James P. Hambleton, PhD

University of Cambridge

I. Coordinates

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II. Biographical Details

Nationalities: American; Australian
Languages: English (native); Spanish (intermediate); Italian (elementary); French (elementary)
Marital status: Married with two children, born 2013 & 2015

III. Education

Bachelor of Civil Engineering (Structural Engineering) 2002 – 2005
University of Minnesota, Minneapolis, USA
Honours: *High Distinction*, GPA: 3.91 out of 4.0

Master of Science in Civil Engineering (Geomechanics) 2005 – 2006
University of Minnesota, Minneapolis, USA
Thesis: *Modeling Test Rolling in Clay*
Adviser: Prof. Andrew Drescher, GPA: 4.0 out of 4.0

Doctor of Philosophy in Civil Engineering (Geomechanics) 2007 – 2010
University of Minnesota, Minneapolis, USA
Thesis: *Plastic Analysis of Processes Involving Material-Object Interaction*
Adviser: Prof. Andrew Drescher, GPA: 4.0 out of 4.0

IV. Professional History

Educator & Technician	4H Center for Youth Development, Univ. Minn.	2002 – 2005
Undergrad. Research Assistant	University of Minnesota	2003 – 2005
Engineering & Design Intern	Barr Engineering Co., Minneapolis	2005
Graduate Research Assistant	University of Minnesota	2005 – 2010
Teaching Assistant	University of Minnesota	2006 – 2009
Post-doctoral Research Associate	University of Newcastle, Australia	2010 – 2011
Casual Academic	University of Newcastle, Australia	2011
Senior Lecturer	University of Newcastle, Australia	2011 – 2016
Conjoint (Honorary) Senior Lecturer	University of Newcastle, Australia	2016 – 2024
Assistant Professor	Northwestern University	2016 – 2023
Louis Berger Junior Professor	Northwestern University	2020 – 2023
Adjunct Professor	Northwestern University	2023 – 2024
Associate Professor	Dept. Engineering, University of Cambridge	2023 – present
Fellow and College Lecturer	Gonville and Caius College, Univ. Cambridge	2023 – present

V. Honours and Awards

Research Awards

Neville G. W. Cook Award for Innovative Research in Geomechanics, Univ. Minn. 2010
International Research Fellowship, US National Science Foundation (offered; not accepted) 2010
Excellent Paper Award, Int. Assoc. for Comp. Methods & Advances in Geomechanics 2014

Discovery Early Career Researcher Award, Australian Research Council 2016
Best Paper Award, 6th Int. Young Geotechnical Engineers' Conference, Seoul, Korea 2017
Arthur Casagrande Professional Development Award, American Society of Civil Engineers 2019
Faculty Early Career Development Program (CAREER) Award, US National Science Foundation 2019
Bright Spark Lecture, Int. Soc. Soil Mechanics & Geotech. Eng., IS-Cambridge, Univ. Cambridge 2022
Presidential Early Career Award for Scientists and Engineers (PECASE), US President Biden 2025

Teaching Awards

Nominee, Newcastle University Postgraduate Students Association Supervisor of the Year 2013
Searle Fellow, Searle Center for Advancing Learning & Teaching, Northwestern U. 2017
Associated Student Government (ASG) Faculty and Administrator Honor Roll, Northwestern U. 2018
Alumnae of Northwestern University Award for Curriculum Development, Northwestern U. 2019

Honours

Simon & Claire Benson Award for Outstanding Undergraduate Achievement, Univ. Minn. 2005
New Faces of Civil Engineering Honoree, American Society of Civil Engineers 2014
Invited Participant, Global Young Scientists Summit, Singapore 2016
U.S. National Society Delegate, 6th Int. Young Geotechnical Engineers' Conference, Seoul, Korea 2017

VI. Other Appointments and Affiliations

Professional Memberships

American Society of Civil Engineers 2003 – present
Minnesota Geotechnical Society 2006 – 2010
Australian Geomechanics Society 2010 – 2017
International Association of Computational Mechanics 2013 – 2020
International Society for Terrain-Vehicle Systems 2016 – present
American Rock Mechanics Association 2017 – 2019
Deep Foundations Institute 2018 – 2023

Peer Review Activities

Reviewer for numerous international journals: 2010 – present

Computers and Geotechnics, Canadian Geotechnical Journal, Géotechnique, Géotechnique Letters, Proceedings of the Royal Society A, Journal of Geotechnical and Geoenvironmental Engineering, International Journal for Numerical and Analytical Methods in Geomechanics, Journal of Engineering Mechanics, Journal of Terramechanics, Granular Matter, Computational Mechanics, Finite Elements in Analysis and Design, Engineering and Computational Mechanics, Soils and Foundations, International Journal of Physical Modelling in Geotechnics, Journal of Testing and Evaluation, International Journal of Rock Mechanics and Mining Sciences, Rock Mechanics and Rock Engineering, International Journal of Geomechanics, Journal of Applied Mechanics, …

Reviewer for various funding agencies: 2011 – present

Australian Research Council, US National Science Foundation, UK Research and Innovation, Institut de recherche Robert-Sauvé en santé et en sécurité du travail (IRSST), Leverhulme Trust, …

Editorships

Co-editor, Annual Report, ARC Centre of Excellence for Geotech. Science & Engineering 2011 – 2015
Lead Editor, "CGSE special issue" of *Australian Geomechanics* (December 2014) 2014
Editorial Board Member, *Computers and Geotechnics* 2015 – 2022
Editorial Board Member, *Canadian Geotechnical Journal* 2016 – present
Lead Editor, Geo-Congress 2020, Minneapolis, Minnesota 2020