

# James P. Hambleton, Ph.D.

Department of Engineering  
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	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, 6 <sup>th</sup> 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, 6 <sup>th</sup> 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
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*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
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Australian Research Council, US National Science Foundation, ...

### Editorships

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