

Personal

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Research interests

Poisson geometry and generalized complex geometry.
Symplectic geometry, gauge theory, Dirac geometry, index theory, and low-dimensional topology.

Employment

Université libre de Bruxelles Postdoctoral researcher.	09/2017 - —
Utrecht University Ph.D. candidate.	09/2013 - 08/2017
Utrecht University Teaching assistant.	09/2012 - 08/2013

Education

Utrecht University Ph.D. in Mathematics. Thesis: “Geometric structures and Lie algebroids” Advisor: dr. G.R. Cavalcanti. Promotor: prof. dr. M.N. Crainic	09/2013 - 08/2017
Utrecht University M.Sc. in Mathematical Sciences, <i>cum laude</i> . Thesis: “Seiberg-Witten theory for symplectic manifolds” Supervisor: dr. G.R. Cavalcanti	09/2011 - 09/2013
Eindhoven University of Technology B.Sc. in Applied Physics, <i>cum laude</i> . Honors Horizon Program Thesis: “Protein-mediated instability of curved membranes” Supervisor: dr. C. Storm	09/2008 - 09/2012
Eindhoven University of Technology B.Sc. in Applied Mathematics, <i>cum laude</i> . Honors Horizon Program Thesis: “Protein-mediated instability of curved membranes” Supervisor: prof. dr. M.A. Peletier	09/2007 - 10/2011

Honors

KWG (Royal Dutch Mathematical Society) PhD prize 2017	04/2017
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Publication list

Preprints

Fibrations and log-symplectic structures (with Gil Cavalcanti)	arXiv:1606.00156
Fibrations and stable generalized complex structures (with Gil Cavalcanti)	arXiv:1703.03798
Classification of boundary Lefschetz fibrations (with Stefan Behrens, Gil Cavalcanti)	arXiv:1706.09207

In preparation

Splitting theorems for \mathcal{A} -Poisson structures (with Melinda Lanius)
 Rigged algebroids and \mathcal{A} -Poisson cohomology (with Melinda Lanius)
 Dirac and Poisson geometry on ideal Lie algebroids

Theses

Protein-mediated instability of curved membranes	Bachelor, Eindhoven University of Technology
Seiberg-Witten theory for symplectic manifolds	Master, Utrecht University
Geometric structures and Lie algebroids	Ph.D., Utrecht University

Talks and posters presented

Four-manifolds and Seiberg-Witten theory (full day minicourse, with Stefan Behrens)	10/2015
GQT graduate school & colloquium - Zeist	
Monopole Floer homology and log-symplectic structures (two hour talk)	04/2016
Friday Fish seminar - UU, Utrecht	
Fibrations and log-symplectic structures (poster)	07/2016
Poisson 2016 school and conference - UNIGE, Geneva & ETH, Zurich	
Log-symplectic and stable generalized complex structures (one hour talk)	11/2016
GQT graduate school & colloquium - Zeist	
Constructing \mathcal{A}-symplectic structures (two hour talk)	01/2017
Friday Fish seminar - UU, Utrecht	
Constructing \mathcal{A}-symplectic structures (one hour talk)	02/2017
Symplectic and Poisson geometry seminar - UIUC, Urbana-Champaign	
Stable generalized complex structures (several one hour talks)	02-03/2017
Informal lecture series - UIUC, Urbana-Champaign	
Constructing \mathcal{A}-symplectic structures (KWG Prize talk)	04/2017
Dutch Mathematical Congress (NMC) 2017 - UU, Utrecht	
Constructing \mathcal{A}-symplectic structures (one hour talk)	05/2017
Geometry seminar - ULB, Brussels	
Constructing \mathcal{A}-symplectic structures (one hour talk)	05/2017
Higher structures along the lower Rhine IX - RU, Nijmegen	
Constructing \mathcal{A}-symplectic structures (one hour talk)	08/2017
Poisson geometry and stacks - Fields Institute, Toronto	
Constructing \mathcal{A}-symplectic structures (one hour talk)	08/2017
Pure and Applied Differential GEometry - PADGE 2017, KU Leuven	

Teaching experience

As teaching assistant at Utrecht University, assisting tutorial sessions and grading:

WISB132 Calculus A	2012, Fall
WISB121 Linear algebra A	2012, Fall
WISB231 Differential equations	2013, Spring
WISM414 Analysis on manifolds (Atiyah-Singer index theorem)	2013, Spring

As instructor at Utrecht University, leading tutorial sessions, setting exams:

WISB132 Calculus A	2013, Fall
WISB114 Analysis	2014, Spring
WISB114 Analysis	2015, Spring
WISB231 Differential equations	2016, Spring

As lecturer at Utrecht University:

WISB101 What is math?	2014, Fall
WISB101 What is math?	2015, Fall
WISB101 What is math?	2016, Fall

Schools and conferences attended

Geometry and topology of smooth 4-manifolds	MPIM, Bonn	06/2013
Higher structures along the lower Rhine III	UU, Utrecht	10/2013
GQT graduate school & colloquium	GQT, Zeist	01/2014
Workshop on Lie Pseudogroups	UU, Driebergen	06/2014
GQT graduate school & colloquium	GQT, Zeist	07/2014
Poisson 2014 school and conference	UoI, Urbana-Champaign	08/2014
GQT graduate school & colloquium	GQT, Zandvoort	11/2014
New trends in generalized geometry and Poisson geometry	ICMAT, Madrid	11/2014
Mini-Workshop on Symplectic Geometry I	UU, Utrecht	03/2015
GQT graduate school & colloquium	GQT, Den Dolder	06/2015
Summer School on Moduli Problems in Symplectic Geometry	IHES, Bures-sur-Yvette	07/2015
Higher structures along the lower Rhine VI	UU, De Bilt	09/2015
Mini-Workshop on Symplectic Geometry II	VU, Amsterdam	10/2015
GQT graduate school & colloquium	GQT, Zeist	10/2015
Mini-Workshop on Symplectic Geometry III	UU, Utrecht	03/2016
Benelux Mathematical Congress BeNeLuxMC	UvA, Amsterdam	03/2016
Higher structures along the lower Rhine VII	KU Leuven, Leuven	04/2016
Perspectives in topology and geometry of 4-manifolds	IUC, Dubrovnik	06/2016
Poisson 2016 school and conference	UNIGE, Geneva & ETH, Zurich	07/2016
Workshop on 3-manifolds and Floer theories	University of Regensburg	07/2016
Workshop on Symplectic Field Theory VIII	Humboldt University, Berlin	08/2016
Mini-Workshop on Symplectic Geometry IV	VU, Amsterdam	09/2016
GQT graduate school & colloquium	GQT, Den Dolder	11/2016
Higher structures along the lower Rhine VIII	MPIM, Bonn	12/2016
53rd Dutch Mathematical Congress	UU, Utrecht	04/2017
Higher structures along the lower Rhine IX	RU, Nijmegen	05/2017
GQT graduate school & colloquium	GQT, Den Dolder	07/2017
Poisson geometry and stacks	Fields Institute, Toronto	08/2017
Symplectic geometry - celebrating the work of Simon Donaldson	INI, Cambridge	08/2017
Pure and Applied Differential GEometry - PADGE 2017	KU Leuven, Leuven	08/2017
Workshop on topological aspects of symplectic foliations	Université de Lyon 1, Lyon	09/2017
Lie Pseudogroups: Old and New	UU, Driebergen	10/2017

Languages

Dutch: native
English: fluent
German: fair