

Francesco Cattafi

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Research

My main research interests lie in **differential geometry**, more precisely in the interplay between Lie groupoids and geometric structures, including G -structures, Cartan geometries and foliations. I also draw inspiration, tools and ideas from Poisson geometry and the theory of PDEs on jet bundles.

Employment

- Oct 2021–today **Postdoctoral researcher**, *Julius-Maximilians-Universität Würzburg*, Würzburg (Germany)
Research group of Madeleine Jotz
- May–Sept 2021 **Postdoctoral researcher**, *Wolfgang Pauli Institute*, Vienna (Austria)
Research group of Barbara Tumpach
- Jan–May 2021 **Junior Research Fellow**, *Erwin Schrödinger International Institute for Mathematics and Physics*, Vienna (Austria)
Research group of Andreas Čap
- Apr–Dec 2020 **Postdoctoral researcher**, *KU Leuven*, Leuven (Belgium)
Research group of Marco Zambon

Education

- Sept 2015–Feb 2020 **PhD in Mathematics**, *Universiteit Utrecht*, Utrecht (The Netherlands)
PhD thesis: *A general approach to almost structures in geometry* (supervised by Marius Crainic)
- Sept 2013–Jul 2015 **MSc in Mathematics**, *Università degli studi di Torino*, Torino (Italy), 110/110 cum laude et mentione
Master thesis: *Conservation Laws in Variational Sequences* (supervised by Marcella Palese)
- Sept 2010–Jul 2013 **BSc in Mathematics**, *Università degli studi di Torino*, Torino (Italy), 110/110 cum laude
Bachelor thesis: *Characteristic curves for PDEs: theory and application to Klein-Gordon equation in metric-affine formalism* (supervised by Lorenzo Fatibene)
- Sept 2005–Jul 2010 **High school diploma**, *Liceo Scientifico "Amedeo Avogadro"*, Biella (Italy), 100/100

Other professional qualifications

- May 2024 **Certificate for university teaching** (advanced level) of the Bayern universities.
90 hours of seminars, interactive workshops and personal reflexions
- Nov 2023 **Leadership certificate** of the Julius-Maximilians-Universität Würzburg (targeted at young researchers).
45 hours of seminars, interactive workshops and personal reflexions

Publications and other writings

Papers in peer-reviewed journals

- 2024 Poisson manifold, accepted for publication at the WikiJournal of Science, Wikidata Q117054291.

- 2021 Cartan geometries and multiplicative forms, *Differential geometry and its Applications* **75C**, 101722, available also on arXiv:1911.13147.
- 2020 From PDEs to Pfaffian fibrations, *L'Enseignement Mathématique* **66**, 187-250, available also on arXiv:1901.02084 (with Marius Crainic and María Amelia Salazar).
- 2016 Variational derivatives in locally Lagrangian field theories and Noether–Bessel-Hagen currents, *International Journal of Geometric Methods in Modern Physics* **13**(8), 1650067, available also on arXiv:1601.07193 (with Marcella Palese and Ekkehart Winterroth).

Preprints

- 2024 PB-groupoids vs VB-groupoids, 44 pages, available on arXiv:2406.06259 (with Alfonso Garmendia).
- 2022 A groupoid approach to transitive differential geometry, 52 pages, available on arXiv:2211.16639 (with Luca Accornero).
- 2022 Pseudogroups of symmetries and Morita equivalences, 46 pages, available on arXiv:2211.01319 (with Luca Accornero).

Works in progress (papers)

Multiplicative Haefliger foliations (with Madeleine Jotz).

"Non-transitive" Cartan geometries associated to contact subriemannian structures (with Ivan Beschastnyi, Andreas Čap and João Nuno Mestre).

Works in progress (books)

- 2024 *Pseudogroups and geometric structures*, ~400 pages (with Luca Accornero, Marius Crainic and María Amelia Salazar), preliminary version available at this [link](#).¹

Lecture notes

- 2024 *Lie groupoids and Poisson geometry*, 73 pages, available at this [link](#).
- 2023-2024 *Introduction to topology*, 82 pages, available at this [link](#).

