

# Jeremy Attard

## Curriculum Vitæ

---

### Education

- 2025–2027 **Postdoctoral contract in epistemology of complex systems**, F. Fraïssop, Excellence Chair Transdisciplinary and Complexity Research.  
Aix-Marseille University
- 2020–2024 **Ph.D. in philosophy of science and epistemology**, A. Staquet and D. Lambert.  
University of Mons and University of Namur (Belgium).
- 2019–2020 **Master degree in philosophy of science and epistemology**  
Department ALLSH, Aix-Marseille University.
- 2015–2018 **Ph.D. in theoretical and mathematical physics**, S. Lazzarini and T. Masson.  
Centre de Physique Théorique, Aix-Marseille University.
- 2014–2015 **Master degree in mathematical and theoretical Physics, Particle Physics and Astrophysics**  
Aix-Marseille University
- 2012–2013 **Master degree in higher education teaching**  
Ecole Normale Supérieure Paris-Saclay (Cachan).
- 2010–2012 **Bachelor & Master degrees in physics (Phytem) – Physics department**  
Ecole Normale Supérieure Paris-Saclay (Cachan).

### Internships and research visits

- Sept–Oct 2023 **Research visit**, *Institute for Analytical Sociology*, Norrköping (Sweden)
- 2019–2020 **Master thesis**, *Centre Gilles Gaston Granger*, Aix-en-Provence (France)  
*Structure and evolution of research programs in physics*, Gabriella Crocco.
- March–June 2015 **Master 2 Internship**, *Centre de Physique Théorique*, Marseille (France)  
*MacDowell-Mansouri Action and Conformal Symmetry*, Serge Lazzarini.
- April – July 2012 **Master 1 Internship**, *Scuola Normale Superiore*, Pisa (Italy)  
*Quasars formation in the primary universe*, Andrea Ferrara.
- June 2011 **Bachelor Internship**, *Laboratoire Kastler-Brossel*, Paris (France)  
*Multi-charged and low ions spectroscopy*, Paul Indelicato.

### Languages

French Mother Language

English Fluent  
Italian Conversation  
Spanish Conversation

## Teaching Experience

- Since 2020 **Doctoral training courses**, AMU, Marseille, 3x8h, 3 sessions/year  
Introduction to epistemology and critical thinking.
- Since 2020 **Doctoral training courses**, AMU, Marseille, 3x8h, 3 sessions/year  
Science and society: medias and pseudo-sciences.
- Since 2022 **Doctoral training courses**, UGA, Grenoble, 3x8h, 2 sessions/year  
Science and society: medias and pseudo-sciences.
- 2018-2025 **Bachelor in psychology (1<sup>st</sup> year)**, UNIMES, Nîmes, 12x2h/year  
Methodology, epistemology and critical thinking.
- 2019-2020 **Bachelor in physics**, AMU, Marseille, 12x2h  
Training sessions: Methodology
- 2015-2018 **Bachelor in chemistry**, AMU, Marseille, 12x2h  
Training sessions: Electromagnetism

## Publications Click on the title to access the publication

### Philosophy of science and epistemology

- (Article, under review) Attard, J. *Informational corroboration degree: toward a unifying epistemic framework*.
- (Chapter) Attard, J. (2026). *Matérialismes méthodologiques et sciences sociales*, in: Proceedings of the Congress "Le matérialisme au XXIème siècle", Paris, Éditions Matériologiques. (Forthcoming)
- (Book) Attard, J. (2026). *La connaissance scientifique du monde social*, Paris, Éditions Matériologiques. (Forthcoming)
- (Chapter) Attard, J. (2026). *Epistemological Status of Rationality Principles in the Social Sciences: A Structural Invariance Criterion*. In: Oleksowicz, M., Wray, K.B., Jarmużek, T. (eds) *Hypotheses in Science*. Synthese Library, vol 536. Springer, Cham. [https://doi.org/10.1007/978-3-032-13650-3\\_10](https://doi.org/10.1007/978-3-032-13650-3_10).
- (Article) Attard, J. (2025) *Complexity and Epistemological Unity*. *Yearbook for Philosophy of Complex Systems*, 1(1), 171-193. <https://doi.org/10.3790/pcs.2025.1461906>.
- (Phd Thesis) Attard, J. (2024) *Vers un modèle unitaire de la scientificité*. Mons University and Namur University.
- (Book review) Attard, J. (2023). Dominique Raynaud. – *Sociologie fondamentale. Étude d'épistémologie*, Paris, Éditions Matériologiques, 2021, 492 pages. *L'Année sociologique*, 73(2), e1-e5. <https://doi.org/10.3917/anso.232.e0001>.

