

Oliver Dorn

Lecturer of Applied Mathematics
School of Mathematics, University of Manchester
Oxford Rd Manchester M13 9PL
Alan Turing Building Room 1.110
E-mail oliver.dorn@manchester.ac.uk
Phone +44 161 306 3217
Fax +44 161 306 3669

Research Interests

Applied mathematics, scientific computing, specializing in Imaging, Inverse Problems and Tomography.

Education

1997 Doctorate in Applied Mathematics *

1993 'German Diplom' in Mathematics and taught MSc equivalent in Physics*

* at the Westfälische Wilhelms-Universität, Münster, Germany.

Employment (previous)

- 9/2008-8/2013 RCUK fellow and Lecturer in Applied Mathematics, University of Manchester, UK.
- 1/2008-9/2013 Profesor Titular Universidad Carlos III de Madrid, Madrid, Spain.
- 4/2011 – 7/2011 (1 Semester): Visiting Professor (W3- Full Professor) at the Universität Bremen, Germany (awarded the 'University of Excellence' status in Germany).
- 9/2007-1/2008: Profesor Visitante, Universidad Carlos III de Madrid, Madrid, Spain (equivalent to 'Visiting Professor').
- 9/2002-8/2007: Ramón y Cajal Investigator ('Fellow and Assistant Professor', similar to RCUK academic fellow in the UK system), Departamento de Matemáticas, Universidad Carlos III de Madrid, Madrid, Spain.
- 9/2000-8/2002: Lecturer and Research Associate, Department of Computer Science, University of British Columbia, Vancouver, Canada.
- 9/1999-8/2000: Visiting Scientist, Engineering Research Center for Subsurface Sensing and Imaging Systems, Northeastern University, Boston, MA, USA.
- 6/1997-8/1999: Research Associate, Mathematics Department, Stanford University, Stanford, CA, USA.

Other professional qualifications and awards:

- Since 2012: Fellow of the British Higher Education Academy.
- 2008-2013: RCUK academic fellowship, University of Manchester, UK.
- 2007: offered an ANR Chaire d'Excellence, France.
- 2007 National Spanish Habilitation in Applied Mathematics.
- 2006: *Acreditación* de la Agencia de Calidad, *Acreditación y Prospectiva* de las Universidades de Madrid (ACAP).
- 2006: Award of the *Programa I3* by the Agencia Nacional de Evaluación y Prospectiva (ANEP) of Spain.

Some current administrative duties at the University of Manchester:

- Admissions Director for *MSc Applied Mathematics*
- *Erasmus Coordinator* for the School of Mathematics
- Programme Director for the 4 years BSc Joint Honours Degree programme *Mathematics with a Modern Language*
- Nominated *Faculty Disciplinary Committee* Panel member.

Journals and Conferences:

- *International Advisory Board member* of the international journal 'Inverse Problems' (since 1/2008) (<http://www.iop.org/EJ/journal/IP>).
- More than 150 oral or poster presentations during 1999-2014, most of them in response to invitations.
- More than 50 research papers published in peer-reviewed journals of international prestige in Applied Mathematics (such as SIAM, Inverse Problems, etc) or presented orally at international Engineering conferences (such as EAGE, SEG, PIERS, OSA, etc).

Doctorate (PhD) Students: I successfully supervised two Doctorate Students at Universidad Carlos III de Madrid, and I am currently supervising four PhD students at The University of Manchester.

Professional memberships:

- Society of Industrial and Applied Mathematics (SIAM) (since 2006)
- European Association of Geosciences and Engineers (EAGE) (since 2006)
- Institute of Electrical and Electronics Engineers (IEEE) (since 2007)

Some recent grants:

- (2015) Foreign Guest Researcher Visiting Scientist (two weeks) at Supelec-Centrale, Gif-sur-Yvette, Paris, funded by DIGITEO France.
- (2012) Shell Projects and Technology funded project on 'Level Set Methods for Seismic Imaging' (Teaching buyout for one semester and funded research stay at Shell research lab in Rijswijk, The Netherlands.) (PI: Oliver Dorn)
- (2012/2013) Co-PI on the Building Global Engagements Grant "Manchester Image Reconstruction and ANalysis (MIRAN): enhancing international interdisciplinary collaboration to address major challenges"
- (2011/2012) Team member in the joint MATH/EEE Teaching Excellence and Student Support (TESS) grant "MathExplorer: Transforming student learning of mathematical concepts in Year 2 EEE" at the University of Manchester (PI: Martin Brown)
- (2011/2012) EPSRC strategic funding competition, grant on the topic 'Multidisciplinary Inverse Problems', funded (PI: Bill Lionheart, CoPI: Oliver Dorn)
- (2011) Royal Society Travel Grant 7th international workshop on Data Analysis in Astronomy. Science: Image in Action. DAA2011 (Principal Investigator: Oliver Dorn)