

MARCO ZAMBON

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Biographical:

Born 1975 in Treviso (Italy)

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RESEARCH INTERESTS **Differential/symplectic geometry and mathematical physics:**
Poisson geometry, singular foliation theory, (multi)symplectic geometry, deformation theory, Lie groupoids, Dirac geometry, super-geometry, L_∞ -algebras.

- POSITIONS ♦ **KU LEUVEN**, Leuven, Belgium.
Since October 2023: Professor (hoogleraar), department of mathematics.
October 2014-September 2023: Associate Professor (hoofddocent), department of mathematics.
- ♦ **UNIVERSIDAD AUTÓNOMA DE MADRID**, Madrid, Spain.
December 2012-September 2014: “Profesor Contratado Doctor”.
Member of ICMAT (joint mathematical research institute of CSIC and three Madrid universities).
- ♦ **UNIVERSIDAD AUTÓNOMA DE MADRID**, Madrid, Spain.
“Ramón y Cajal” fellow: February 2010-November 2012.
 (“Ramón y Cajal” is a 5-year tenure-track position funded by the Spanish Ministry for Science and Innovation)
Member of ICMAT
Spanish “Acreditación” as “Profesor titular de universidad”, December 2011.
- ♦ **UNIVERSITY OF PORTO**, Porto, Portugal.
“Ciencia 2007” Postdoctoral Fellow: September 2008 to January 2010.
 (“Ciencia 2007” is a 5-year position funded by the Portuguese Science Foundation)
- ♦ **CENTRE DE RECERCA MATEMÀTICA (C.R.M.)**, Barcelona, Spain.
Postdoctoral Fellow: January to August 2008.
- ♦ **UNIVERSITY OF ZÜRICH**, Zürich, Switzerland.
Postdoctoral Fellow in the group of Prof. Alberto Cattaneo: September 2004 to December 2007.
Habilitation in Mathematics, conferring the title of “Privatdozent”, April 2008.
Habilitationsschrift title: *“Geometric constructions for Poisson, Dirac and generalized complex manifolds”*.
- EDUCATION ♦ **UNIVERSITY OF CALIFORNIA AT BERKELEY**, Berkeley, CA, USA.
Ph.D. in Mathematics, May 2004.
Advisor: Prof. Alan Weinstein
Dissertation committee: Prof. Alan Weinstein (chair), Prof. Charles Pugh, Prof. Robert Littlejohn.
Dissertation title: *“Averaging techniques in Riemannian, symplectic and contact geometry”*.

- ◇ **UNIVERSITY OF COLOGNE**, Cologne, Germany.
B.S. (“Diplom”) in Mathematics, April 1999.
“Vordiplom” in Physics, October 1996.

LANGUAGES Italian (native). German, English, French, Spanish, Portuguese, Dutch: fluent

Grants

- RESEARCH GRANTS ◇ **With myself as Principal Investigator (PI):**
- FWO research project.
 Co-PI: Miquel Cueva Ten.
 (Project number G014726N, 2026-2029)
 - FWO research project.
 (Project number G0B3523N, 2023-2026)
 - Excellence of Science (EoS) grant, Belgium.
 PI's: Joel Fine (ULB, Spokesperson-coordinator), Sonja Hohloch (U. Antwerpen), Marco Zambon (KU Leuven).
 (EOS project G0I2222N, 2022-2025, 6 team members).
 - Excellence of Science (EoS) grant, Belgium.
 PI's: Joel Fine (ULB, Spokesperson-coordinator), Sonja Hohloch (U. Antwerpen), Marco Zambon (KU Leuven).
 (EOS project G0H4518N, 2018-2021, 6 team members).
 - FWO research project.
 Co-PI: Ori Yudilevich.
 (Project number G083118N, 2018-2021)
 - Grant for a 4-year doctoral position (2017-2020), joint with Mauro Spera (Università Cattolica di Milano). This grant is part of the International Doctoral Program in Science involving Università Cattolica di Milano (Italy), KU Leuven, Pontificia Universidad Católica de Chile and University of Notre Dame du Lac (USA).
 - “Pesquisador Visitante Especial” grant of the Brazilian Ministry of Science, within the “Ciência sem Fronteiras” framework, to conduct research with a team based at the Universidade Federal (UFPR) do Paraná in Curitiba, Brazil.
 (Project number 88881.030367/2013-01, 20 team members, 2014-2017).
 - Start-up grant of the Spanish Ministry of Science and Innovation
 (Project number RYC-2009-04065, 2010-2011).
- ◇ **With myself as team member:**
- KU Leuven “Methusalem” grant (2016-2022 and 2023-2029), 6 team members, P.I.: Stefaan Vaes).
 - “Severo Ochoa” grant of the Spanish Ministry of Science and Innovation awarded to the mathematical research institute ICMAT (2012-2015).
 - Grant of the Spanish Ministry of Science and Innovation (“Plan Nacional”) awarded to the geometry group of UAM (MTM2011-22612, 5 team members, 2012-2014)
 - Grant of the Portuguese FCT awarded to the geometry and topology group of the Universidade do Porto (PTDC/MAT/098770/2008, 10 team members, 2010-2013).
 - Grant of the Portuguese FCT awarded to the geometry group of the Universidade de Coimbra (PTDC/MAT/099880/2008, 15 team members, 2010-2013).
- ◇ **Supervisor of doctoral or postdoctoral fellowships of:**

- Miquel Cueva Ten (FWO senior postdoc fellowship, 2024)
- Tom Ariel (FWO PhD fellowship, 2023)
- Gilles Castel (FWO PhD fellowship, 2021)
- Charlotte Kirchhoff-Lukat (Marie Curie Sklodowska postdoc, 2021. Supervised jointly with Paul Seidel, MIT)
- Charlotte Kirchhoff-Lukat (FWO junior postdoc fellowship, 2020)
- Alfonso Tortorella (FWO junior postdoc fellowship, 2018)

FELLOWSHIPS	Fellowship “Ramón y Cajal 2009” of the Spanish Ministry of Science and Innovation (5 year fellowship). Fellowship “Ciencia 2007” of the Portuguese Research Foundation FCT (5 year fellowship). Fellowship of the Spanish Ministry of Science and Education (SB2006-0141, 18 month fellowship, 2008-2009). Fellowship “Forschungskredit 2006” of the University of Zürich (1 year fellowship). “Vigre traineeship” fellowship of the United States NSF (1 year fellowship, 1999-2000).
CONFERENCE FUNDING	Partial funding for the conference “Geometry and Dynamics of Foliations”, awarded by the Research Section of UAM (700 EUR, 2014). Partial funding for the conference “Symposium in honor of Alan Weinstein”, awarded by the European Science Foundation (3000 EUR, 2013). Partial funding for the conference “7th Young Researcher Workshop on Geometry, Mechanics and Control”, awarded by the Research Section of UAM (2000 EUR, 2012). Partial funding for the conference “XX International Fall workshop on Geometry and Physics”, awarded by the Research Section of UAM (2000 EUR, 2011).
HONORS	Ranked first in the “Ramón y Cajal 2009” fellowship of the Spanish Ministry of Science and Innovation. Evaluation: 100/100 points.

