

Abhrajit Laskar

CONTACT INFORMATION	Senior Research Scholar Institute of Mathematical Sciences Homi Bhabha National Institute CIT Campus, Tharamani Chennai-600113, India	<i>Phone:</i> 91 44 2254 3119 <i>Fax:</i> 91 44 2254 1586 <i>E-mail:</i> abhra@imsc.res.in <i>Homepage:</i> www.imsc.res.in/~abhra
RESEARCH INTERESTS	Soft-condensed Matter. Dynamical and non-linear system Statistical Mechanics	
PUBLICATIONS	<p>[1] Motility of Active Filaments due to Spontaneous Flow-Symmetry Breaking. G. Jayaraman, S.Ramachandra, Somdeb Ghose, <u>Abhrajit Laskar</u>, M. Bhamla, P.B. Sunil Kumar and R. Adhikari <i>Physical Review Letters</i>. 2012. Published.</p> <p>[2] Hydrodynamic instabilities provide a generic route to spontaneous biomimetic oscillations in chemomechanically active filaments. <u>Abhrajit Laskar</u>, Rajeev Singh, Somdeb Ghose, Gayathri Jayaraman, PB Sunil Kumar, R Adhikari <i>Scientific reports, Nature</i>. 2013. Published.</p>	
COMPUTATIONAL SKILL	Programming and Mark-up Languages <ul style="list-style-type: none">• User-level : C, gnuplot• Beginner-level : Fortran, Python Software <ul style="list-style-type: none">• User-level : MATLAB, MATHEMATICA Visualisation <ul style="list-style-type: none">• User-level : Open-Dx• Beginner-level : Para-view	
TECHNICAL EXPERIENCE	<ul style="list-style-type: none">• Monte-Carlo Simulation• Lattice Boltzmann Method• Random Walk	
TEACHING EXPERIENCE	Classical Mechanics Undergraduate Teaching Assistant IMSc Sept. 2011 - Dec. 2011 <ul style="list-style-type: none">• Checked assignments.• Discussion	

EDUCATION

Integrated Ph.D (2009 - present)

[Institute of Mathematical Sciences](#) , Chennai, India

- graduate Thesis : Instability in Lattice Structure of Micro-organism
- supervisor : Dr Ronojoy Adhikari (Prof. G)
- Qualified with a 82.15% average

Bachelor's (Under - graduate) (2006 -2009)

[Ramakrishna Mission Vidyamandira](#), [University of Calcutta](#) , West Bengal, India

- Major : Physics (qualified in 2009)
- Minors : Chemistry and Mathematics (qualified in 2008)
- Overall percentage : 70.87%

Higher Secondary Examination(XII Standard) (2004 - 2006)

[Baniban Jadurberia Vidyapith](#), [WBCHSE](#) West Bengal, India

- Percentage : 87.30%

Secondary Examination(X Standard) (1998 - 2004)

[Ramakrishna mission Boys' home](#),[WBBSE](#) , West Bengal, India

- Percentage : 83.13%

MISCELLANIOUS ACTIVITIES

Conference, Workshop and School attended

- SERC Non-linear Dynamics winter school, Delhi University, India, Dec, 2009
- Gravitation and Cosmology School, HRI,Allahabad, India June, 2010
- Soft Condensed Matter School, SNBNCBS, Kolkata, India, Dec, 2010
- Unifying Concepts of Material, JNCASR, Bangalore, India, Jan, 2012
- Statistical Mechanics School, RRI, Bangalore, India, April, 2012
- Discrete Simulation of Fluid Dynamics, JNCASR, Bangalore, India, July, 2012

AWARDS

- Joint Entrance Screening Test 2009 ranked 34 (all India).
 - secured 98.56 percentile marks in JEST among all.
- National Graduate Physics Examination 2008-2009 (within national 1%)
- Junior Research Fellowship (NET - CSIR) 2011 December.
 - secured 34/110 in Physical Science under CSIR Fellowship scheme.

REFERENCE

Dr Ronojoy Adhikari

Professor G

Institute of Mathematical Sciences, Chennai, India

Email-id : rjoy@imsc.res.in

MORE INFORMATION

More information and auxiliary documents can be found at
www.imsc.res.in/~abhra/.