Theses

- Feb 2020 *A general approach to almost structures in geometry*, PhD thesis supervised by professor Marius Crainic, Universiteit Utrecht, available on <https://dspace.library.uu.nl/handle/1874/395162> (247 pages).
- Jul 2015 *Conservation Laws in Variational Sequences*, Master thesis supervised by professor Marcella Palese, Università degli Studi di Torino (89 pages).
- Jul 2013 *Characteristic curves for PDEs: theory and application to Klein-Gordon equation in metric-affine formalism*, Bachelor thesis supervised by professor Lorenzo Fatibene, Università degli Studi di Torino (39 pages).

Research visits

- 20-24 May 2024 Centre de Recerca Matemàtica (Spain)
Invited by Alfonso Garmendia
- 11-15 Sept 2023 Universidade de Aveiro (Portugal)
Invited by Ivan Beschastnyi
- 24-28 Jul 2023 Università degli studi di Salerno (Italy)
Invited by Alfonso Tortorella

¹protected by the password *PreliminaryPseudogroupsProspectiveProfessorship*

- 13-17 Mar 2023 Universidade de Coimbra (Portugal)
Invited by João Nuno Mestre
- 13-16 Feb 2023 Max Planck Institut für Mathematik Bonn (Germany)
Invited by Christian Blohmann
- 25-29 Nov 2019 Universidade de São Paulo (Brazil)
Invited by Ivan Struchiner
- 24-25 Oct 2019 KU Leuven (Belgium)
Invited by Marco Zambon
- 26-28 Jun 2019 Georg-August-Universität Göttingen (Germany)
Invited by Madeleine Jotz
- 6-10 Nov 2017 Università degli studi di Salerno (Italy)
Invited by Luca Vitagliano

Grants, awards and scholarships

As a researcher

- Feb 2022 **Qualification aux fonctions de Maître de conférences (section 25) - nr. 22225373453**
Habilitation to become assistant professor of mathematics in the French university system
- Sept 2021 **INdAM (Italian national mathematics institute) GNSAGA (algebra and geometry) fellowship (~€24 000)**
Grant to fund own 1-year postdoc position in an Italian university - declined due to incompatibility with the DFG grant
- Mar 2021 **DFG (German research foundation) Walter Benjamin Stelle (~€190 000)**
Grant to fund own postdoc position in a German university
- Aug 2020 **ESI (Erwin Schrödinger Institute) Junior Research Fellowship (~€10 000)**
Grant to fund own 4-months visiting position at the University of Vienna

As a student

- Jul 2011- Jul 2016 **CIFI (Italian Railways Engineers Association) scholarship (€1000/year)**
National award for best academic results
- Oct 2010 - Jul 2015 **Collegio Einaudi scholarship**
Accommodation in a student residence hall in Torino and refund of fees due to exceptional academic achievements
- Jun 2015 **Support for excellence projects (€500)**
Grant for master students to attend national summer school or other excellence projects,
- Jun 2014 **Support for international mobility (€500)**
Grant for master students to attend international summer schools
- Oct 2011 **Marco Polo scholarship (€4000)**
Scholarship awarded to the best 1st year students enrolled to Piedmont's universities
- Dec 2009 **Piedmont Award of Excellence**
Acknowledgement of deserving students during school year 08/09

Talks

Talks in conferences and workshops

- (17-21 Sept 2024) Frame bundles of Lie/VB-groupoids
(invited) Non Commutative Geometry & Higher Structures (Thessaloniki, Greece)