Research

PUBLICATIONS	51 publications in international refereed journals: ◊ Iakovos Androulidakis and M.Z., “Integration of singular subalgebroids by diffeological groupoids” To appear in <i>Transactions A.M.S.</i>. ArXiv:2008.07976 ◊ Andreas Schüßler and M.Z., “A note on pullbacks and blowups of Lie algebroids, singular foliations, and Dirac structures” <i>Differential Geometry and its Applications</i>, Volume 101, Article 102296 (2025). ArXiv:2509.03698 ◊ Charlotte Kirchhoff-Lukat and M.Z., “Moduli spaces of spacefilling branes in symplectic 4-manifolds” <i>Mathematische Zeitschrift</i>, Volume 311, article 15 (2025). ArXiv:2501.07926 ◊ Antonio Miti and M.Z., “Observables on multisymplectic manifolds and higher Courant algebroids”. <i>Communications in Contemporary Mathematics</i>, Vol. 27, No. 08, 2550006 (2025). ArXiv:2209.05836
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- ◇ Stephane Geudens, Alfonso G. Tortorella, and M.Z., “Deformations of Symplectic Foliations: algebraic aspects”.
Israel Journal of Mathematics, Volume 270, pages 293 – 335 (2025).
 Note: paper submitted in April 2023.
 ArXiv:2305.00501
- ◇ Karandeep J. Singh and M.Z., “Stability of fixed points of Dirac structures”.
Letters in Mathematical Physics Volume 113, article 82 (2023).
 ArXiv:2304.12103
- ◇ Stephane Geudens, Alfonso G. Tortorella and M.Z., “Deformations of Symplectic Foliations”.
Advances in Mathematics, Volume 404, part B, (2022), Article 108445.
 ArXiv:2110.05298
- ◇ Stephane Geudens and M.Z., “Deformations of Lagrangian submanifolds in log-symplectic manifolds”.
Advances in Mathematics Volume 397, (2022), Article 108202.
 ArXiv:2009.01146
- ◇ M.Z., “Singular subalgebroids”, with an appendix by Iakovos Androulidakis.
Annales de l’Institut Fourier Volume 72 (2022) no. 6, pp. 2109–2190.
 ArXiv:1805.02480
- ◇ Olivier Brahic and M.Z., “ L_∞ -actions of Lie algebroids”.
Communications in Contemporary Mathematics Volume 24, Issue 4 (2022), article 2150013.
 ArXiv:1708.06415
- ◇ M.Z., “Holonomy transformations for Lie subalgebroids”.
Journal of Geometric Mechanics Volume 13, no. 3 (2021), 517–532.
 ArXiv:2103.10409
- ◇ Florian Schätz and M.Z., “Gauge equivalences for foliations and pre-symplectic structures.”
Communications in Contemporary Mathematics, Volume 23, issue 7 (2021), article 2050067.
 ArXiv:1810.04555
- ◇ Stephane Geudens and M.Z., “Coisotropic submanifolds in b-symplectic geometry”.
Canadian Journal of Mathematics Volume 73, issue 3 (2021), 737–768.
 ArXiv:1907.09251
- ◇ Alfonso Garmendia and M.Z., “Quotients of singular foliations and Lie 2-group actions”.
Journal of Noncommutative geometry Volume 15, Issue 4 (2021), 1251–1283.
 ArXiv:1904.08890
- ◇ Leyli Mammadova and M.Z., “Lie 2-algebra moment maps in multisymplectic geometry”.
Differential Geometry and its Applications Volume 70 (June 2020), article 101631.
 ArXiv:1901.10842
- ◇ Florian Schätz and M.Z., “Deformations of pre-symplectic structures and the Koszul L_∞ -algebra”.
International Mathematics Research Notices Volume 2020, Issue 14 (2020), 4191–4237.
 ArXiv:1703.00290
- ◇ Leonid Ryvkin, Tilmann Wurzbacher and M.Z., “Conserved quantities on multisymplectic manifolds”.
Journal of the Australian Mathematical Society 108 (2020), no. 1, 120–144.
 ArXiv:1610.05592
- ◇ Alfonso Garmendia and M.Z., “Hausdorff Morita equivalence of singular foliations”.
Annals of Global Analysis and Geometry Volume 55, Issue 1 (2019), 99–132.
 ArXiv:1803.00896
- ◇ Florian Schätz and M.Z., “Deformations of pre-symplectic structures: a Dirac geometry approach”.
SIGMA Volume 14, 128 (2018), 12 pages
 ArXiv:1807.10148

- ◇ Iakovos Androulidakis and M.Z., “Almost regular Poisson manifolds and their holonomy groupoids”.
Selecta Mathematica, Volume 23, Issue 3, (2017), 2291–2330.
ArXiv:1606.09269
- ◇ Florian Schätz and M.Z., “Equivalences of coisotropic submanifolds”.
Journal of Symplectic Geometry, Vol. 15 (2017), pp. 107–149.
ArXiv:1411.3227
- ◇ Martin Callies, Yael Frégier, Chris Rogers and M.Z., “Homotopy moment maps”.
Advances in Mathematics, Vol. 303 (2016), 954–1043.
ArXiv:1304.2051
- ◇ Iakovos Androulidakis and M.Z., “Stefan-Sussmann singular foliations, singular subalgebroids, and their associated sheaves”.
International Journal of Geometric Methods in Modern Physics, Vol 13, Supp. 1, article 1641001, 17 pages (2016).
- ◇ Carlos Shahbazi and M.Z., “Products of multisymplectic manifolds and homotopy moment maps”.
Journal of Lie Theory, Vol. 26 (2016), pp. 1037–1067.
ArXiv:1504.08194
- ◇ Yael Frégier, Camille Laurent-Gengoux, and M.Z., “A cohomological framework for homotopy moment maps”.
Journal of Geometry and Physics, Vol. 97 (2015), pp. 119–132.
ArXiv:1409.3142
- ◇ Yael Frégier and M.Z., “Simultaneous deformations of algebras and morphisms via derived brackets”.
Journal of Pure and Applied Algebra, Vol. 219 (2015), pp. 5344–5362.
ArXiv:1301.4864
- ◇ Yael Frégier and M.Z., “Simultaneous deformations and Poisson geometry”.
Compositio Mathematica, Volume 151, issue 09 (2015), pp. 1763–1790.
ArXiv:1202.2896
- ◇ Mariana Graña, Carlos Shahbazi and M.Z., “Spin(7) eight-dimensional manifolds in compactifications to four-dimensions”.
Journal of High Energy Physics, (November 2014), article 46.
ArXiv:1405.3698
- ◇ Iakovos Androulidakis and M.Z., “Holonomy transformations for singular foliations”.
Advances in Mathematics, Volume 256 (May 2014), pp. 348–397.
ArXiv:1205.6008
- ◇ Iakovos Androulidakis and M.Z., “Smoothness of holonomy covers for singular foliations and essential isotropy”.
Mathematische Zeitschrift, Volume 275, Issue 3 (2013), pp. 921–951.
ArXiv:1111.1327
- ◇ Florian Schätz and M.Z., “Deformations of Coisotropic Submanifolds for Fibrewise Entire Poisson Structures”.
Letters in Mathematical Physics, Volume 103, Issue 7 (2013), pp. 777–791.
ArXiv:1207.1696
- ◇ M.Z. and Chenchang Zhu, “Higher Lie algebra actions on Lie algebroids”.
Journal of Geometry and Physics, Volume 64 (2013), pp. 155–173.
ArXiv:1012.0428
- ◇ Alberto Cattaneo and M.Z., “A super-geometric approach to Poisson reduction”.
Communications in Mathematical Physics, Volume 318, issue 3 (2013), pp. 675–716.
ArXiv:1009.0948
- ◇ M.Z. and Chenchang Zhu, “Distributions and quotients on degree 1 NQ-manifolds and Lie algebroids”.

