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# David Li-Bland

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## Current Employment

2012– **NSF Mathematical Sciences Postdoctoral Research Fellowship**, *U.C. Berkeley.*

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## Education

2007–2012 **Ph. D.**, *University of Toronto*, Advisor: Eckhard Meinrenken.  
Mathematics

2006–2007 **M. Sc.**, *University of Chicago*.  
Mathematics

2001–2005 **Hons. B. Sc.**, *University of Toronto*, *High Distinction*.  
Mathematics

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## Research Interests

Differential Geometry, Lie Theory, Symplectic/Poisson Geometry, Mathematical Physics

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## Research Honours and Awards

2012–2015 **NSF Mathematical Sciences Postdoctoral Research Fellowship**, *Award No.: DMS-1204779.*

2012 **NSERC PDF**, *Declined.*

2008–2011 **NSERC CGS-D**, *University of Toronto.*

2008 **John Robert Gilkison Smyth Mathematics Scholarship**, *University of Toronto.*

2007 **Helen Sawyer Hogg Graduate Admission Award**, *University of Toronto.*

2006 **Robert R. McCormick Fellowship**, *University of Chicago.*

2005 **NSERC CGS-M**, *Declined.*

2005 **Chancellor's Silver Medal**, *University of Toronto, Trinity College.*

2005 **Provost's Scholar**, *University of Toronto.*

2005 **Coxeter Scholarship in Mathematics**, *University of Toronto.*

2005 **Ivan Szak Scholarship in Mathematics**, *University of Toronto.*

2004 **Dickinson-Cartwright Scholarship**, *University of Toronto.*

2004 **Margaret Ronald Taylor and Thomas Paxton Taylor Award**, *University of Toronto.*

2004 **Norman Stuart Robertson Scholarship in Mathematics**, *University of Toronto.*

- 2004 **University of Toronto Scholar**, *University of Toronto*.  
2003 **NSERC USRA**, *University of Toronto*.  
2003 **Mrs. Mitzi Newman**, *University of Toronto*.  
2002 **NSERC USRA**, *University of Toronto*.  
2002, 2003, 2004, 2005 **Dean's List Scholar**, *University of Toronto*.

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## Teaching Experience

### Course Instructor

- 2009 **MAT188F (Applied Linear Algebra)**, *University of Toronto*.

### Teaching Assistant

- 2012 **MAT1301S (Topology II)**, *University of Toronto*.  
2010,2011 **MAT1300F (Topology I)**, *University of Toronto*.  
2009 **MAT357S (Real Analysis I)**, *University of Toronto*.  
2008 **MAT197S (Calculus B)**, *University of Toronto*.  
2008 **MAT195S (Calculus II)**, *University of Toronto*.  
2007 **MAT196S (Calculus A)**, *University of Toronto*.  
2007 **MAT194S (Calculus I)**, *University of Toronto*.  
2005 **MAT223S (Linear Algebra I)**, *University of Toronto*.  
2004 **MAT223F (Linear Algebra I)**, *University of Toronto*.

### Training

- 2009 **MAT1499 Teaching Large Mathematics Classes**, *University of Toronto*.

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## Publications

### Submitted

David Li-Bland and Eckhard Meinrenken. "Dirac Lie groups." pp. 1–46 (2011). Available at <http://arxiv.org/abs/1110.1525>.

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### Published

David Li-Bland and Pavol Ševera. "Integration of Exact Courant Algebroids." *Electronic Research Announcements in Mathematical Sciences* **19**, 58–76 (2012). Available at <http://arxiv.org/abs/1101.3996>.

David Li-Bland. "AV-Courant Algebroids and Generalized CR Structures." *Canadian Journal of Mathematics* **63**, 938–960 (2011). Available at <http://arxiv.org/abs/0811.4470>.

David Li-Bland and Pavol Ševera. "Quasi-Hamiltonian groupoids and multiplicative Manin pairs." *International Mathematics Research Notices* **2011**, 2295–2350 (2011). Available at <http://arxiv.org/abs/0911.2179>.

David Li-Bland and Eckhard Meinrenken. "Courant algebroids and Poisson geometry." *International Mathematics Research Notices* **2009**, 2106–2145 (2009). Available at <http://arxiv.org/abs/0811.4554>.

## Ph. D. Thesis

David Li-Bland. *LA-Courant algebroids, and applications*. Ph.D. thesis, University of Toronto (2012).

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## Service

2010-2011 *Symplectic geometry seminar* organizer, University of Toronto

2009-2010 *Departmental council*, University of Toronto

2009-2010 *Graduate planning committee*, University of Toronto

2008-2009 *Graduate seminar committee*, University of Toronto

## Referee for

- Proceedings of the Poisson 2010 Conference
- Journal of Symplectic Geometry
- Cambridge University Press
- IMRN

## Miscellaneous

*AMS Math Reviews* reviewer

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## Talks

October 2012 Stanford University, Northern California Symplectic Geometry Conference

July 2012 Universiteit Utrecht, Conference on Poisson Geometry 2012

June 2012 University of Regina, CMS Summer Meeting, Special Session on Geometry and Topology of Lie Transformation Groups

October 2011 Washington University, Gone Fishing Meeting

November 2010 University of Notre Dame, AMS Fall Central Section Meeting, Special Session on Geometry and Lie Theory

October 2010 University of Toronto, Symplectic Geometry Seminar

September 2009 University of Toronto, Symplectic Geometry Seminar

May 2009 University of Hong Kong, Workshop on Geometry

February 2009 Université de Genève, Séminaire Groupes de Lie et espaces des modules

January 2009 University of Toronto, Symplectic Geometry Seminar