price and K. Wharton, in BOUTON, C. and HUNEMAN, P. (éds.), *Temps de la nature et nature du temps*, Paris : CNRS éditions. [pdf]
- BOYER-KASSEM, Thomas (2017), “Lutter contre les préjugés sur la pauvreté”, *Revue Quart Monde*, n° 243, p. 50-52. [pdf]
- BOYER-KASSEM, Thomas (2017), “Une théorie en quête de sens” (on Quantum Physics), *La Recherche*, Feb. 2017, n° 520, p. 50-52. [pdf]
- BOYER-KASSEM, Thomas (2016), “Le principe de précaution est-il bien raisonnable ?” (Review of Steel 2015), *La Vie des Idées*, 25 July 2016. ISSN : 2105-3030. [www]
- BOYER-KASSEM, Thomas, Henri GALINON and Cyrille IMBERT (2014), “Conference report: Modeling Epistemic and Scientific Groups”, *The Reasoner*, 8(2): 16.
- BOYER, Thomas and Cyrille IMBERT (2013), “Conference report: Epistemic Groups and Collaborative Research in Science”, *The Reasoner*, 7(2): 20.
- BOYER, Thomas (2012), “Conference report: The Collective Dimension of Science”, *The Reasoner*, 6(2):25.
- BOYER, Thomas (2011), “La pluralité des interprétations d’une théorie scientifique : le cas de la mécanique quantique”, doctoral dissertation, Paris : Université de Paris 1. [pdf].

Talks

19 contributed talks in international peer-reviewed conferences, 28 talks in workshops [full list]

Teaching

- 2018–2019 Philosophy of Time (Master & Licence 3), Propositional logic (Licence 2), What is truth? (Licence 2), History of Science (Licence 1), What is a scientific proof? (Licence 1)
- 2017–2018 Science & Society (Master 2), Research methodology (Master 2), Philosophy of Science (Master 1), History and Philosophy of Quantum Mechanics (Master 1), Epistemology (Licence 3), Post-kantianism (Licence 2), History of Science (Licence 1–3).
- 2008–2018 History of Physics (Master 2)
- 2013–2015 Science, philosophy, society (Master 1)
- 2013–2014 Epistemology (Licence 3), Philosophy in a foreign language (english) (Licence 3), Mathematics (Licence 3) History of Science (Licence 2), Philosophy of Science (Licence 2), Propositional logic (Licence 1), Scientific culture (Licence 1).
- 2012–2013 What is science? (Master 2), History of Optics (Master 1), The birth of modern science (Licence 3), research projects (Licence 3), History of Science (Licence 2), Practical work in Physics (L1).
- 2011–2012 Social history of the sciences (Licence 1).
- 2008–2011 Practical work in Physics (Licence 3 and Master 2).

Administration and research activities

Expertise and reviewing

Journals: *Analysis*, *Axioms*, *Dialogue*, *L'Encyclopédie Philosophique*, *Ethics*, *Policy and Environment*, *Historical Social Research*, *Journal of Mathematical Psychology*, *Journal of Philosophy*, *Lato Sensu* ($\times 4$), *Philosophers' Imprint*, *Philosophia Scientiæ* ($\times 2$), *Philosophy & Technology*, *Philosophy of Science* ($\times 2$), *Politics*, *Philosophy & Economics*, *Risk Analysis*

Member of scientific committees:

- 2009-... Classiques Garnier editions, coll. « Histoire et Philosophie des Sciences », Paris.
- 2015-... *Philosophia Scientiæ* (Paris : Kimé).

Scientific expertise for institutions:

Paris Region (2012), AÉRES (2013), City of Paris (2015), European Science Foundation (2016-2019), Quantum Engineering Univ. Grenoble Alpes (2018).

(Co-)Organization of workshops and conferences

- 2017 “Group decision-making in scientific expert committees”, , Tilburg (NL), 12-13 April.
- 2016 “Modelisation et Simulation en Sciences Humaines”, Nancy, 13-14 Oct.
“Philosophy of the Precautionary Principle”, Tilburg University, 3 May. [[www](#)]
- 2015 “Modélisation des décisions collectives: perspectives interdisciplinaires”, Nancy, 17-18 Nov.
“Quantum models of cognition”, Nice, 8 Jan. [[www](#)]
- 2013 “Modeling epistemic and scientific groups: interdisciplinary perspectives”, Nancy, 25-26 nov. [[www](#)]
- 2012 “Epistemic groups and collaborative research in science”, Nancy, 17-19 Dec. [[www](#)]

Member of program committees:

EPSA Geneva, Switzerland (2019), Turin, Italy (2019), Paris, France (2018), Seattle, USA (2017), Tilburg, NL (2016), Munich, Germany (2014)