- 27-28 June 2024 Frame bundles of Lie/VB-groupoids
(invited) Poisson aan de Waal 4 (Nijmegen, The Netherlands)
- 9 Apr 2024 Frame bundles of Lie/VB-groupoids
(invited) XII Bavarian Geometry & Topology Meeting (Regensburg, Germany)
- 6 Sept 2023 From Poisson geometry to pseudogroups and geometric structures
(invited) XXXI International Fall Workshop on Geometry and Physics (Santiago de Compostela, Spain)
- 31 May 2023 From PDEs on jet bundles to Pfaffian fibrations
(invited) Calculus of Variations and Field Theories (Torino, Italy)
- 15 Mar 2023 From Poisson geometry to pseudogroups and geometric structures
(invited) One day workshop in Geometry and Topology (Coimbra, Portugal)
- 8 Dec 2022 Multiplicative Haefliger foliations
Atelier on higher structures in differential geometry (Lyon, France)
- 9 June 2022 Pfaffian Morita equivalence and geometric structures
Noncommutative geometry and Higher structures (Scalea, Italy)
- 1 June 2022 Cartan geometries and Lie groupoids
(invited) Geometric methods in physics (Torino, Italy)
- 14 Sept 2020 Deoupling Cartan connections and coupling G -structures: a Cartan bundle story
(invited) Junior Global Poisson Workshop (online)
- 13 Dec 2019 Formal integrability of geometric structures
(invited) International conference on Poisson geometry (Rio de Janeiro, Brazil)
- 5 Sept 2019 Formal integrability of geometric structures
Differential Geometry and its Applications (Hradec Králové, Czech Republic)
- 14 Jun 2019 Formal integrability of geometric structures
(invited) Higher Geometric structures along the Lower Rhine (Utrecht, The Netherlands)
- 6 Nov 2017 PDEs and Pfaffian bundles
(invited) Micro-workshop on formal theory of PDEs (Fisciano, Italy)
- 2 Oct 2017 Pfaffian Morita equivalence
Lie Pseudogroups: Old and New (Driebergen, The Netherlands)
- 23 Aug 2017 Geometric structures and Pfaffian groupoids
Pure and Applied Differential Geometry (Leuven, Belgium)
- 6 Jun 2017 Almost Γ -structures and Pfaffian groupoids
Geometry and Algebra of PDEs (Tromsø, Norway)
- [Invited talks in seminars](#)
- 21 May 2024 An overview on Lie pseudgroups and geometric structures
(invited) SIJIMat Seminar (Barcelona, Spain)
- 26 Jul 2023 Multiplicative frame bundle of a Lie groupoid
(invited) Geometry Seminar (Salerno, Italy)
- 15 Mar 2023 Integrability of geometric structures with respect to a Lie algebra
(invited) Higher Differential Geometry seminar (Bonn, Germany)
- 15 Mar 2022 Morita equivalence and integrability of geometric structures
(invited) Göttingen-Würzburg Geometry Day (Würzburg, Germany)
- 18 Oct 2021 Filtered Lie groupoids and subriemannian contact structures
(invited) Poisson seminar (Leuven, Belgium)
- 11 Jun 2021 Cartan geometries and multiplicative forms
(invited) Deformation Quantisation seminar (Würzburg, Germany - online)

- 14 Oct 2020 Formal integrability of geometric structures
(invited) Cohomology in algebra, geometry, physics and statistics (Prague, Czech Republic - online)
- 29 Nov 2019 Formal integrability of geometric structures
(invited) Geometry Seminar (São Paulo, Brazil)
- 25 Oct 2019 Formal integrability of geometric structures
(invited) Geometry Seminar (Leuven, Belgium)
- 27 Jun 2019 An overview on Lie pseudogroups and geometric structures
(invited) Higher Structures Seminar (Göttingen, Germany)
- 7 Nov 2016 From PDEs to Pfaffian bundles
(invited) Seminars of the Mathematics Department (Torino, Italy)

