Ioan Tiberiu Mărcuţ

Personal information

Born: March 24, 1984, Sibiu, Romania

Citizenship: Romanian

Languages: Romanian, English, German

Home Address: Menadostraat 20, 3532 SM, Utrecht, The Netherlands

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Education and employment

Postdoc position

- Utrecht University, September 2012 - August 2013
- supported by the ERC Starting Grant no. 279729

Doctorial studies in mathematics

- Utrecht University, September 2008 - February 2013 (expected)
- Thesis: *Normal Forms in Poisson Geometry*
- Advisor: Prof. Marius Crainic
- supported by the NWO project "Poisson topology"

Master Class: *Quantum Groups, Affine Lie Algebras and their Applications*

- Utrecht University, September 2007 - June 2008
- Research project: *Representations of $U_q(\widehat{\mathfrak{sl}}_2)$ and the affine Hecke algebra*
- Advisor: Prof. Jasper Stokman, Universiteit van Amsterdam

Undergraduate studies in mathematics

- Babeş-Bolyai University, Cluj-Napoca, Romania, September 2003 - June 2007
- Thesis: *Linear Algebraic Groups*
- Advisor: Prof. Andrei Mărcuş

Research

Research interests

- Poisson geometry, symplectic geometry, Lie theory, global analysis

Publications and preprints

- "*Deformations of the Lie-Poisson Sphere of a Compact Semisimple Lie Algebra*", arXiv:1208.2298
- "*Rigidity around Poisson Submanifolds*", arXiv:1208.2297
- "*A Normal Form Theorem around Symplectic Leaves*", with M.Crainic, to appear in J. Differential Geom., arXiv:1009.2090v3
- "*Formal Equivalence of Poisson Structures around Poisson Submanifolds*", Pacific J. Math. **255** (2012), no. 2, 439–461
- "*On the Existence of Symplectic Realizations*", with M.Crainic, J. Symplectic Geom. **9** (2011), no. 4, 435–444

Organizing learning seminars

- *J-holomorphic curves*, Spring 2012, with M.Crainic, P.Frejlich, F.Schätz, B.Osorno Torres, R.Wang
- *The "teach Boris and João everything you know" seminar*, 2010, with M.A.Salazar Pinzón
- *The Nash-Moser inverse function theorem*, 2010, with M.Crainic, I.Struchiner, R.Wang
- *Normal forms in differential geometry*, 2008, with M.Crainic

Teaching

- Teaching assistance for various courses at Utrecht University, 2008 - 2012
- Training the Utrecht University team for the *International Mathematics Competition for University Students*, Spring 2011, Spring 2012

Miscellaneous

- Part of the organizing committee for the school and conference "Poisson 2012", Utrecht, July 23 - August 3rd 2012, *http://www.projects.science.uu.nl/poisson2012*
- Supervisor (jointly with M.Crainic) of the master's thesis of Roy Wang: "The Nash-Moser theorem and applications", Utrecht University, January 2012
- First Prize at the *International Mathematics Competition for University Students* in 2004, 2005 and 2006, *http://www.imc-math.org.uk/*