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CAREER HISTORY	School of Mathematics, University of Leeds, UK Research fellow <i>since 2015</i> <ul style="list-style-type: none">Working in Pattern Formation, Nonlinear Dynamics and Spatio-temporal Chaos with Prof. A. M. Rucklidge MPI for Dynamics & Self-organization, Göttingen, Germany Postdoctoral researcher <i>2012 - 2015</i> <ul style="list-style-type: none">Max-Planck Research Group “Emerging Complexity in Physical Systems” with Dr. T. M. Schneider Indian Institute of Technology Madras, Chennai, India Ph. D., Aerospace Engineering <i>July 2012</i> <ul style="list-style-type: none">Thesis Title: Dynamical systems approach to the investigation of thermoacoustic instabilities Hindustan College of Engineering, Madras University, Chennai, India B. E., Aeronautical Engineering <i>2004</i>	
AWARDS & COMPETITIVE FELLOWSHIPS	2017 - L’Oréal-UNESCO For Women In Science Fellowship (£15k). 2015 - Academic Development Fellowship for teaching at School of Mathematics, University of Leeds (£33k). 2014 - Young Scientist Award at the 10 th European Fluid Mechanics Conference from European Mechanics Society. 2009-2010 - Amelia Earhart Fellowship for women pursuing Ph. D. in Aerospace related sciences & engineering, from Zonta International (\$10k). 2004 - University First Rank in B.E. , in Aerospace Engineering under Madras University. 2004 - Kalpana Chawla Award for Academic Excellence in B.E., Hindustan Group of Institutions (INR20k).	
REFEREED JOURNAL PUBLICATIONS	P08. Subramanian, P. , Archer, A. J., Knobloch, E. & Rucklidge, A. M., Three-dimensional Phase Field Quasicrystals, <i>Physical Review Letters</i> . 117: 075501. 2016. P07. Subramanian, P. , Brausch, O., Daniels, K.E., Bodenschatz, E.B., Schneider, T.M. & Pesch, W., Spatio-temporal patterns in inclined layer convection, <i>Journal of Fluid Mechanics</i> . 794: 719-745. 2016. P06. Subramanian, P. , Blumenthal, R. S., Polifke, W. & Sujith, R. I., Distributed Time Lag Response Functions for the modelling of Combustion Dynamics, <i>Combustion Theory & Modelling</i> . 19(2) : 223-237. 2015.	

- P05. Agharkar, P., **Subramanian, P.**, Kaisare, N. S. & Sujith, R. I. Thermoacoustic instabilities in a ducted premixed flame: reduced order models & control, *Combustion Science & Technology*. 185(6) : 920-942. 2013.
- P04. Blumenthal, R. S., **Subramanian, P.**, Sujith, R. I., & Polifke, W., Novel Perspectives on the Dynamics of Premixed Flames, *Combustion & Flame*. 160: 1215-1224. 2013.
- P03. **Subramanian, P.**, Sujith, R. I. & Wahi, P. Subcritical bifurcation and bistability in thermoacoustic systems, *Journal of Fluid Mechanics*. 715: 210-238. 2013.
- P02. **Subramanian, P.** & Sujith, R.I. Non-normality & internal flame dynamics in premixed flame-acoustic interaction. *Journal of Fluid Mechanics*. 679: 315-342. 2011.
- P01. **Subramanian, P.**, Mariappan, S., Sujith, R. I. & Wahi. P. Bifurcation analysis of thermoacoustic instability in Rijke tube. *International Journal of Spray and Combustion Dynamics*. 2(4):325–356. 2010.

TEACHING
EXPERIENCE

- MATH1400-Modeling with Differential Equations, University of Leeds
Lecturer *Spring 2017*
- MATH0212-Elementary Integral Calculus, University of Leeds
Lecturer *Spring 2016*
- Advanced Nonlinear Dynamics, University of Leeds *Fall 2015*
 - Nine lectures & three workshops as paternity cover for Dr. J. A. Ward
- Tutorials for MATH1010(1025), University of Leeds *Fall 2015 & 2016*
- Acoustic Instabilities in Aerospace Propulsion, IIT Madras. *Spring 2011*
 - Graded term projects and conducted viva
 - Three hours of lecture on nonlinear stability and bifurcation analysis of thermoacoustic instability in a horizontal Rijke tube.
- Options Module, a Research Scholar initiative, IIT Madras. *Fall 2010*
 - Three lectures on Fast Fourier Transform along with a MATLAB demonstration for automated postprocessing of multiple signal data.

PROFESIONAL
SERVICES

- Funding Evaluator* *since 2015*
Remote Evaluator for H2020 FET OPEN RIA
- Journal & Conference Reviewer* *since 2012*
Scientific Reports - Nature, Proceedings of the Royal Society A, IMA Journal of Applied Mathematics, Journal of Fluid Mechanics, Journal of Sound & Vibration, Combustion & Flame, Intl. Journal for Spray & Combustion Dynamics, Proceedings of the Combustion Institute, and ASME Turbo Expo
- Organising*
Minisymposium on “**Aperiodic order, aperiodic tilings and quasicrystals in nonlinear pattern formation**”, SIAM DS17
Co-organiser *May 2017*
- Indo-European Workshop on “**Advanced Instability Methods**”, IIT Madras
Co-organiser *January 2010 & 2011*
Organiser *January 2009*