Other talks and posters

- 24 Nov 2023 Multiplicative frame bundle of a Lie/VB groupoid
Oberseminar Deformation Quantisation and Geometry (Würzburg, Germany)
- 31 Oct 2023 Spooky frames on Lie groupoids
(gong talk) Atelier on higher structures in differential geometry (Lyon, France)
- 16 Dec 2022 Jet bundles and geometry of PDEs
Oberseminar Geometrie (Würzburg, Germany)
- 29 Nov 2021 Filtered Lie groupoids and subriemannian contact structures
Oberseminar Geometrie (Würzburg, Germany)
- 15 Feb 2021 Cartan geometries: (transitive) Cartan algebroids: (transitive) Cartan groupoids =
parabolic geometries: (transitive) Courant algebroids: ?
Virtual SFARS seminar (online)
- 28 Apr 2020 Cartan geometries and multiplicative forms
Poisson seminars (Leuven, Belgium - online)
- 3 Jul 2019 An overview on Lie pseudogroups and geometric structures
Geometry and Quantum Theory School (Den Dolder, The Netherlands)
- 9 May 2018 Morita equivalence and geometric structures
(poster) A century of Noether theorem (Torino, Italy)
- 20 Apr 2018 EDSs and PDEs
Friday Fish seminars (Utrecht, The Netherlands)
- 23 Mar 2018 Proof and consequences of Cartan-Kähler theorem
Friday Fish seminars (Utrecht, The Netherlands)
- 2 Mar 2018 Introduction to EDS and Cartan-Kähler theorem
Friday Fish seminars (Utrecht, The Netherlands)
- 29 May 2017 Geometric structures and Pfaffian groupoids
(poster) Casuality in General Relativity and related topics (Torino, Italy)
- 15 May 2017 Geometric structures, integrability and Pfaffian groupoids
Friday Fish seminars (Utrecht, The Netherlands)
- 21 Oct 2016 Introduction to DGLAs and examples of deformation problems
Friday Fish seminars (Utrecht, The Netherlands)

Teaching

Lecturer

(Apr - Jul 2025)	Geometric Mechanics (MSc)	<i>Würzburg (4 hours/week)</i>
(Oct 2024-Feb 2025)	Einführung in die Topologie (2nd/3rd BSc)	<i>Würzburg (3 hours/week)</i>

Apr - Jul 2024	Lie groupoids and Poisson geometry (MSc)	Würzburg (2 hours/week)
Oct 2023 - Feb 2024	Einführung in die Topologie (2nd/3rd BSc)	Würzburg (3 hours/week)
	Minicourses	
Feb 2021	Lie groupoids and Cartan geometries	Vienna (6 hours)
Nov 2019	Lie pseudogroups and geometric structures	São Paulo (6 hours)
Sept 2017	Lie groupoids and Lie pseudogroups	Utrecht (14 hours)
June 2016	Poisson geometry	Utrecht (5 hours)
	Reading seminars	
Oct 2023 - Feb 2024	Seminar in Linear Algebra (2nd/3rd BSc)	Würzburg (2 hours/week)
Feb - Jun 2019	Seminar in Differential Geometry (MSc)	Utrecht (2 hours/week)
	Teaching assistant	
(Apr - Jul 2025)	Geometric Mechanics (MSc)	Würzburg (2 hours/week)
(Oct 2024-Feb 2025)	Einführung in die Topologie (2nd/3rd BSc)	Würzburg (1 hours/week)
Oct 2023 - Feb 2024	Einführung in die Topologie (2nd/3rd BSc)	Würzburg (1 hours/week)
Nov 2018 - Jan 2019	Inleiding Topologie (2nd BSc)	Utrecht (4 hours/week)
Apr - Jun 2018	Analyse (1st BSc)	Utrecht (4 hours/week)
Sept - Nov 2017	Functies en Reeksen (2nd BSc)	Utrecht (4 hours/week)
Nov 2016 - Jan 2017	Inleiding Topologie (2nd BSc)	Utrecht (4 hours/week)
Sept - Dec 2016	Differential Geometry (MSc)	Utrecht (1 hour/week)
Sept - Nov 2016	Functies en Reeksen (2nd BSc)	Utrecht (4 hours/week)
Apr - June 2016	Analyse (1st BSc)	Utrecht (4 hours/week)
Nov 2015 - Jan 2016	Inleiding Topologie (2nd BSc)	Utrecht (4 hours/week)
Sept - Dec 2015	Differential Geometry (MSc)	Utrecht (1 hour/week)
Sept - Nov 2015	Functies en Reeksen (2nd BSc)	Utrecht (4 hours/week)
Mar - Jun 2015	Geometria 1 (1st BSc)	Torino (2 hours/week)
Sept 2014 - Jan 2015	Geometria 2 (2nd BSc)	Torino (2 hours/week)
Sept 2013 - Jan 2014	Analisi Matematica 2 (2nd BSc)	Torino (2 hours/week)