- Journal of Geometric Mechanics*, Volume 4, Number 4 (2012), pp. 469–485.
ArXiv:1202.1378
- ◊ Rajan Mehta and M.Z., “ L_∞ -algebra actions”.
Differential Geometry and its Applications, Volume 30, Issue 6 (2012), pp. 576–587.
ArXiv:1202.2607
- ◊ Madeleine Jotz, Tudor Ratiu and M.Z., “Invariant frames for vector bundles and applications”.
Geometriae dedicata, Volume 158, Issue 1 (2012), pp. 23–34.
- ◊ M.Z., “ L_∞ -algebras and higher analogues of Dirac structures and Courant algebroids”.
Journal of Symplectic Geometry, Vol. 10, no. 4 (2012), pp. 563–599.
ArXiv:1003.1004
- ◊ M.Z., “Submanifolds in Poisson geometry. A survey”.
 Complex and Differential Geometry, *Springer Proceedings in Mathematics*, Vol. 8 (2011), pp. 403–420.
- ◊ M.Z., “A construction for coisotropic subalgebras of Lie bialgebras”.
Journal of Pure and Applied Algebra 215 (2011), pp. 411–419.
ArXiv:0810.5160
- ◊ Ivan Calvo, Fernando Falceto and M.Z., “Reduction of Dirac structures along isotropic subbundles”.
Reports on Mathematical Physics, Vol. 65, no. 2 (2010), pp. 259–269.
ArXiv:0702025
- ◊ Alberto Cattaneo and M.Z., “Graded geometry and Poisson reduction”.
American Institute of Physics Conference Proceedings 1093 (2009), pp. 48–56.
ArXiv:1009.1231
- ◊ Alberto Cattaneo and M.Z., “Coisotropic embeddings in Poisson manifolds”.
Transactions A.M.S., Vol. 361 (2009), pp. 3721–3746.
ArXiv:0611480
- ◊ Fernando Falceto and M.Z., “An extension of the Marsden-Ratiu reduction for Poisson manifolds”.
Letters in Mathematical Physics, Vol. 85 (2008), pp. 203–219.
ArXiv:0806.0638
- ◊ M.Z., “Reduction of branes in generalized complex geometry”.
Journal of Symplectic Geometry, Vol. 6, Number 4 (2008), pp. 353–378.
ArXiv:0701740
- ◊ M.Z., “An example of coisotropic submanifolds C^1 -close to a given coisotropic submanifold”.
Differential Geometry and its Applications, Vol. 26 (2008), pp. 635–637.
- ◊ Alberto Cattaneo and M.Z., “Pre-Poisson submanifolds”.
Travaux Mathématiques, Vol. XVII (2007), pp. 61–74.
ArXiv:0710.5772
- ◊ M.Z. and Chenchang Zhu, “On the geometry of prequantization spaces”.
Journal of Geometry and Physics, Vol. 57, Issue 11 (2007), pp. 2372–2397.
ArXiv:0511187
- ◊ M.Z. and Chenchang Zhu, “Contact reduction and groupoid actions”.
Transactions A.M.S., Vol. 358 (2006), pp. 1365–1401.
ArXiv:0405047
- ◊ M.Z., “Submanifold averaging in riemannian and symplectic geometry”.
Journal of the European Mathematical Society, Volume 8, Issue 1 (2006), pp. 77–122.
ArXiv:0208203
- ◊ Alan Weinstein and M.Z., “Variations on the prequantization of Poisson manifolds”.
Travaux Mathématiques, Vol. XVI (2005), pp. 187–219.
ArXiv:0412502

- ◇ M.Z., “Averaging of Legendrian submanifolds of contact manifolds”.
Annals of Global Analysis and Geometry, Vol. 28, No. 3. (2005), pp. 301–308.
ArXiv:0403199

PREPRINTS

- ◇ Charlotte Kirchoff-Lukat and M.Z., “Coisotropic branes in symplectic manifolds”.
Preprint ArXiv:2507.08620, 30 pages.
- ◇ M.Z., “The linearizability of singular foliations is a Morita invariant”.
Preprint ArXiv:2506.19509, 17 pages.
- ◇ Ioan Marcuț, Andreas Schüßler and M.Z., “Blowups of Dirac structures”.
Preprint ArXiv:2506.14930, 36 pages.
- ◇ Henrique Bursztyn, Alberto Cattaneo, Rajan Metha and M.Z., “Graded geometry and generalized reduction”.
Preprint ArXiv:2306.01508, 80 pages.

WORK IN
PROGRESS

- ◇ Iakovos Androulidakis and M.Z., “Smoothness of holonomy groupoids of singular subalgebroids”.
- ◇ Gabriel Sevestre and M.Z., “Higher algebras of functions on quasi-symplectic groupoids”.
- ◇ M.Z., “Complex differential forms and deformations”.
- ◇ Florian Schätz and M.Z., “From coisotropic submanifolds to pre-symplectic structures: relating the deformation theories”.

TALKS

- Indo-European *Conference* on Math., special session (Pune, India, 2026)
- Conference* Interactions of Poisson Geom., Lie Theory (IST Lisbon, 2025)
- Online Seminar Geometry and Applications Seminar (Univ. of Warsaw, online, 2025)
- Geometry seminar (SISSA, Trieste, 2025)
- Center seminar (Centre for Quantum Math., USD, Odense, 2025)
- Math lunch seminar (Smith College, Northhampton, USA)
- Miniworkshop Beyond Symplectic Geometry (Univ. Antwerpen, Belgium, 2025)
- Oberseminar geometrie (Univ. zu Köln, Germany, 2024)
- XI *workshop* on Poisson Geometry and related topics (Univ. Manaus, Brazil, 2024)
- Workshop* Non-Comm Geometry & Higher Structures (Univ. Thessaloniki, Greece, 2024)
- Conference* Developments in Modern Mathematics (U. Göttingen, 2024)
- Higher differential geometry seminar (MPIM Bonn, Germany, 2024)
- Geometry and math. physics seminar (Univ. Paris 7, 2023)
- Geometry seminar (KU Leuven, 2023)
- Conference* Finite dimensional integrable systems (Antwerpen, Belgium, 2023).
- Geometry seminar (UFBA, Salvador, Brazil, 2023)
- Conference* Colloquio Brasileiro, special session (IMPA, Brazil, 2023)
- Conference* Dg-manifolds in Geometry and Physics (IHP, Paris, 2023)
- Algebra seminar (Temple University, Philadelphia, USA, 2023)
- Theory of duality seminar (online) (Faculty of Physics, University of Warsaw, 2023)
- Conference* SPQR 2022 (IES Cargese, France, 2022)
- Greek Mathematical Seminar (online) (Univ. Thessaloniki, Greece, 2022)
- Conference* Generalized Geometry in Interaction (ICMAT, Spain, 2022)
- Miniworkshop* on Geometry and Mechanics (Univ. Antwerpen, Belgium, 2022)
- Jilin University Colloquium (online) (Jilin University, China, 2022)
- Workshop* Differentiable Stacks, Poisson Geom. (Les Diableret, Switzerland, 2022)

