CURRICULUM VITAE

PERSONAL INFORMATION

Name   Abeer Alnahdi
DOB   April 14th, 1983
Marital Status   Married
Nationality   Saudi
Address   Al-Imam Muhammad Ibn Saud Islamic University, P.O.
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STUDIES

2015   PhD in Applied Mathematics. Department of Applied Mathematics,
        of Mathematics, University of Leeds. Specialization: «Differential
        Equations & Nonlinear Dynamical Systems».
        Thesis: « Oscillons: localized patterns in a periodically forced system
        » *Supervisor*s: prof. *Alastair Rucklidge & Dr. Jitse
        Nissen.* (2011-2015)
2010   MSc in Mathematics. Department of Applied Mathematics, School
        of Mathematics, University of Leeds. Specialization: «Differential
        Equations & Dynamical Systems» (2010).
        Master Thesis: « Coupled 3rd-Order ODEs and Maps: Chaotic
        Synchronization » *Supervisors*: prof. *Alastair Rucklidge & Dr.*
        Thomas Wagenknecht.
2006   BSc Department of Mathematics (9-semesters programme) School
        of Sciences , King Abdul Aziz University (2006).

CONFERENCE PARTICIPATION

- Magic Postgraduate Conference Leeds, University of Leeds, the United Kingdom, 2009.

- Patterns Nonlinear Dynamics and Applications (PANDA), University of Bath, UK, 2011 & 2012, and at University of Leeds in 2012, UK.

- Leeds Applied Nonlinear Dynamics LAND seminar, University of Leeds, UK, 2012. **Talk title:** Localized Patterns in Periodically Forced Systems.

- British Applied Mathematics Colloquium (BAMC) conference, Leeds, UK, 2013

- Patterns Nonlinear Dynamics and Applications (PANDA), University of Nottingham, UK, 2013. **Talk title:** Oscillons in a PDE with parametric forcing.

- SIAM Conference on Applications of Dynamical Systems (DS13), Snowbird Ski and Summer Resort, Snowbird, Utah, USA, 2013. **Talk title:** Localized Patterns in Periodically Forced Systems in 1D and 2D.

- SIAM Conference on *Nonlinear Waves and Coherent Structures* , University of Cambridge, UK, 2014. **Talk title:** Oscillons in a Parametrically Forced PDE.

RESEARCH INTERESTS

- Nonlinear Dynamical Systems (Pattern formations and localized oscillations).
- Fluid Dynamics (Hydrodynamic Stability).

Work Experience

Tutorials & marking for the following courses-University of Leeds, UK.

- Introduction to Applied Mathematics 1, (acad. yr: 2013-2014).

Non- teaching experience: Volunteer with Save the Children organization, Belfast, Northern Ireland, UK (2008-2009).

LANGUAGES

Arabic
English
French– Elementary French (Level 1), the Metropolitan University, Leeds.

COMPUTER EXPERIENCE

Mathematical Programs/Text Editors: Matlab (all versions), Maple (all versions), Fortran, Continuation AUTO, and LaTeX.

Workshops

- Supporting Postgraduates who teach Mathematics & Statistics.
- Introduction to UNIX/LINUX for Scientific Researchers.
  Working with literature, Search and Save information, and Giving Effective seminars and conferences.
  (I have attended different workshops to improve my teaching and research skills).
- Best Practices in Coaching and Mentoring, Academic Leadership Centre.

Membership

- SIAM Applied Mathematics, Dynamical Systems, Nonlinear waves and Coherent Structures.
- PhD Women in Mathematics. (Co-founder during my study at the University of Leeds, 2014-2015).

ARTICLES

- A S Alnahdi, J Niesen, A M Rucklidge, and T Wagenknecht, *Localized Patterns in Periodically Forced Systems*, (2013).