Supervision

Apr 2024 - today	Supervisor of a bachelor thesis on topology (Julius-Maximilians-Universität Würzburg)
Sept - Dec 2020	Supervisor of the bachelor theses of six students on topics concerning linear G -structures (KU Leuven)
Sept - Dec 2016	Co-supervisor (together with M. Crainic) of a visiting bachelor student (Universidade de São Paulo) during his stay in Utrecht

Service and outreach

Workshop organisation

6-8 Mar 2024	Co-organiser of the 3-day workshop "59th Seminar Sophus Lie" in Würzburg
16-20 Aug 2021	Co-organiser of the 5-day workshop "A finite and infinite-dimensional meeting on Lie groupoids, Poisson geometry and integrability" in Vienna
27 Feb 2020	Organiser of the 1-day workshop on "Geometric structures, Lie groupoids and symmetries" in Utrecht
2-4 Oct 2017	Organiser of the 3-day workshop "Lie pseudogroups: old and new" in Driebergen

Seminar organisation

- Dec 2016 - Feb 2020 **Organiser** of the Friday Fish seminars (the **weekly seminars** of the research group in Differential Geometry of Utrecht University)
- Mar - May 2018 **Co-organiser** of a weekly **Reading seminar** on Exterior Differential Systems for researchers in Geometry of Utrecht University
- Outreach**
- Feb 2021 - today **Editor** of the WikiProject Mathematics and **major contributor** to the wikipedia pages *Poisson manifold*, *Lie groupoid*, *Lie algebroid*, *Diffeology*, *Differentiable stack*, *Diffiety*, *Distribution*, *Moser's trick* and *Weinstein's neighbourhood theorem*
- (4 Sept 2024) **Co-organiser** of a workshop about Geometry at the wümax Mathe-Camp, addressed at high school pupils
- 23-24 Feb 2024 **Test invigilator and grader** at the 63th Bayern Mathematical Olympiads, addressed at high school pupils
- Dec 2015 - Dec 2022 **Speaker** at the annual workshop Welcome Home (Torino), addressed at master students interesting in pursuing a PhD
- Sept 2016, Feb 2017 **Speaker** at the workshop PhD life (Utrecht), within the orientation activities for prospective master students
- Jan 2016 - today **Mentor** for bachelor and master students of Collegio Einaudi di Torino, as a member of the Collegio Einaudi Alumni Association
- Other professional activities**
- (9 Aug 2024) **Committee member** of the PhD defence of Luiz Felipe Villar Fushimi (São Paulo)
- Jul 2024 **Second reader** of a MSc thesis (Würzburg)
- Apr 2022 - today **Reviewer** for Zentralblatt MATH (9 reviews)
- 29 Sept 2021 **Committee member** of the PhD defence of Luca Accornero (Utrecht)

Memberships

Memberships of scientific organisations and networks

- Jan 2023 - today **CaLISTA - WG1**
European COST Action - working group on Cartan geometry and representation theory
- Jan 2020 - today **INdAM - GNSAGA**
Italian National Institute of Mathematics - section of algebra, geometry and applications
- Sept 2015 - Feb 2020 **GQT**
Dutch mathematical research cluster on geometry and quantum theory
- Participations to research projects**
- Apr-Sept 2021 **Banach Poisson-Lie groups and integrable systems**
FWF (Austrian research foundation) - NSC (Polish research foundation) Mozart project
- Apr-Dec 2020 **Symplectic Techniques in Differential Geometry**
FWO-FNRS (Belgian research foundations) EOS project
- Sept 2015 - Feb 2020 **Poisson geometry Inside Out**
NWO (Dutch research foundation) VICI project