1-Day workshop on Higher Dirac structures (online)	(IMPA, Brazil and UAB, Spain, 2021)
<i>Conference</i> Lie groupoids, Poisson geom., integrability	(Wolfgang Pauli Institute, Vienna, 2021)
Poisson geometry seminar (online)	(Univ. Würzburg, Germany, 2021)
Global Poisson <i>webinar</i> (online)	(University of Geneva, 2021)
Symplectic and Poisson geometry seminar (online)	(Univ. Illinois Urbana-Champaign, USA, 2021)
<i>Conference</i> Generalized geometry and applications	(Univ. Hamburg, Germany, 2020)
International <i>Conference</i> on Poisson Geometry	(IMPA, Brazil, 2019)
<i>Workshop</i> on Contact and Poisson Geometry	(Timisoara, Romania, 2019)
Vietnam-USA Joint Math. <i>Meeting</i> (parallel session)	(Quy Nhon, Vietnam, 2019)
Differential geometry seminar	(Univ. Hamburg, Germany, 2019)
Dutch Math. <i>Congress</i> (NDNS+/GQT session)	(Veldhoven, The Netherlands, 2019)
Geometry seminar	(ICMAT, Spain, 2019)
Friday Fish seminar	(Univ. Utrecht, the Netherlands, 2018)
Seminaire de Geometrie et Quantification	(IHP Paris, France, 2018)
Working group Singular foliations	(Univ. Paris 7, France, 2018)
Geometry seminar	(Univ. van Amsterdam, the Netherlands, 2018)
<i>Workshop</i> Poisson Geometry and Higher Structures	(INdAM, Rome, Italy, 2018)
<i>Workshop</i> GEMS+A on multisymplectic geometry	(Univ. de Lorraine, Metz, France, 2018)
<i>Conference</i> Poisson 2018	(Fields Institute, Toronto, Canada, 2018)
Geometry and Topology Seminar	(Univ. Poznan, Poland, 2018)
<i>Workshop</i> Singular Foliations	(Univ. Metz, France, 2017)
<i>Workshop</i> Lie Pseudogroups: Old and New	(Univ. Utrecht, the Netherlands, 2017)
<i>Conference</i> Noncomm. Geometry and Higher Str.	(Univ. Würzburg, Germany, 2017)
Lens geometry and topology <i>meeting</i> 2017	(Univ. d'Artois, France, 2017)
<i>Conference</i> Geometric Structures on Lie Groupoids	(BIRS Banff, Canada, 2017)
Analysis and Geometry seminar	(Univ. Antwerpen, Belgium, 2017)
<i>Workshop</i> V Simposio de geometria	(UFPR Curitiba, Brazil, 2017)
Mathematical physics seminar	(IMPA, Brazil, 2017)
Geometry seminar	(UFPR Curitiba, Brazil, 2016)
Geometry seminar	(Ruhr Universität Bochum, Germany, 2016)
Geometry seminar	(Univ. of Athens, Greece, 2016)
Seminaire de Geometrie et Quantification	(IHP Paris, France, 2016)
Algebra, Geometry and Quantization Seminar	(Univ. of Luxembourg, Luxembourg, 2016)
Geometry Seminar	(Univ. Nijmegen, the Netherlands, 2016)
Geometry seminar	(Univ. de los Andes, Bogota, Colombia, 2015)
Seminaire de Analyse, Geometrie et Algebre	(Univ. Metz, France, 2015)
Geometry seminar	(ULB Brussels, Belgium, 2015)
Geometry seminar	(U. Utrecht, The Netherlands, 2015)
<i>Workshop</i> Higher Geom. Str. along the Lower Rhine	(U. Utrecht, The Netherlands, 2015)
XXIV Fall <i>workshop</i> on Geometry and Physics	(CUD Zaragoza, Spain, 2015)
Mathematical physics seminar	(IMPA, Brazil, 2015)
Geometry seminar	(UFPR Curitiba, Brazil, 2015)
Differential geometry seminar	(USP Sao Paulo, Brazil, 2015)
Poisson geometry seminar	(USP Sao Paulo, Brazil, 2015)
III <i>Workshop</i> on Poisson Geometry and related topics	(Unicamp Campinas, Brazil, 2015)
Research network IAP annual meeting	(KU Leuven, Belgium, 2015)
Algebra and Geometry Seminar	(Univ. Roma I, Italy, 2015)

Mathematical physics seminar	(ETH-Univ. Zürich, Switzerland, 2014)
Geometry Seminar	(Univ. Luxemburg, 2014)
<i>Workshop</i> “New trends in generalized geometry and...”	(ICMAT, Spain, 2014)
Geometry seminar	(KU Leuven, Belgium, 2014)
Mathematical physics seminar	(IMPA, Brazil, 2014)
10th AIMS <i>Conference</i> (Geom. Mechanics session)	(Madrid, Spain, 2014)
Q-math Seminar	(ICMAT, Spain, 2014)
Geometry Seminar	(Univ. Toulouse, France, 2014)
QGM Seminar	(QGM Aarhus, Danmark, 2014)
<i>Workshop</i> “Higher Lie theory”	(Univ. Luxemburg, 2013)
<i>Workshop</i> on foliations	(Univ. Utrecht, The Netherlands, 2013)
<i>Workshop</i> “Algebraic Analysis and Geometry”	(Univ. Padova, Italy, 2013)
Young Researcher <i>Conference</i> of the Spanish RSME	(Sevilla, Spain, 2013)
Geometry seminar	(Peking University, China, 2013)
<i>Workshop</i> “Higher Structures in China IV”	(Univ. of Lanzhou, China, 2013)
“ <i>Symposium</i> in honor of Alan Weinstein”	(IHP, Paris, 2013)
Higher differential geometry seminar	(MPIM Bonn, Germany, 2013)
Geometry seminar	(Univ. de La Laguna, Spain, 2013)
Seminar of Algebra and Combinatorics	(UAM-ICMAT, Spain, 2013)
Higher structures seminar	(Univ. Göttingen, Germany, 2013)
Seminaire de Analyse, Geometrie et Algebre	(Univ. Metz, France, 2013)
Seminaire	(Univ. Reims, France, 2013)
Seminaire de Geometrie et applications	(Univ. Strasbourg, France, 2013)
Seminaire de Geometrie hamiltonienne	(Univ. Paris 6, France, 2013)
Seminaire de physique mathematique	(Univ. Angers, France, 2013)
Geometry seminar	(Univ. Athens, Greece, 2013)
<i>Thematic day</i> “Dirac Structures and Applications”	(Univ. Zaragoza, Spain, 2013)
<i>Workshop</i> on Graded Algebra and Geometry	(Univ. Luxemburg, 2012)
Mathematical physics seminar	(ETH-Univ. Zürich, Switzerland, 2012)
<i>Conference</i> From Poisson to String Geometry	(Univ. Erlangen, Germany, 2012)
XXI Fall <i>workshop</i> on Geometry and Physics	(Univ. Burgos, Spain, 2012)
<i>Conference</i> GAP 2012 “Quantum Geometry”	(Anogia, Greece, 2012)
<i>Workshop</i> “Higher Structures in Top. and Geom. VI”	(Univ. Göttingen, Germany, 2012)
Deformation theory seminar	(UPenn, Philadelphia, USA, 2012)
Geometry and topology seminar	(MIT, Boston, USA, 2012)
<i>Thematic day</i> on Poisson geometry	(Univ. Zaragoza, Spain, 2012)
<i>Workshop</i> “Geometry and Physics day”	(Univ. Coimbra, Portugal, 2012)
Seminaire de Analyse, Geometrie et Algebre	(Univ. Metz, France, 2011)
General Mathematics Seminar	(Univ. Luxemburg, 2011)
Seminaire de topologie geometrie et algebre	(Univ. Nantes, France, 2011)
Geometry seminar	(ICMAT, Madrid, Spain, 2011)
Mathematical physics seminar	(Univ. Lille, France, 2011)
Geometry and topology seminar	(Univ. Utrecht, The Netherlands, 2011)
Geometry seminar	(Univ. Utrecht, The Netherlands, 2011)
Geometry seminar	(UFBA, Salvador, Brazil, 2011)
Geometry seminar	(Univ. Sao Carlos, Brazil, 2011)
<i>Conference</i> “Poisson Geometry and Applications”	(Univ. Coimbra, Portugal, 2011)
<i>Workshop</i> “Deformations, var. Poisson, singularites”	(Univ. St. Etienne, France, 2011)
Geometry seminar	(ICMAT, Madrid, Spain, 2011)
<i>Conference</i> of Real Sociedad Matematica Española	(Avila, Spain, 2011)
<i>Workshop</i> on geometry, mechanics and control	(Univ. Zaragoza, Spain, 2011)

