

CURRICULUM VITAE

ARTEM PULEMOTOV

School of Mathematics and Physics
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Employment

<i>The University of Queensland</i>	
Senior Lecturer	2016–present
Lecturer	2012–2015
<i>The University of Chicago</i>	
L.E. Dickson Instructor	2009–2012

Education

<i>Cornell University</i>	
PhD in Mathematics (advisor: Leonard Gross)	2004–2009
<i>Taras Shevchenko National University of Kyiv</i>	
Bachelor of Mathematics, with distinction (advisor: Yuri Berezansky)	1999–2003

Grants, Awards, and Fellowships

- *The University of Queensland School of Mathematics and Physics Teaching Grant* (\$3,630) 2018
Joint with Poh Wah Hillock
- *Australian Research Council Discovery Project Grant* (\$312,438) 2018–2020
Joint with Mark Gould and Yanir Rubinstein
- *Australian Research Council Discovery Early-Career Researcher Award* (\$345,000) 2015–2017
- *AMSI/AustMS Workshop Funding* (\$14,000) 2014
Joint with Thierry Coulhon, Huy Nguyen, Glen Wheeler and Valentina-Mira Wheeler
- *The University of Queensland Faculty of Science Teaching Grant* (\$33,810) 2014
Joint with Catherine Holmes, Jon Links, Melanie Robertson-Dean and Victor Scharaschkin
- *The University of Queensland Early Career Researcher Grant* (\$32,590) 2013–2014
- *The University of Queensland New Staff Research Start-up Grant* (\$12,000) 2012–2013
- *AMS-Simons Travel Grant* (\$4,000) 2011–2012
- *Robert John Battig Graduate Prize* 2008
Cornell Mathematics Department award for excellence and promise in research
- *Cornell Mathematics Department Graduate Student Teaching Award* 2008
- *Eleanor Norton York Award in Mathematics* 2006
Cornell Mathematics Department award for achievements in research
- *Cornell Graduate Fellowship* 2004–2006

Research Interests

Geometric analysis
Geometry of homogeneous spaces, boundary-value problems for geometric partial differential equations
Prescribed Ricci curvature problem, Yang-Mills theory, Ricci flow, heat equation

Conference Talks (2013–present)

- *AustMS special sessions “Geometric Analysis” and “Topology”* December 2017
Macquarie University, Sydney, NSW, Australia
- *China-Australia Joint Conference on Partial Differential Equations* May 2017
Mission Beach Resort, Mission Beach, QLD, Australia
- *International Conference on PDEs, Geometric Analysis and Functional Inequalities* March 2017
University of Sydney, NSW, Australia
- *AustMS special sessions “Geometric Analysis” and “Partial Differential Equations”* December 2016
Australian National University, Canberra, ACT, Australia
- *EGEO2016: VI Workshop on Differential Geometry* August 2016
Gran Hotel del Lago, La Falda, Sierras de Córdoba, Argentina
- *Trilateral Meeting on PDE and Applications* December 2015
University of Parma, Italy
- *AustMS special session “Geometry and Topology”* September 2015
Flinders University, Adelaide, SA, Australia
- *AMSI/AustMS workshop “Geometry and Analysis”* September 2015
Flinders University, Adelaide, SA, Australia
- *Workshop “Geometric Flows: Recent Developments and Applications”* April 2015
Banff International Research Station, AB, Canada
- *Mini-workshop “Nonlinear PDE and its Geometric Applications”* February 2015
Australian National University, Canberra, ACT, Australia
- *AMSI Workshop “Differential Geometry, Complex Analysis and Lie Theory”* December 2014
La Trobe University, Melbourne, VIC, Australia
- *AMSI Workshop “Complex Analysis and Differential Geometry”* December 2013
University of New England, Armidale, NSW, Australia
- *AustMS special session “Geometric Analysis”* October 2013
University of Sydney, NSW, Australia
- *Workshop “Geometric Perspectives in Mathematical Quantum Field Theory”* April 2013
American Institute of Mathematics, Palo Alto, CA, USA

Selected Seminar and Colloquium Talks (2013–present)