Conferences, workshops and schools

1-week events

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|-------------------|--|------------------------------|
| (17-21 Sept 2024) | Non Commutative Geometry & Higher Structures | <i>Thessaloniki (Greece)</i> |
| 11-14 Jun 2024 | Lie Groupoids, Lie Algebroids & Differentiable Stacks | <i>Napoli (Italy)</i> |

4-7 Sept 2023	XXXI International Fall Workshop on Geometry and Physics	<i>Santiago de Compostela (Spain)</i>
19-23 Jun 2023	The many interactions of symplectic and Poisson geometry	<i>Paris (France)</i>
17-21 Apr 2023	Higher Structures in Geometry and Mathematical Physics	<i>Luminy (France)</i>
25-29 Jul 2022	Poisson Geometry Conference 2022	<i>Madrid (Spain)</i>
18-22 Jun 2022	Poisson Geometry Summer School 2022	<i>Barcelona (Spain)</i>
6-10 Jun 2022	Noncommutative geometry and higher structures	<i>Scalea (Italy)</i>
28 Feb - 4 Mar 2022	Foliations, pseudodifferential operators and groupoids	<i>Göttingen (Germany)</i>
10-14 Jan 2022	Lie theory and Poisson geometry	<i>Luminy (France)</i>
16-20 Aug 2021	Finite-infinite workshop	<i>Vienna (Austria)</i>
30 Nov - 4 Dec 2020	15th Workshop on Geometry, Mechanics, and Control	<i>Utrecht (The Netherlands) - online</i>
9-13 Dec 2019	International Conference on Poisson geometry	<i>Rio de Janeiro (Brazil)</i>
2-6 Dec 2019	School on Poisson geometry	<i>Rio de Janeiro (Brazil)</i>
2-6 Sept 2019	Differential Geometry and its Applications	<i>Hradec Králové (Czech Republic)</i>
10-14 Sept 2018	Poisson Geometry and Higher Structures	<i>Roma (Italy)</i>
16-20 Jul 2018	Poisson Geometry Conference 2018	<i>Toronto (Canada)</i>
9-13 Jul 2018	Poisson Geometry Summer School 2018	<i>Toronto (Canada)</i>
6-10 Nov 2017	Formal theory of PDEs	<i>Fisciano (Italy)</i>
21-25 Aug 2017	Pure and Applied Differential Geometry	<i>Leuven (Belgium)</i>
6-10 Jun 2017	Geometry and Algebra of PDEs	<i>Tromsø (Norway)</i>
19 Jul-2 Aug 2016	XIX Diffiety Summer School on Geometry of PDEs	<i>Lizzano in Belvedere (Italy)</i>
4-8 Jul 2016	Poisson Geometry Conference 2016	<i>Zürich (Switzerland)</i>
27 Jun-1 Jul 2016	Poisson Geometry Summer School 2016	<i>Genève (Switzerland)</i>
20 Jul-4 Aug 2015	XVIII Diffiety Summer School on Geometry on PDEs	<i>Lizzano in Belvedere (Italy)</i>
11-15 Aug 2014	24th Jyväskylä Summer School on Mathematics	<i>Jyväskylä (Finland)</i>
	1- to 3-day events	
27-28 Jun 2024	Poisson aan de Waal 4	<i>Nijmegen (The Netherlands)</i>
8-9 Apr 2024	XII Bavarian Geometry & Topology Meeting	<i>Regensburg (Germany)</i>
6-8 Mar 2024	59th Seminar Sophus Lie	<i>Würzburg (Germany)</i>
31 Oct-3 Nov 2023	Atelier on higher structures in differential geometry	<i>Lyon (France)</i>
20-22 Sept 2023	Poisson Geometry, Higher Structures, and Deformation Theory	<i>Würzburg (Germany)</i>
31 May 2023	Calculus of Variations and Field Theories	<i>Torino (Italy)</i>
15 Mar 2023	One day workshop in Geometry and Topology	<i>Coimbra (Portugal)</i>
7-9 Dec 2022	Atelier on higher structures in differential geometry	<i>Lyon (France)</i>
1 Jun 2022	Geometric methods in physics	<i>Torino (Italy)</i>
3-6 May 2021	Junior Global Poisson workshop II	<i>online (Earth)</i>
1-2 Oct 2020	Singular foliations and related structures	<i>Essen (Germany) - online</i>
14-16 Sept 2020	Junior Global Poisson workshop	<i>online (Earth)</i>
10-11 Sept 2020	Workshop on multisymplectic geometry	<i>Leuven (Belgium) - online</i>
31 Oct-2 Nov 2019	Workshop on contact and Poisson geometry	<i>Timișoara (Romania)</i>
13-14 May 2019	Workshop on singular foliations	<i>Leuven (Belgium)</i>