5th <i>Workshop</i> on Geometry, Mechanics and Control	(Univ. La Laguna, Spain, 2010)
Algebra seminar	(Univ. Autonoma Madrid, 2010)
Teen seminar	(UPC, Barcelona, Spain, 2010)
<i>Workshop</i> on Poisson Geom. and Quantum Groups	(Univ. Coimbra, Portugal, 2010)
Geometry seminar	(Univ. Luxemburg, 2010)
Geometry seminar	(Univ. Autonoma Madrid, Spain, 2010)
Geometry seminar	(Univ. Autonoma Madrid, Spain, 2010)
Deformation theory seminar	(UPenn, Philadelphia, USA, 2010)
Geometry seminar	(Univ. Colima, Mexico, 2010)
<i>Thematic Day</i> “Geometric structures in mechanics”	(Univ. Zaragoza, Spain, 2010)
Portuguese <i>meeting</i> on Poisson geometry	(Univ. Coimbra, Portugal, 2009)
Theoretical physics seminar	(Univ. Zaragoza, Spain, 2009)
Lehigh geometry and topology <i>Conference</i>	(Lehigh University, PA, USA, 2009)
Geometry seminar	(ULB, Brussels, Belgium, 2009)
Geometry seminar	(Univ. Coimbra, Portugal, 2009)
<i>Workshop</i> “Higher structures in top. and geom. II”	(Univ. Göttingen, Germany, 2009)
Mathematical physics seminar	(ETH-Univ. Zürich, Switzerland, 2008)
Seminar of the PhD program U. Coimbra-U. Porto	(Univ. Coimbra, Portugal, 2008)
Portuguese <i>meeting</i> on Poisson geometry	(Univ. Coimbra, Portugal, 2008)
Seminaire de equations differentielles	(Univ. Toulouse, France, 2008)
Geometry and topology seminar	(Univ. Porto, Portugal, 2008)
<i>Workshop</i> “GAP VI - Geometry and Physics”	(C.R.M. Barcelona, Spain, 2008)
<i>Conference</i> “Special metrics and Supersymmetry”	(Bilbao, Spain, 2008)
Symplectic geometry seminar	(C.R.M. Barcelona, Spain, 2008)
Mathematical physics seminar	(ETH-Univ. Zürich, Switzerland, 2008)
Physics seminar	(Univ. Zaragoza, Spain, 2008)
<i>Workshop</i> “Swiss-Russian seminar on math. physics”	(Univ. Zürich, Switzerland, 2007)
<i>Mathematics Colloquium</i>	(Univ. Bern, Switzerland, 2007)
Differential geometry seminar	(IMPA, Rio de Janeiro, 2007)
<i>Program</i> “Poisson geometry and Sigma models”	(ESI Vienna, Austria, 2007)
Mathematical physics seminar	(Univ. Roma I, Italy, 2007)
Graduate colloquium	(ETH-Univ. Zürich, Switzerland, 2007)
<i>Conference</i> “Weekend”	(Univ. Toulouse, France, 2007)
<i>Workshop</i> “Journée des Groupoïdes”	(Univ. Grenoble, France, 2007)
Mathematical physics seminar	(ETH-Univ. Zürich, Switzerland, 2006)
Geometry seminar	(EPFL Lausanne, Switzerland, 2006)
Geometry seminar	(UAB Barcelona and CRM, Spain, 2006)
Physics seminar	(Univ. of Zaragoza, Spain, 2006)
<i>Workshop</i> “GAP IV - Geometry and Physics”	(Hanoi, Vietnam, 2006)
Symplectic geometry seminar	(New York University, USA, 2006)
Symplectic geometry seminar	(U.C. Berkeley, USA, 2006)
Geometry seminar	(UMass Amherst, USA, 2006)
Symplectic geometry seminar	(M.I.T., Boston, USA, 2006)
Mathematical physics seminar	(Penn State Univ., USA, 2006)
Biannual meeting of physics and math departments	(ETH-Univ. Zürich, Switzerland, 2005)
<i>Workshop</i> “GAP III - Geometry and Physics”	(Perugia, Italy, 2005)
Deformation Theory Seminar	(UPenn, Philadelphia, USA, 2005)
Geometry Seminar	(Univ. Lyon I, France, 2005)

Special Seminar	(UCLA, Los Angeles, USA, 2005)
Geometry Seminar	(USC, Los Angeles, USA, 2005)
Symplectic Geometry Seminar	(UC Berkeley, USA, 2005)
Symplectic Geometry Seminar	(University of Toronto, Canada, 2005)
Seminario de Geometria	(IST, Lisbon, Portugal, 2005)
Seminaire de Geometrie	(Universite Geneve, Switzerland, 2005)
Seminaire de Geometrie Symplectique	(Univ. Jussieu, Paris, France, 2004)
Seminar on Mathematical Physics	(ETH-Univ. Zürich, Switzerland, 2004)
<i>Conference</i> “Progressi Recenti in Geometria”	(Levico Terme, Italy, 2004)
<i>Conference</i> “Rencontre Mathematique de Glanon”	(Glanon, France, 2004)
Northern California Symplectic Geometry Seminar	(Stanford University, USA, 2004)
Differential Geometry Seminar	(MSRI, Berkeley, USA, 2004)
Geometry Seminar	(Cambridge University, England, 2004)
Seminar on Symplectic Geometry	(UC Berkeley, USA, 2003)
<i>Workshop</i> “GAP I - Geometry and Physics”	(Lizores, France, 2003)
Seminar on Differential Geometry	(Univ. of Cologne, Germany, 2003)
<i>Conference</i> “Geometry of Lagrangian Submanifolds”	(IPAM, Los Angeles, USA, 2003)
Seminar on Symplectic Geometry	(UC Berkeley, USA, 2002)
Seminar on Symplectic Geometry	(UC Berkeley, USA, 2001)
Seminar on the Geometry of Quiver Varieties	(UC Berkeley, USA, 2000)

MINICOURSES

Symplectic geometry and Hamiltonian dynamics	(4 hours, “Master Class”, Univ. Lorraine, Metz, 2023)
Stability and deformations in symplectic geometry	(1 hour, ULB Brussels, 2022)
From symplectic to Poisson to Lie	(1 hour, Univ. Hasselt, 2021)
Symmetry and foliations	(1 hour, ULB Brussels, 2018)
Deformations of presymplectic structures	(1 hour, Univ. Antwerpen, 2018)
Lie algebroids and singular foliations	(3 hours, UFPR Curitiba, 2014)
Homotopy moment maps	(3 hours, UFPR Curitiba, 2014)
Bundles and connections	(10 hours, IFT/ICMAT Madrid, 2013)
Dirac geometry	(3 hours, “Colima Workshop in Geometry”, 2011)
Introduction to Poisson geometry	(2 hours, “XVIII Oporto Meeting”, 2009)
Introduction to graded manifolds	(6 hours, Univ. Porto, 2009)
Introduction to graded manifolds	(6 hours, CRM Barcelona, 2008)

VISITING

POSITIONS

Universidade Federal do Parana, Curitiba, Brazil	(February 2017, “Ciencia sem Fronteiras” grant)
Universidade Federal do Parana, Curitiba, Brazil	(July-August 2016, “Ciencia sem Fronteiras” grant)
Universidade Federal do Parana, Curitiba, Brazil	(July-August 2015, “Ciencia sem Fronteiras” grant)
Universidade Federal do Parana, Curitiba, Brazil	(July-August 2014, “Ciencia sem Fronteiras” grant)
Universite Metz, France	(November 2011, as Maitre de Conference Invite)
University of Luxembourg, Luxembourg	(August 2010, grant FNR/10/AM2c/18)

Teaching and advising

ADVISING

Ph.D. Thesis advisor of	
· With Fatemeh Mohammadi as main supervisor: Sebastian Seemann (KU Leuven, November 2022-...)	

