

# Paul Mezo

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## EDUCATION

- Ph.D.** MATHEMATICS, UNIVERSITY OF TORONTO  
1993 – 1998  
Advisor: James Arthur  
Thesis: *A global comparison for general linear groups and their metaplectic coverings.*
- MATHEMATICS, TÜBINGEN UNIVERSITY, GERMANY  
1993 – 1994  
Ontario-Baden-Württemberg exchange student
- M.Sc.** MATHEMATICS, UNIVERSITY OF TORONTO  
1992 – 1993
- MATHEMATICS, TÜBINGEN UNIVERSITY, GERMANY  
1991 – 1992  
DAAD (German Academic Exchange Service) exchange student
- B.Sc.** MATHEMATICS, UNIVERSITY OF TORONTO  
1987 – 1991

## ACADEMIC EMPLOYMENT

- |   |   |
|---|---|
| <b>Professor</b><br>Carleton University                                 | <b>2019 –</b><br>School of Mathematics and Statistics                               |
| <b>Associate Professor</b><br>Carleton University                       | <b>2007 – 2019</b><br>School of Mathematics and Statistics                          |
| <b>Assistant Professor</b><br>Carleton University                       | <b>2003 – 2007</b><br>School of Mathematics and Statistics                          |
| <b>Postdoctoral fellow</b><br>Toronto                                   | <b>2002 – 2003</b><br>The Fields Institute for Research in<br>Mathematical Sciences |
| <b>Postdoctoral fellow</b><br>University of Toronto                     | <b>2001 – 2002, 1998 – 1999</b><br>Department of Mathematics                        |
| <b>Instructor</b><br>University of Toronto, Erindale Campus             | <b>2002</b><br>Department of Mathematics  |
| <b>Postdoctoral fellow</b><br>The Weizmann Institute of Science, Israel | <b>2000 – 2001</b><br>Department of Mathematics and Computer<br>Science             |
| <b>Research fellow</b><br>Bonn, Germany                                 | <b>1999-2000</b><br>The Max-Planck Institute for Mathematics                        |
| <b>Instructor and Teaching Assistant</b><br>University of Toronto       | <b>1993 – 1998</b><br>Department of Mathematics                                     |

## REFEREED PUBLICATIONS

1. A. Christie and P. Mezo, “Twisted endoscopy from a sheaf-theoretic perspective”, *Proceedings of the Simons Symposium on Geometric Aspects of the Trace Formula*, Vol **2**, 2018, pp. 121–161.
2. P. Mezo, “Tempered spectral transfer in the twisted endoscopy of real groups”, *Journal of the Institute of Mathematics of Jussieu*, Vol **3**, 2016, pp. 569–612.
3. P. Mezo, “Character identities in the twisted endoscopy of real reductive groups”, *Memoirs of the American Mathematical Society* Vol **222**, 2013, pp. 1–94.
4. P. Mezo, “Notes on the local Langlands program”, in *Ottawa lectures on admissible representations of reductive  $p$ -adic groups*, Fields Institute Monographs, Vol **26**, 2009, pp. 153–183.
5. P. Delorme and P. Mezo, “A twisted invariant Paley-Wiener theorem for real reductive groups”, *Duke Mathematical Journal*, Vol **144**, 2008, pp. 341–380.
6. P. Mezo, “Automorphism-invariant representations of real reductive groups,” *American Journal of Mathematics*, Vol **129**, 2007, pp. 1063–1085.
7. P. Mezo, “Metaplectic tensor products for irreducible representations,” *Pacific Journal of Mathematics*, Vol **215**, 2004, pp. 85–96.
8. P. Mezo, “Twisted trace Paley-Wiener theorems for special and general linear groups,” *Compositio Mathematica*, Vol **140**, 2004, pp. 205–227.
9. P. Mezo, “New identities of differential operators from orbital integrals on  $GL(r, C)$ ,” *Proceedings of the American Mathematical Society*, Vol **130**, 2002, pp. 3101–3110.
10. P. Mezo, “Comparisons of general linear groups and their metaplectic coverings. I,” *Canadian Journal of Mathematics*, Vol **54**, 2002, pp. 92–137.
11. P. Mezo, “Comparisons of general linear groups and their metaplectic coverings. II,” *Representation Theory*, Vol **5**, 2001, pp. 524–580.
12. P. Mezo, “Matching of weighted orbital integrals for metaplectic correspondences,” *Canadian Mathematical Bulletin*, Vol **44**, 2001, pp. 482–490.

#### **NON-REFEREED PUBLICATIONS**

13. A. Bourgeois and P. Mezo, “Functoriality for supercuspidal L-packets”, <https://arxiv.org/abs/2109.09552>, 2021
14. P. Mezo, “Some global correspondences for general linear groups and their metaplectic coverings,” *Max-Planck-Institut Preprint Series*, Vol **55**, 2000, 119 pages.
15. T. Graser and P. Mezo, “Operator multipliers, strongly continuous semigroups and abstract extrapolations spaces,” *Tübinger Berichte zur Funktionalanalysis*, Vol 3, 1993-1994, pp. 63–86.