12-14 Dec 2018	Poisson aan de Waal	<i>Nijmegen (The Netherlands)</i>
9 May 2018	A century of Noether theorems	<i>Torino (Italy)</i>
2-4 Oct 2017	Lie pseudogroups: old and new	<i>Driebergen (The Netherlands)</i>
29 May 2017	Casuality in General Relativity and related topics	<i>Torino (Italy)</i>
25-26 Jun 2015	Variational Principles and Conservation Laws in General Relativity	<i>Torino (Italy)</i>

Local recurring events

(25-28 Oct 2024)	Exploring new arrows in the BGW-groupoid	<i>Bielefeld (Germany)</i>
2-3 May 2024	Higher Geometric Structures along the Lower Rhine XVII	<i>Bonn (Germany)</i>
27-30 Oct 2023	Higher differential geometry in the BGW groupoid II	<i>Höchst im Odenwald (Germany)</i>
9-11 Jun 2023	Higher differential geometry in the BGW groupoid	<i>Bad Münster am Stein (Germany)</i>
16-17 Feb 2022	Higher Geometric Structures along the Lower Rhine XVI	<i>Utrecht (The Netherlands)</i>
22 Dec 2022	Twelfth Welcome Home workshop	<i>Torino (Italy)</i>
3-4 Nov 2022	Higher Geometric Structures along the Lower Rhine XV	<i>Nijmegen (The Netherlands)</i>
15 Mar 2022	Göttingen-Würzburg Geometry Day	<i>Würzburg (Germany)</i>
21-22 Dec 2021	Eleventh Welcome Home workshop	<i>Torino (Italy)</i>
20-21 Dec 2020	Tenth Welcome Home workshop	<i>Torino (Italy) - online</i>
Jul 2020 - June 2021	Friday Fish seminar - online edition	<i>Utrecht (The Netherlands) - online</i>
12-13 Mar 2020	Higher Geometric Structures along the Lower Rhine XIV	<i>Bonn (Germany)</i>
19-20 Dec 2019	Ninth Welcome Home workshop	<i>Torino (Italy)</i>
4-5 Jul 2019	XI Geometry and Quantum Theory Colloquium	<i>Den Dolder (The Netherlands)</i>
1-3 Jul 2019	XI Geometry and Quantum Theory Graduate School	<i>Den Dolder (The Netherlands)</i>
13-14 Jun 2019	Higher Geometric Structures along the Lower Rhine XIII	<i>Utrecht (The Netherlands)</i>
15 Mar 2019	Mini-workshop on Symplectic Geometry	<i>Utrecht (The Netherlands)</i>
31 Jan-1 Feb 2019	Higher Geometric Structures along the Lower Rhine XII	<i>Nijmegen (The Netherlands)</i>
20-21 Dec 2018	Eight Welcome Home workshop	<i>Torino (Italy)</i>
29-30 Nov 2018	X Geometry and Quantum Theory Colloquium	<i>Groesbeek (The Netherlands)</i>
26-28 Nov 2018	X Geometry and Quantum Theory Graduate School	<i>Groesbeek (The Netherlands)</i>
21-22 Sept 2018	Mini-workshop on Symplectic Geometry	<i>Amsterdam (The Netherlands)</i>
7-8 Jun 2018	IX Geometry and Quantum Theory Colloquium	<i>Groesbeek (The Netherlands)</i>
4-6 Jun 2018	IX Geometry and Quantum Theory Graduate School	<i>Groesbeek (The Netherlands)</i>
16 Mar 2018	Mini-workshop on Symplectic Geometry	<i>Utrecht (The Netherlands)</i>
8-9 Mar 2018	Higher Geometric Structures along the Lower Rhine XI	<i>Bonn (Germany)</i>
21-22 Dec 2017	Seventh Welcome Home workshop	<i>Torino (Italy)</i>
19-20 Oct 2017	Higher Geometric Structures along the Lower Rhine X	<i>Utrecht (The Netherlands)</i>
6-7 Jul 2017	VIII Geometry and Quantum Theory Colloquium	<i>Den Dolder (The Netherlands)</i>