- University of Tübingen Geometric Analysis, Differential Geometry and Relativity Seminar* January 2018
- University of Patras Pure Mathematics Seminar* January 2018
- University of Cyprus Mathematics and Statistics Seminar* January 2018
- Kyiv Functional Analysis Seminar at the Ukrainian Institute of Mathematics* January 2018
- University of Avignon Dynamical Systems, Analysis and Geometry Seminar* January 2018
- Sydney University Geometry and Topology Seminar* August 2017
- Cornell University Oliver Club (Mathematics Colloquium)* April 2017
- University of Maryland Informal Geometric Analysis Seminar* April 2017
- University of Connecticut Analysis and Probability Seminar* April 2017
- University of Pennsylvania Geometry–Topology Seminar* April 2017
- Virginia Tech Applied Analysis Seminar* April 2017
- La Trobe University Mathematics Colloquium* November 2016
- The University of Melbourne School of Mathematics and Statistics Seminar* November 2016
- University of Auckland Geometry and Analysis Working Group Seminar* August 2016

<i>Taras Shevchenko National University of Kyiv Algebra Seminar</i>	November 2015
<i>Joseph Fourier University Spectral Theory and Geometry Seminar</i>	October 2015
<i>University of Luxembourg General Mathematics Seminar</i>	October 2015
<i>Cornell University Analysis Seminar</i>	November 2014
<i>Syracuse University Analysis Seminar</i>	November 2014
<i>Brown University Analysis Seminar</i>	November 2014
<i>University of Maryland Geometry-Topology Seminar</i>	November 2014
<i>University of Adelaide Mathematics Colloquium</i>	August 2014
<i>Flinders Mathematical Sciences Laboratory Seminar</i>	August 2014
<i>Monash University Pure Mathematics Seminar</i>	May 2014
<i>La Trobe University Mathematics Colloquium</i>	May 2014
<i>Nanyang Technological University Mathematics Colloquium</i>	May 2014
<i>Taras Shevchenko National University of Kyiv Algebra Seminar</i>	April 2014
<i>Australian National University Analysis and PDE Seminar</i>	April 2013
<i>Stanford University Geometry Seminar</i>	April 2013
<i>Caltech/UCLA Joint Analysis Seminar</i>	April 2013
<i>University of California Irvine Geometry Seminar</i>	April 2013

PhD and MPhil Student Supervision

Timothy Buttsworth (PhD, principal supervisor)	2016–present
Nirav Shah (PhD, associate supervisor)	2013–present
Godfrey Smith (PhD, principal supervisor)	2013–2016

Master's and Honours Student Supervision

Mitchell Griggs (MSc)	2013
Michael Neighbour (Honours)	2017–present
Zi Ou Wang (Honours)	2017
Marielle Ong (Honours)	2016
Timothy Buttsworth (Honours)	2015–2016
Stephen Lynch (Honours, associate supervisor)	2014
Benjamin Babao (Honours)	2013–2014

Service

- Referee for numerous journals including *Calculus of Variations and Partial Differential Equations*, *Communications in Analysis and Geometry*, *Journal of Differential Equations*, *Journal of Functional Analysis*, *Journal of Geometry and Physics*, *Pacific Journal of Mathematics*, *Proceedings of the American Mathematical Society*, *Stochastic Processes and their Applications* and *Transactions of the American Mathematical Society*
- Member of the University of Queensland Academic Board (2017–present)
- Teaching and research staff representative on the School of Mathematics and Physics Research Committee at the University of Queensland (2014–present)
- Organizer of the PhD Student Job Search Panel Events at the University of Queensland (2014–2016)
- Organizer of the *AMSI/AustMS Conference on Geometric Analysis and Probabilistic Methods in Geometry* held at the University of Queensland in July 2014 (joint with Thierry Coulhon, Huy Nguyen, Glen Wheeler and Valentina-Mira Wheeler)
- Organizer of the University of Queensland Mathematics Colloquium (joint with one colleague, 2013–2016)
- Organizer of the Calderón-Zygmund Analysis Seminar at the University of Chicago (2010–2011)