### Theoretical and mathematical physics

- (PhD Thesis) Attard, J. (2018) *Conformal Gauge Theories, Cartan Geometry and Transitive Lie Algebroids* HAL.
- (Article) J. Attard, J. François and S.Lazzarini (2015). *Weyl Gravity and Cartan Geometry*. *Physical Review D*.

✉ [jeremy.attard@protonmail.com](mailto:jeremy.attard@protonmail.com)

- (Article) J. Attard and S. Lazzarini (2016) *A Note on Weyl invariance in gravity and the Wess-Zumino functional*. Nuclear Physics B.
- (Article) J. Attard and J. François (2018) *Tractors and Twistors from conformal Cartan geometry: a gauge theoretic approach. I. Tractors*. Advances in Theoretical and Mathematical Physics.
- (Article) J. Attard and J. François (2016) *Tractors and Twistors from conformal Cartan geometry: a gauge theoretic approach. II. Twistors*. Classical and Quantum Gravity.
- (Chapter) J. Attard, J. François, S. Lazzarini and T. Masson (2018) *The dressing field method of gauge symmetry reduction: a review with examples*. Foundations of Mathematics and Physics one century After Hilbert: New Perspectives.

## Communications and Conferences

### Philosophy of Science and Epistemology

- (Workshop) November 2025: *Maximization of Informational Corroboration as a Unifying Epistemic Value*. Workshop Epistemic values and their scales, University of Poitiers, France.
- (Conference) September 2025: *The shape of our raft: a graphic representation of epistemic dependencies in science*. X Congress of the Society for Philosophy of Science, Bengherir, Marocco.
- (Seminar) April 2025: *A Belief-Action Interaction Model for Social Epistemology*. Center for Logic and Philosophy of Science Seminar, Leuven, Belgium.
- (Seminar) April 2024: *Epistemology of models in social sciences: The case of action theories in analytical sociology*. Young Researchers Seminar in Argumentative Philosophy, Institut de Recherches Philosophiques de Lyon (online).
- (Seminar) April 2024: *Scientific demarcation and the epistemological unity of the sciences*. HypoThèse Seminar, Centre Gilles Gaston Granger, Aix-en-Provence, France.
- (Conference) November 2023: *Epistemology of models and modeling in the social sciences*. Young Researchers Days in Logic, History and Philosophy of Science VIII, Brussels, Belgium.
- (Conference) May 2023: *Empirical language, falsifiability, and social sciences*. IX Congress of the Society for Philosophy of Science, Nanterre, France.
- (Seminar) April 2023: *Toward a unitary notion of scientificity*. Doctoral Seminar, Namur, Belgium.
- (Conference) October 2022: *Epistemological status of fundamental principles in science*. Hypothesis in Science, Toruń, Poland.
- (Conference) September 2021: *Toward a unitary criterion for empirical knowledge*. Young Researchers Days in Logic, History and Philosophy of Science VII (online).

### Theoretical and Mathematical Physics

- (Seminar) October 2022: "Is there a fundamental theory hidden beyond our scope?" Annual Meeting of the Basic Research Community for Physics (BRCP), Vienna (Austria).
- (Conference) March 2018: "Can we think of physics without spacetime?" Workshop \*Rethinking Foundations of Physics\*, Dorfgastein (Austria).
- (Seminar) March 2018: "Gauge theories on transitive Lie algebroids," LAPTH, Annecy (France).
- (Seminar) March 2018: "Gauge theories on transitive Lie algebroids," LAREMA, Angers (France).
- (Conference) July 2017: "The dressing field method of gauge symmetry reduction: presentation & examples," XXXVI Workshop on Geometric Methods in Physics, Białowieża (Poland).
- (Seminar) December 2016: "Tractor (and Twistor) spaces and connections from conformal Cartan geometry," CPT, Marseille (France).