

Contact Information	<p>School of Mathematics University of Leeds, LS2 9JT, UK <i>Email:</i> P.Subramanian@leeds.ac.uk <i>Homepage:</i> www.priyasubramanian.com</p>	<p><i>Mobile:</i> +44-74800-20221 <i>ORCID:</i> 0000-0001-7971-2091</p>
Research Experience	<p>Mathematical Institute, University of Oxford, UK Hooke Research fellow</p> <p>School of Mathematics, University of Leeds, UK Visiting Research fellow Research fellow</p> <p>MPI for Dynamics & Self-organization, Göttingen, Germany Postdoctoral researcher</p>	<p><i>from August 2019</i></p> <p><i>from August 2019</i> <i>June 2015 - July 2019</i></p> <p><i>September 2012 - March 2015</i></p>
Funding & Competitive Fellowships	<p>2019 - Hooke Research Fellowship for 36 months independent research. 2017 - L'Oréal-UNESCO For Women In Science UK Fellowship as PI (£15k). 2015 - Academic Development Fellowship for teaching at School of Mathematics, University of Leeds with funding to extend term as Research Fellow for one year. 2009 - Amelia Earhart Fellowship for women pursuing Ph. D. in Aerospace related sciences & engineering, from Zonta International (\$10k).</p>	
Education	<p>Indian Institute of Technology Madras, Chennai, India Ph. D., Aerospace Engineering</p> <p>Hindustan College of Engineering, Madras University, Chennai, India B. E., Aeronautical Engineering</p>	<p>2012</p> <p>2004</p>
Publication Summary	<p>To date I have published 12 papers including 3 papers in Journal of Fluid Mechanics and 2 Physical Review Letters and as on 30th August 2019, I have 258 citations with an h-index: 7 and an i10-index: 6 (source Google scholar). Please see the attached full list of publications. My top three publications are</p> <p>Ratliff, D., Archer, A. J., Subramanian, P. & Rucklidge, A. M., Which wavenumbers are required for thermodynamically stable soft matter quasicrystals?, <i>accepted for publication with Physical Review Letters</i>. 2019.</p> <p>Subramanian, P., Archer, A. J., Knobloch, E. & Rucklidge, A. M., Spatially Localized Quasicrystalline Structures, <i>New Journal of Physics</i>. 20: 122002. 2018.</p> <p>Subramanian, P., Archer, A. J., Knobloch, E. & Rucklidge, A. M., Three-dimensional Phase Field Quasicrystals, <i>Physical Review Letters</i>. 117: 075501. 2016.</p>	
Engagement and Outreach (since 2015)	<p>Academic:</p> <p>Invited seminar talks - Uni. Manchester, Imperial College, Uni. Essex, Open University, Northumbria University, Uni. Sheffield (Appl. Maths), Uni. Edinburgh, Newcastle University, Uni. Sheffield (Materials), Uni. Münster, Uni. Nottingham, ESPCI-PMMH, Paris, Uni. Leeds</p> <p>Invited talks at conferences - Dynamics Days, Uni. Loughborough & 14th International Conference on Quasicrystals (ICQ14)</p> <p>Research visits -University of Wisconsin, Eau-Claire (4 days), University of Loughborough (3 weeks over multiple visits), University of California Berkeley (5 weeks over two visits) & Ecole Polytechnique Fédérale de Lausanne (3 weeks in one visit).</p> <p>Public:</p> <p>Writing - articles for The Conversation UK (104,294 reads till 24th April 2018) and the IMA Mathematics Today.</p> <p>Invited Talks - Superposition, Leeds Cafe Scientifique, Otley Science Cafe, two lectures at the Leeds Masterclass and speaker at the British Science Festival in September 2019.</p>	

Participation - Big Draw 2016 at Royal Society London, The Royal Institution's Leeds Masterclass & profiled as part of the 'Queens of Industry' Exhibition by the Leeds Industrial Museum.

Teaching experience	<p>As part of the Academic Development Fellowship at University of Leeds, I have been teaching one 10-credit module (class size in 2017/18 is 189) in addition to one tutorial (12/13 students) for the past 3 years.</p> <p>Fluid Dynamics 1 <i>Spring 2019</i></p> <p>Modelling with Differential Equations <i>Spring 2018, 2017</i></p> <p>Elementary Integral Calculus <i>Spring 2016</i></p> <p>Advanced Nonlinear Dynamics <i>Autumn 2015</i></p> <ul style="list-style-type: none"> • Nine lectures & three workshops as paternity cover for Dr. J. A. Ward <p>Tutorials for first-year courses, University of Leeds <i>since Autumn 2015</i></p>
Mentoring experience	<p>Co-supervision of summer student fellowships with Prof. A. M. Rucklidge <i>2016 & 2018</i></p> <p>Co-supervision of a PhD student with Prof. A. M. Rucklidge <i>since 2017</i></p>
Administrative experience	<p>Co-organizer of Leeds Masterclass along with Prof. D. Lesnic</p> <p>Member of Faculty of Mathematics & Physical Sciences Athena Swan committee</p> <p>Member of Teaching Excellence Groups in the School of Mathematics</p> <p>Co-organizer of Postdoc Forum at School of Mathematics</p>
Professional services	<p><i>Funding Evaluator</i> <i>2015-2018</i></p> <p>Remote Evaluator for H2020 FET OPEN RIA</p> <p><i>Journal & Conference Reviewer</i> <i>since 2012</i></p> <p>Nonlinearity, Proceedings of the Royal Society A, IMA Journal of Applied Mathematics, Journal of Fluid Mechanics, Scientific Reports - Nature, Combustion & Flame, Intl. Journal for Spray & Combustion Dynamics, Journal of Sound & Vibration, Proceedings of the Combustion Institute, & ASME Turbo Expo</p> <p><i>Organising</i></p> <p>Workshop on “Pattern formation in fluids and soft matter” between August 6-10 2018, at the School of Mathematics, University of Leeds</p> <p><i>Organiser</i> <i>August 2018</i></p> <p>Workshop on “Quasicrystals: pattern formation and aperiodic order”, at the International Center for Mathematical Sciences, Edinburgh</p> <p><i>Co-organiser</i> <i>June 2018</i></p> <p>Minisymposium on “Aperiodic order, aperiodic tilings and quasicrystals in nonlinear pattern formation”, SIAM DS17</p> <p><i>Co-organiser</i> <i>May 2017</i></p> <p>Indo-European Workshop on “Advanced Instability Methods”, IIT Madras</p> <p><i>Co-organiser</i> <i>January 2010 & 2011</i></p> <p><i>Organiser</i> <i>January 2009</i></p>
Awards & Prizes	<p>2019 - Red Sock best poster award at SIAM Conference on Dynamical Systems.</p> <p>2018 - Shortlisted for the science category of Women of the Future Award.</p> <p>2014 - Young Scientist Award at the 10th European Fluid Mechanics Conference from European Mechanics Society.</p> <p>2004 - University First Rank in B. E., in Aerospace Engineering at the University of Madras.</p> <p>2004 - Kalpna Chawla Award for Academic Excellence in B. E., Hindustan Group of Institutions (INR20k).</p>
Professional Memberships	<p>London Mathematical Society (LMS), American Physical Society (APS), Society for Industrial and Applied Mathematics (SIAM)</p>