- Nicolas Tribouillard (KU Leuven, September 2024-...)
- Tom Ariel (KU Leuven, co-supervised with Roberto Rubio (UAB Barcelona), March 2024-...)
- Andreas Schüßler (KU Leuven, co-supervised with Ioan Marcu (RU Nijmegen), September 2021-...)
Thesis title: *Blowups of Lie algebroids and related structures*
- With Jonas Deré as main supervisor: Thomas Witdouch (KU Leuven, October 2020-September 2024). Thesis title: *Which closed manifolds admit an Anosov diffeomorphism?*
- Gilles Castel (KU Leuven, started October 2021, stopped July 2022)
- Karandeep Singh
(KU Leuven, October 2019- September 2023).
Thesis title: *Singular foliations and stability of fixed points in higher Lie theory*
- Stephane Geudens
(KU Leuven, co-supervised with Ioan Marcu (RU Nijmegen), November 2017-April 2020).
Thesis title: *On Submanifolds and Deformations in Poisson Geometry*
- Antonio Michele Miti
(KU Leuven, co-supervised with Mauro Spera (USCS Brescia), January 2017-April 2020).
Thesis title: *Homotopy comoment maps in multisymplectic geometry*
- Leyli Mammadova
(KU Leuven, September 2016-September 2020).
Thesis title: *Moment maps in multisymplectic geometry.*
- Alfonso Garmendia
(KU Leuven, October 2015-July 2019).
Thesis title: *Groupoids and singular foliations.*

Master Thesis advisor of

- Jo Heynen (Master in mathematics at KU Leuven, 2024-...)
- Baljeetsingh Gurnasinghani (Master in mathematics at KU Leuven, 2023-2025)
Thesis title: *Multisymplectic Manifolds and their Symmetries*
- Marco Pedemonti (Master in mathematics at KU Leuven, 2021-2024)
Thesis title: *Euler-Like Vector Fields*
- Kaichuan Qi (Master in mathematics at KU Leuven, 2020-2022)
Thesis title: *Integration of transitive Lie algebroids.*
- Yenthe Deschryver (Master in mathematics at KU Leuven, 2019-2021)
Thesis title: *Geometry of Singular Foliations through their Universal Lie ∞ -algebroid.*
- Gregory van Kruijsdijk (Master in mathematics at KU Leuven, 2018-2020)
Thesis title: *The holonomy groupoid of foliations.*
- Stephane Geudens (Master in mathematics at KU Leuven, 2015-2017).
Thesis title: *The geometry of log-symplectic manifolds.*
- Carlos Shahbazi Alonso (Master in advanced mathematics at UNED, Madrid, 2012-2014. Defended in 2016).
Thesis title: *Strong homotopy Lie algebras arising from multisymplectic geometry.*
- Alejo Lopez (Master in mathematics at UAM, 2012-2013).
Thesis title: *The convexity theorem in symplectic geometry.*

Mentor of postdoctoral fellows

- Zan Grad (KU Leuven, September 2025-...)

- Miquel Cueva Ten (KU Leuven, October 2024-...)
- Luka Zwaan (KU Leuven, September 2024-...)
- Charlotte Kirchhoff-Lukat (KU Leuven, Oct. 2018-Sept. 2021, Sept. 2023- Aug. 2025).
- Luca Accornero (KU Leuven, October 2022- September 2023)
- Gabriel Sevestre (KU Leuven, February 2022- September 2023)
- Aldo Witte (KU Leuven, September 2021- January 2023)
- Ralph Klaasse (KU Leuven, September 2020- August 2021)
- Francesco Cattafi (KU Leuven, April 2020- December 2020)
- Ramón Vera (KU Leuven, November 2018-May 2020)
- Joel Villatoro (KU Leuven, September 2018-September 2021)
- Alfonso Tortorella (KU Leuven, March 2018-October 2021)
- Ori Yudilevich (KU Leuven, June 2016-May 2019)

Advisor of 4 undergraduate students during the preparation of their Bachelor Project “Groupoids” (KU Leuven, 2015).

Advisor of undergraduate student Miguel Cuenca Ten during his 2-month JAE-Intro internship at ICMAT (2012). Topic: *Poisson geometry and singular foliations*.

Informal advisor of Rafael Praczyk, a Master student of Prof. Cattaneo, during the preparation of his Master Thesis (Univ. of Zurich, 2007).

HOSTING

Host of visiting postdocs at KU Leuven

- Florian Zeiser (September 2020)
- Kirsten Wang (January-February 2018)
- Mohammad Jawal Azimi (September-November 2016)

Host of Erasmus exchange student Nicola de Feo at KU Leuven (March-June 2018)

TEACHING

◊ **Lectures**

Wiskunde I	(undergraduate course, Fall 2019 to now, KU Leuven)
Symplectic geometry	(master course, Spring 2016 to now on even years, KU Leuven)
Differential geometry	(master course, Fall 2014 to now, KU Leuven)
Symplectic and Poisson geometry	(master course, Spring 2014, UAM Madrid)
Elementary algebra	(undergraduate course, Fall 2013, UAM Madrid)
Linear algebra	(undergraduate course, Fall 2012 and 2013, UAM Madrid)
Differential geometry	(undergraduate course, Spring 2011 and 2012, UAM Madrid)
Methods of mathematical physics	(master course, Fall 2009, Univ. Porto)
Differential manifolds	(graduate course, Fall 2008, PhD program Coimbra/Porto)
Generalized complex geometry	(master level course, Fall 2007, Univ. Zürich)
Introduction to symplectic geometry	(undergraduate course, Spring 2007, Univ. Zürich)

◊ **Exercise sessions**

Mathematics for high school teachers	(2 semesters, Univ. Zürich)
Calculus	(4 semesters, UC Berkeley)
Linear Algebra and Differential Equations	(3 semesters, UC Berkeley)
Real analysis	(4 semesters, Univ. of Cologne)

◊ **Coordination**

Coordinator of the Advanced Reading Course	(2015-..., master program, KU Leuven)
Coordinator of the Bachelor Thesis projects	(2018-..., bachelor program, KU Leuven)

◊ **Teaching training**

Lesgeven aan de KU Leuven (60 hours) (2016-22, KU Leuven)
Semester-long teaching workshop (Fall 1999, UC Berkeley)

OUTREACH $\diamond$ *Thursday Lunch Talk* at Smith College, a women-only (undergraduate) liberal arts college.
Lead a 45-minute *round table conversation* with the students attending, aimed at providing to the students first hand experience on the possible career scenarios after their undergraduate studies.
(March 2025, Smith College, Northhampton (USA))