3-5 Jul 2017	VIII Geometry and Quantum Theory Graduate School	<i>Den Dolder (The Netherlands)</i>
11-12 May 2017	Higher Geometric Structures along the Lower Rhine IX	<i>Nijmegen (The Netherlands)</i>
17 Mar 2017	Mini-workshop on Symplectic Geometry	<i>Utrecht (The Netherlands)</i>
15-16 Dec 2016	Higher Geometric Structures on the Lower Rhine VIII	<i>Bonn (Germany)</i>
1-2 Dec 2016	VII Geometry and Quantum Theory Colloquium	<i>Den Dolder (The Netherlands)</i>
28-30 Nov 2016	VII Geometry and Quantum Theory Graduate School	<i>Den Dolder (The Netherlands)</i>
30 Sept 2016	Mini-workshop on Symplectic Geometry	<i>Amsterdam (The Netherlands)</i>
9-10 Jun 2016	VI Geometry and Quantum Theory Colloquium	<i>Zeist (The Netherlands)</i>
6-8 Jun 2016	VI Geometry and Quantum Theory Graduate School	<i>Zeist (The Netherlands)</i>
7-8 Apr 2016	Higher Geometric Structures on the Lower Rhine VII	<i>Leuven (Belgium)</i>
23 Mar 2016	Benelux Mathematical Congress	<i>Amsterdam (The Netherlands)</i>
11 Mar 2016	Mini-workshop on Symplectic Geometry	<i>Utrecht (The Netherlands)</i>
21-22 Dec 2015	Fifth Welcome Home Workshop	<i>Torino (Italy)</i>
29-30 Oct 2015	V Geometry and Quantum Theory Colloquium	<i>Zeist (The Netherlands)</i>
26-28 Oct 2015	V Geometry and Quantum Theory Graduate School	<i>Zeist (The Netherlands)</i>
24-26 Sept 2015	Higher Geometric Structures on the Lower Rhine VI	<i>De Bilt (The Netherlands)</i>
18-20 May 2012	AlfaClass Update 2nd edition - Mathematics Spring School	<i>Biella (Italy)</i>
6-10 Sept 2011	AlfaClass 3rd edition - Mathematics Summer School	<i>Solonghello (Italy)</i>

Languages

(with levels of last certificate taken according to the [Common European Framework of Reference](#))

Italian	Native	
English	Fluent	<i>Certificate in Advanced English (level C1) - 2011</i>
French	Good	<i>Diplôme d'Études en Langue Française (level B2) - 2015</i>
Dutch	Good	<i>Babel Certificaat (level B1) - 2017</i>
German	Good	<i>Sprachenzentrum Zertifikat (level B2.1) - 2022</i>

References

Marius Crainic (*Universiteit Utrecht*): PhD supervisor

Luca Vitagliano (*Università degli studi di Salerno*): PhD thesis referee

Marco Zambon (*KU Leuven*): postdoc supervisor

Madeleine Jotz (*Julius-Maximilians-Universität Würzburg*): postdoc supervisor

Last update: July 18, 2024