#### **ARTICLES UNDER PREPARATION**

16. J. Adams, N. Arancibia Robert, P. Mezo, “Equivalent definitions of Arthur packets for real classical groups”, Submitted to *Memoirs of the American Mathematical Society*.
17. N. Arancibia Robert, P. Mezo, “Equivalent definitions of Arthur packets for real quasisplit unitary groups”

## AWARDS, FELLOWSHIPS and GRANTS

NSERC Discovery Grant (\$ 80 000)	2017-
NSERC Discovery Grant (\$100 000)	2011–2016
NSERC Discovery Grant (\$65 000)	2004–2010
Carleton University Start-up Award	2003
Post-doctoral Fellowship at the Fields Institute	2002–2003
Post-doctoral Fellowship at the University of Toronto	2001–2002
Fellowship at the Weizmann Institute of Science.	2000–2001
Fellowship at the Max-Planck-Institut für Mathematik Bonn.	1999–2000
Post-doctoral Fellowship at the University of Toronto.	1998–1999
Ontario Graduate Scholarship.	1995–1998
University of Toronto Open Scholarship.	1994–1995
Ontario Graduate Scholarship.	1993–1994
University of Toronto Open Scholarship.	1992–1993
DAAD (German Academic Exchange Service) Award.	1991–1992
NSERC Undergraduate Summer Research Awards	1989, 1991

## INVITED LECTURES

<i>Equivalent definitions of Arthur-packets for real quasisplit unitary groups.</i>	Basic functions, orbital integrals and beyond endoscopy. Banff International Research Station.	2021
<i>Equivalent definitions of Arthur-packets for real classical groups.</i>	Lie groups and representation theory seminar, University of Maryland.	2019
<i>Equivalent definitions of Arthur-packets for real classical groups.</i>	On the Langlands Program: Endoscopy and Beyond, Institute for Mathematical Sciences, Singapore	2019
<i>Arthur packets from harmonic analysis and sheaf theory.</i>	Harmonic analysis and the Trace Formula , Mathematisches Forschungsinstitut, Oberwolfach, Germany.	2017
<i>Equivalent definitions of Arthur packets for real classical groups.</i>	Automorphic Seminar Jussieu, Paris, France.	2017
<i>Twisted endoscopy from the sheaf-theoretic perspective.</i>	Geometric aspects of the trace formula, Simons Foundation, Germany.	2016
<i>A method for computing A-packets for real groups.</i>	Canadian Mathematical Society Winter Meeting, Montreal.	2015
<i>A method for computing Arthur packets at archimedean places.</i>	University of British Columbia, Vancouver.	2015
<i>Twisted endoscopy from the sheaf-theoretic perspective.</i>	Fields Institute Workshop on Representation Theory and Analysis on Lie Groups over Local Fields, Ottawa.	2015

<i>Twisted endoscopy from the sheaf-theoretic perspective.</i>	University of Maryland.	2015
<i>Twisted endoscopy in the framework of Adams-Barbasch-Vogan.</i>	Canadian Mathematical Society Winter Meeting, Hamilton.	2014
<i>Three perspectives on endoscopy.</i>	Canadian Mathematical Society Winter Meeting, Ottawa.	2013
<i>Twisted spectral transfer for real groups.</i>	Pacific Rim Mathematical Association, Shanghai, China	2013
<i>Spectral transfer in twisted endoscopy.</i>	McMaster University	2013
<i>Character identities in real twisted endoscopy.</i>	University of British Columbia	2011
<i>Character identities in twisted endoscopy.</i>	American Mathematical Society Fall Meeting, Cornell University	2011
<i>Character identities in real twisted endoscopy.</i>	Banff International Research Station	2011
<i>Character identities in twisted endoscopy .</i>	Canadian Mathematical Society Winter Meeting, Vancouver.	2010
<i>Twisted endoscopic character identities.</i>	Institut de Mathématiques de Luminy, Marseille, France.	2009
<i>Twisted endoscopic character identities.</i>	Canadian Mathematical Society Summer Meeting, Montreal.	2008
<i>A twisted Paley-Wiener theorem and Arthur's trace formula.</i>	University of British Columbia, Vancouver.	2007
<i>A twisted Paley-Wiener theorem and the Arthur-Selberg trace formula.</i>	Centre International des Rencontres Mathématiques, Marseille, France.	2007
<i>Twisted trace Paley-Wiener theorems.</i>	Canadian Mathematical Society Summer Meeting, Calgary.	2006
<i>Automorphism-invariant representations of real reductive groups.</i>	Canadian Mathematical Society Summer Meeting, Waterloo.	2005

<i>The local Langlands correspondence.</i>	Fields Institute Workshop on the Representation Theory of p-adic Groups, University of Ottawa.	2004
<i>Modular forms and metaplectic groups.</i>	McMaster University.	2002
<i>Number theory and automorphic representations.</i>	University of Guelph.	2002
<i>Metaplectic correspondences for <math>GL(r)</math>.</i>	Ben Gurion University, Israel.	2000
<i>Metaplectic correspondences for <math>GL(r)</math>.</i>	Weizmann Institute of Science, Israel	2000
<i>Metaplectic correspondences for <math>GL(r)</math>.</i>	Humboldt Universität Berlin.	2000
<i>From Shimura correspondences to metaplectic correspondences.</i>	Max-Planck Institute, Bonn.	1999