Administrative service

CONFERENCE ORGANIZING Member of Organizing Committee of the conferences

- “Poisson 2026” (KU Leuven, Belgium, August 10-14, 2026).
- BIRS workshop 25w5442 “Around Singularities in Poisson Geometry”, as lead organizer (Institute for Advanced Study in Mathematics, Hangzhou, China, Aug 4 - 8, 2025)
- “PADGE - Pure and applied differential geometry” (KU Leuven, Belgium, July 10-14, 2023).
- “The many interactions of symplectic and Poisson geometry ” (Institut Henri Poincaré, Paris, June 19-23, 2023)
- “17th Young Researcher Workshop on Geometry, Mechanics and Control” (KU Leuven, March 29-31, 2023).
- “Multisymplectic geometry” (online workshop, September 10-11, 2020).
- “Singular foliations” (KU Leuven, Belgium, May 13-14, 2019).
- “PADGE - Pure and applied differential geometry” (KU Leuven, Belgium, August 21-25, 2017).
- “IV Workshop on Poisson Geometry and related topics” (UFPR Curitiba, Brazil, July 28-29, 2016).
- “Higher geometric structures on the Lower Rhine” (KU Leuven, Belgium, April 7-8, 2016).
- “Geometry and Dynamics of Foliations” (ICMAT Madrid, Spain, September 1-5, 2014).
- “Symposium in honor of Alan Weinstein” (IHP, Paris, July 18-20, 2013).
- “7th Young Researcher Workshop on Geometry, Mechanics and Control” (ICMAT Madrid, Spain, December 17-19, 2012).
- “XX International Fall workshop on Geometry and Physics” (ICMAT Madrid, Spain, August 31-September 3, 2011).
- “Third Colima Workshop in Geometry” (Univ. Colima, Mexico, January 5-8, 2011).
- “XVIII Oporto Meeting in Geometry, Topology and Physics” (Univ. Porto, Portugal, July 9-12, 2009).

SCIENTIFIC COMMITTEES Member of scientific committee of conferences:

- Member of Scientific Committee of the conference “Poisson 2024” (Naples).
- Member of Scientific Committee of the Solvay Workshop “Higher Spin Gauge theories, topological field theory and deformation quantization” (Brussels, February 17-21, 2020).
- Member of Scientific Committee for the series of annual workshops “Young Researcher Workshop on Geometry, Mechanics and Control” (2012-2018).

Member of advisory committee of conference “Poisson 2022” (Madrid, 25-29 July 2022).
Co-chair for the diff. geometry session at the BMS Young Scholar Day (Brussels, Dec 20, 2023).

SEMINAR ORGANIZING Organizer of department seminars:

- KU Leuven Geometry Seminar (2014-...)

- ICMAT Geometry Seminar (2011-2013)
- Geometry Seminar at the University of Porto (Fall 2009)
- Co-organizer of a Master student Reading Seminar on Poisson geometry (KU Leuven, with Ori Yudilevich, 2016-17; with Andreas Schüßler and Luka Zwaan, 2024-25)

UNIVERSITY COMMITTEES

Member of the exam commission for the master in mathematics at KU Leuven (2023-...).

Member of the Permanent Didactical Committee (POC) of the KU Leuven Department of Computer Science (2021-...).

Member of the Doctoral Committee of the KU Leuven Faculty of Science (2016-2024).

Member of the steering committee of the “International Doctoral Program in Science” involving Universtitá Cattolica di Milano (Italy), KU Leuven, Pontificia Universidad Catolica de Chile and University of Notre Dame du Lac (USA). (2018-...)

Member of the postdoc support team in the KU Leuven mathematics department (2018-...).

Member of Committee for Graduate Studies and Research (Department of mathematics of UAM Madrid, April-September 2014).

Member of committee for professor promotions at Penn State University, University of Manitoba.

EXAMINATIONS (PHD)

Member of the Ph.D. defense committee of (see below for KU Leuven committees):

- Aaron Gootjes-Dreesbach (U. Utrecht, 2025. Advisor: Alvaro del Pino and Marius Crainic)
- Ilias Ermeidis (Univ. Göttingen, 2025. Advisor: Madeleine Jotz Lean)
- Pedro Carvalho (IMPA, 2024. Advisor: Henrique Bursztyn)
- Sebastian Herrera (Univ. São Paulo, 2022. Advisor: Cristián Ortiz)
- Florian Zeiser (Radboud Univ. Nijmegen, 2021. Advisor: Ionut Marcu)
- Selim Tawfik (Univ. of Toronto, 2021. Advisor: Eckard Meinrenken)
- Giovanni Russo (Aarhus University, 2020. Advisor: Andrew Swann)
- Kirsten Wang (Univ. of Amsterdam, 2018. Advisor: Hessel Posthuma)
- Sylvain Lavau (Univ. Lyon, 2016. Advisor: Thomas Strobl)
- David Fernández Álvarez (UAM Madrid, 2016. Advisor: Luis Álvarez Cónsul)
- Camilo Rengifo Gutierrez (Universidad de los Andes, 2015. Advisor: Paul Bressler)
- Boris Osorno Torres (Univ. Utrecht, 2015. Advisor: Marius Crainic)
- Ruggero Bandiera (Univ. Roma La Sapienza, 2015. Advisor: Marco Manetti)
- Isabel Berna Sepulveda (Univ. Politecnica de Catalunya, 2012. Advisor: Jaume Amorós)
- Cedric M. Campos (UAM Madrid, 2010. Advisors: Manuel de León, David Martín de Diego)

Reader for the Ph.D. thesis of: (* also Ph.D. defense committee member)

- Aaron Gootjes-Dreesbach (Univ. Utrecht, 2025. Advisor: Alvaro del Pino and Marius Crainic)
- Hadi Nahari (Univ. Lyon, 2024. Advisor: Thomas Strobl)*
- Ruben Louis (Univ. de Lorraine, 2022. Advisor: Camille Laurent-Gengoux)*
- Aldo Witte (Univ. Utrecht, 2021. Advisor: Gil Cavalcanti and Marius Crainic)*
- Gabriel Sevestre (Univ. de Lorraine, 2021. Advisor: Tillman Wurzbacher)*
- Arjen Baarsma (Univ. Utrecht, 2019. Advisor: Gil Cavalcanti)
- Roy Wang (Univ. Utrecht, 2017. Advisor: Marius Crainic)
- Alfonso Tortorella (Univ. Firenze, 2017. Advisor: Luca Vitagliano)
- David González Álvaro (UAM Madrid, 2016. Advisor: Luis Guijarro)

- Miguel Vaquero Vallina (UAM Madrid, 2015. Advisor: Manuel de León)

Member of the KU Leuven Ph.D. defense committee of:

- Maria Agustina (Advisor: Fatemeh Mohammadi and J. Van der Veken)
- Lisa Vandebrouck (Advisor: Raf Cluckers)
- Jeroen Gantois (KU Leuven. Advisor: J. Deré)
- Roger Prat (KU Leuven. Advisor: N. Wijsen)
- Gongrui Cheng (KU Leuven, physics department. Advisor: T. van Riet)
- Sebastian Seemann (KU Leuven. Advisor: F. Mohammadi)
- Hang Wang (KUL. Advisors: N. Vannieuwenhoven, R. Vandebril, and J. Van der Veken)
- Paul Meunier (KU Leuven. Advisor: Gabor Szabo)
- Simon Jacobsson (KUL. Advisors: N. Vannieuwenhoven, R. Vandebril, and J. Van der Veken)
- Matthias Allard (KU Leuven/U. Melbourne. Advisors: A. Kuijllars, M. Kieburg, P. Forrester)
- Matteo Pagliero (KU Leuven. Advisor: Gabor Szabo)
- Mykola Shameiev (KU Leuven. Advisor: Johannes Nicaise)
- Soham Chakraborty (KU Leuven, 2024. Advisor: Stefaan Vaes)
- Kristof Dekimpe (KU Leuven, 2023. Advisor: Joeri Van der Veken)
- Corinne Bodussa (KU Leuven. Advisor: Nero Budur)
- Juan Aurelio Alvarado Ortega (KU Leuven, dept. of Computer Science, 2023. Advisor: Bettina Berendt)
- Bram Verjans (KU Leuven, 2022. Advisor: Stefaan Vaes)
- Lars Swijsen (KU Leuven, 2022. Advisors: Nick Vannieuwenhoven, and Joeri Van der Veken)
- Marco Usula (KU Leuven/ULB, 2022. Advisor: Joel Fine and Joeri Van der Veken)
- Siegfried Van Hille (KU Leuven, 2021. Advisors: Raf Cluckers and Wim Veys)
- Bert Verbeke (KU Leuven, 2020. Advisor: Karel Dekimpe)
- Leslie Molag (KU Leuven, 2020. Advisor: Arno Kuijllars)
- Pietro Gatti (KU Leuven, 2019. Advisor: Nero Budur)
- Marcel Rubió i Juncosa (KU Leuven, 2019. Advisor: Nero Budur)
- Victor Pessert (KU Leuven, 2016. Advisor: Joeri Van der Veken)
- Gert-Jan Dugardein (KU Leuven, 2016. Advisor: Karel Dekimpe)
- Jonas Deré (KU Leuven, 2015. Advisor: Karel Dekimpe)
- Bart Dioos (KU Leuven, 2015. Advisors: Joeri Van der Veken and Luc Vranken)

