

Curriculum Vitae

Dr Björn Stinner
Associate Professor – Reader

Mathematics Institute
University of Warwick
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Coventry, CV4 7AL
United Kingdom

Academic Appointments

since 09/2023	Associate Professor – Reader Mathematics Institute, University of Warwick
09/2013 – 08/2023	Associate Professor Mathematics Institute, University of Warwick
09/2010 – 08/2013	Assistant Professor Mathematics Institute, University of Warwick
11/2008 – 08/2010	Research Fellow Mathematics Institute, University of Warwick
09/2007 – 10/2008	Postdoctoral Researcher Mathematics Institute, University of Warwick
11/2006 – 08/2007	Postdoctoral Researcher Department of Mathematics, University of Sussex

Qualifications

06/2013	Postgraduate Certificate in Academic and Professional Practice Project: <i>Preparing PhD students for research collaboration: MASDOC CDT's research study groups</i>
12/2005	Doctor of Science , University of Regensburg Thesis: <i>Derivation and Analysis of a Phase Field Model for Alloy Solidification</i> Supervisor: Harald Garcke (Regensburg) Referee: Christof Eck (Stuttgart).

Publications

More than 30 publications in peer reviewed journals comprising:
SIAM J. Numer. Analysis, Numer. Math., IMA J. Numer. Analysis,
Math. Mod. Meth. Appl. Sc., J. Comp. Phys., Interf. Free Bound.,
SIAM J. Math. Analysis, J. Math. Biol., Phys. Rev. E, SIAM J. Appl. Math.

[Orcid profile](#)

Grants and Awards

- *Kidney Research UK: The Lady Judith Solomon Award*, (Co-I, PhD project)
- *Warwick Impact Fund: A Computational Framework for Cell Motility*, (Co-I, post-doc)
- *DFG Forschungsstipendium: Phasenfeldmodellierung von Zweiphasenströmungen mit oberflächenaktiven Substanzen*, (own position and travel grant)
- *Siemens VDO Excellence Award* for the doctoral thesis

Supervision

- Main supervisor of five PhD students.
- Second supervisor of ten PhD students.
- Ten MSc Students
- Nine 4th year Research Projects
- Six Undergraduate Research Projects

Lecture Courses and Other Teaching

Methods of Mathematical Modelling, Introduction to Partial Differential Equations, Numerical Analysis and Partial Differential Equations, Finite Element Methods, Advanced Topics in Partial Differential Equations, Scientific Computing - High Performance Computing, Matrix Analysis and Algorithms
Transferable Skills training and coordination (including *Research Study Groups*)
Undergraduate tutorials

Refereeing

- Peer-review of research grants for EPSRC, DFG (German Research Foundation), Research Grants Council (RGC) of Hong Kong, NOW (Dutch Research Council)
- Standard peer-review for journals including *Comput. Meth. Appl. Mech. Engrg.*, *Discrete Contin. Dyn. Syst.*, *IMA J. Appl. Math.*, *IMA J. Numer. Analysis*, *Interfaces Free Bound.*, *J. Comput. Phys.*, *Math. Mod. Meth. Appl. Sc.*, *Numer. Math.*, *Numer. Meth. PDEs*, *SIAM J. Numer. Analysis*, *SIAM J. Sci. Comput.*
- External PhD examiner for three students

Presentations and Activities

[Homepage](#)

Administration and Management

- *Deputy Director of Graduate Studies*: until 2025, lead on Training, Progression, Tutoring, Induction, Student experience
- *Mathematical Interdisciplinary Research at Warwick (MIR@W)* days coordination until 2025
- *Steering committee* of the MASDOC Centre of Doctoral Training, until 2019.