

Daniel J. Woodhouse

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- RESEARCH POSITIONS** *2016 - Technion - Israel Institute of Technology*
Postdoctoral Fellow. Mentor: Michah Sageev
- EDUCATION** *Jan - May 2016 Technion - Israel Institute of Technology*
Visiting researcher. Host: Michah Sageev
- 2012 - 2016 McGill University*
PhD in Mathematics, Supervisor: Daniel T. Wise
- 2008 - 2012 University of Warwick*
MMath (1st), Master's thesis: *The Serre-Leray Spectral Sequence*
Thesis Supervisor: Marco Schlichting
- INTERESTS** Geometric group theory, CAT(0) cube complexes, low dimensional topology.
- PUBLICATIONS** **Quasi-isometric groups with no common model geometry**, with E Stark, 18 pages, accepted into J. Lond. Math. Soc.
- The geometry of one-relator groups satisfying a polynomial isoperimetric inequality**, with Giles Gardam, Proc. Amer. Math. Soc. 147 (2019), no. 1, Pages 125–129
- Classifying virtually special tubular groups**, 22 pages, Groups Geom. Dyn. 12 (2018), no. 2, 679–702.
- A generalized axis theorem for cube complexes**, Algebr. Geom. Topol. 17 (2017), no. 5, 2737–2751.
- The amenability of some graphs of groups with cyclic edge groups**, with M. Carette, and D.T. Wise, Math. Proc. Cambridge Philos. Soc. 163 (2017), no. 1, 145–159.
- A cubical flat torus theorem and the bounded packing property**, with D.T. Wise, Israel J. Math. 217 (2017), no. 1, 263–281.
- Classifying finite dimensional cubulations of tubular groups**, Michigan Math. J. 65 (2016), no. 3, 511–532.
- PREPRINTS** **Revisiting Leighton's theorem with the Haar measure**, 9 pages, submitted (arxiv: 1806.08196)
- Residually finite tubular groups**, with N Hoda and D Wise, 15 pages
- One-ended hyperbolic groups that are not weakly coHopfian**, with Emily Stark

AWARDS	<p>2012 - 2015</p> <p>2014 - 2015</p> <p>2015 - 2016</p> <p>2016</p>	<p>Hydro Quebec Scholarship award</p> <p>ISM Scholarship</p> <p>Schulich award - \$CA 5,000</p> <p>Alexis & Charles Pelletier Fellowship - \$CA 6,600</p>
SELECTED TALKS	<p>October 2018</p> <p>October 2018</p> <p>July 2018</p> <p>May 2018</p> <p>November 2017</p> <p>September 2017</p> <p>January 2017</p> <p>September 2016</p> <p>March 2016</p> <p>March 2016</p> <p>February 2016</p> <p>March 2015</p>	<p><i>Leighton's theorem revisited</i> - Geometry and topology seminar, Columbia University, USA</p> <p><i>Leighton's theorem revisited</i> - Geometry and topology seminar, Boston College, USA</p> <p><i>Leighton's theorem revisited</i> - Graphs, surfaces, and cube complexes, Warwick, England</p> <p><i>Geometric Rigidity of Simple Surface Amalgams</i> - Nonpositively curved groups on the mediterranean, Haifa, Israel.</p> <p><i>Determining Commensurability of Simple Surface Amalgams</i> - Geometry Seminar, ETH Zurich, Switzerland.</p> <p><i>Determining Commensurability of Simple Surface Amalgams</i> - Manifolds and Groups, University of Regensburg, Germany.</p> <p><i>Understanding Tubular Groups</i> - Non-Positive Curvature in Action, Isaac Newton Institute, Cambridge, England.</p> <p><i>Tubular groups: A history</i> - GGTT seminar, Tufts, Cambridge, USA</p> <p><i>A Cubical Flat Torus Theorem</i> - Seminaire Groupes et Analyse, Universite de Neuchâtel, Neuchâtel, Switzerland.</p> <p><i>A Cubical Flat Torus Theorem</i> - University of Cambridge, Cambridge, England.</p> <p><i>A Cubical Flat Torus Theorem</i> - Université catholique de Louvain, Louvain-la-Neuve, Belgium.</p> <p><i>Non-Separability of a 3-Manifold Group</i> - Topology Seminar, University of Wisconsin- USA.</p>
TEACHING EXPERIENCE	<p>Summer 2018</p> <p>Fall 2017</p> <p>Summer 2016</p> <p>Fall 2015</p> <p>Fall 2013</p> <p>Summer 2013</p> <p>Winter 2013</p> <p>Winter 2012</p> <p>Fall 2011</p>	<p>Technion</p> <p>Supervised summer undergrad project</p> <p>Adv Grad Course: <i>CAT(0) Cube Complexes</i></p> <p>McGill University</p> <p>Teaching assistant for <i>Calculus 2</i></p> <p>teaching assistant for <i>Calculus 2</i></p> <p>Grader for <i>Geometry and Topology 1</i></p> <p>Teaching assistant for <i>Calculus 2</i></p> <p>Teaching assistant for <i>Calculus 2</i></p> <p>University of Warwick</p> <p>Tutor for first year undergraduates</p> <p>Tutor for first year undergraduates</p>
SERVICE	<p>I have refereed for multiple journals including G&T, AGT, Topology, Israel Journal of Math, and L'Enseign Math. I also write reviews for MathSciNet.</p>	
CITIZENSHIP	<p>British</p>	

REFERENCES

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