Member of the KU Leuven Ph.D. supervisory committee of:

- Mateo Anarella (KU Leuven, 2024. Advisor: Joeri Van der Veken and Luc Vranken)
- Nicolas Wijsen (KU Leuven, 2018. Advisor: Stefaan Poedts)
- Jonas Wahl (KU Leuven, 2018. Advisor: Stefaan Vaes)

Chair of the KU Leuven Ph.D. defense committee of:

- Milan Donvil (KU Leuven, 2025. Advisor: Stefaan Vaes)
- Elena Petrova (KU Leuven, 2025. Advisor: Tom van Doorselaere)
- Robin van der Veer (KU Leuven, 2022. Advisor: Nero Budur)
- Niels Claes (KU Leuven, 2022. Advisor: Rony Keppens)
- Lena Vos (KU Leuven, 2020. Advisor: Wim Veys)
- Tobe Deprez (KU Leuven, 2019. Advisor: Stefaan Vaes)

- Liebrecht De Sadeleer (KU Leuven, 2016. Advisors: Johan Quaegebeur and Pierre Bieliavsky)

EXAMINATIONS Referee and committee member for an Habilitation thesis at Universität Göttingen (2022)

(OTHER)

Reader of the master thesis of Aline Zanardini (UFPR Curitiba, 2016, advisor: A. Kotov).

Reader of the KU Leuven master theses of:

- 2026: Patrick Cyr (Advisors: Marino Gran (UCL) and Nero Budur), Lukas Das (Advisor: G. Szabo), Michiel Lassuyt (Advisor: Robert Neagu), Bence S 'ogor (Advisor: Fatemeh Mohammadi).
- 2025: Linus Letocart (Advisor: G. Szabo), Jurre Put (Advisor: Stijn Cambie), Gilles Vandelaer (Advisor: S. Vaes), Nathan Vandenbosch (Advisor: J. Christensen), Jona Van Hoorde (Advisor: A. Wennman).
- 2024: Ward Bruyndonckx (Advisor: Ali Imad Raad), Aïsha Janssens (Advisor: J. Deré), Shokhzod Kurokboev (Advisor: Guillem Blanco), Shiyu Wang (Advisor: J. Christensen).
- 2023: Basten Dekoninck (Advisor: Nero Budur), Giel Stas (Advisor: J. Van der Veken), Emilia Maenaut (physics dept. Advisor: Dr. Val Reys), Indy Van Den Broeck (Advisor: Ali Imad Raad), Mathijs Van Reusel (Advisor: Feng Hao).
- 2022: Dries Beheydt (Advisor: J. Christensen), Clara De Ryck (Advisor: W. Goemans), Marie D'haene (Advisor: J. Van der Veken), Rik Surkin (Advisor: D. Drimbe).
- 2121: Younes Bin Messaoud (Advisor: P. Igodt).
- 2020: Ben Bouwen (Advisor: G. Szabo), Alberto Cobos (Advisor: J. Nicaise), Pieter Van Mechelen (Advisor: T. Van Doorselaere), Thomas Witdouck (Advisor: J. Deré).
- 2019: Arne Hostens (Advisor: J. Deré), Jordi De Jonghe (physics dept. Advisor: T. Van Riet), Rui Ma (Advisor: N. Budur), Wannes Manhaeve (Advisor: P. Igodt), Klaas Parmentier (physics dept. Advisor: N. Bobev), Bram Vancraeynest (Advisor: Jorge Castillejos), Laurens Wallegheem (Advisor: J. Van der Veken).
- 2018: Quinten Eggerickx (Advisor: Nikolay Bobev), Michael Geeraerts (Advisor: Tom Van Doorselaere), Paul Joye (Advisor: Yongqiang Liu), Anneleen Truijten (Advisor: K. Dekimpe).
- 2017: Stijn Cambie (Advisor: J. Tuitman), Simon Marynissen (Advisor: J. Deré), Niels Melotte (Advisor: J. van der Veken), Alexandru Radu (Advisor: Wim Veys), Robin van der Veer (Advisor: N. Budur).
- 2016: Emily Jasmin Decoussemaeker (Advisor: J. Van der Veken), George Karapetrov and Alexis Schotte (Advisor: N. Bobev), Kate Verschueren (Advisor: P. Dowerk), Lena Vos (Advisor: J. Tuitman).
- 2015: Tobe Deprez and Ruben Henrard (Advisor: S. Vaes) and Bram Verbeek (physics dept. Advisor: T. Van Riet).

Member of the examination committee for

- two oral qualifying examinations in the Ph.D. program (Bjorn Gohla and Eugenio Rodriguez, Univ. Coimbra/Porto, 2009)
- a final oral examination in the Master program (Rafael Praczyk, Univ. Zürich, 2007).

JOURNAL

Reviewer for Zentralblatt MATH (2014-2024) and MathScieNet (2016-...).

REFEREEING

Referee work for the following journals:

Advances in math.

Applied Categorical Structures

Bulletin of the Brazilian Mathematical Society

Communications Math. Physics

Crelle (J. reine angewandte Mathematik)

Int. J. of Geom. Methods in Modern Physics

Amer. Institute of Physics conference proc.

Banach Center Publications proceedings

Bulletin Societe Math. de France

Comptes Rendus Mathematique

Differential geometry and its applications

Indagationes Mathematicae

Int. Math. Research Notices
Lett. Mathematical Physics
J. of Differential Geometry
J. of Geometric Mechanics
J. of Mathematical Physics
J. of Pure and Applied Algebra
Journal of Symplectic geometry
Pacific J. of Mathematics
Reports on Mathematical Physics
Reviews in Mathematical Physics

Inventiones Math.
J. Adv. Res. Pure Math.
J. of Geometric Analysis
J. of Geometry and Physics
J. Non-commutative geometry
J. of the Ecole Polytechnique
Math. Physics, Analysis and Geometry
Proceedings of the AMS
Revista Mat. Iberoamericana
SIGMA

GRANT
EVALUATIONS

Evaluator for grant applications to

- CRM Postdoc programme, Spain
- Croatian Science Foundation (HRZZ)
- Cyprus Research Promotion Foundation (RPF)
- FNRS Aspirant fellowships, Belgium
- Fonds de recherche du Québec
- Foundation "La Caixa", Spain
- Humboldt Foundation, Germany
- NSERC, Canada
- Netherlands Organisation for Scientific Research (NWO)
- Polish Science Foundation OSF