

Professor of Nanomaterials
The University of Manchester
The Mill, Sackville Street, Manchester M1 3BB

+ 44 (0)740 229 2755
aravind@manchester.ac.uk
<http://www.nanofunc.com/>

Present Appointments

Sept 2017 – Present Professor of Nanomaterials *University of Manchester*, Department of Materials, UK.
Head of Business Engagement *University of Manchester*, Faculty of Sci. & Eng., UK
Sept 2018 – Present Founder and Director *Atomic Mechanics Ltd.*, UK.
Sept 2018 – Present Founder and Director *Grafine Ltd.*, UK.

Previous Appointments

Sept 2017 – Aug 2021 Reader in Nanomaterials
Sept 2010 – Aug 2017 Lecturer in Nanomaterials
University of Manchester, Department of Materials, UK.
Nov 2009 – Aug 2010 Senior Post-doctoral Associate
Massachusetts Institute of Technology, Department of Chemical Engineering, USA
Jan 2006 – Oct 2009 Alexander-von-Humboldt Research Fellow (2006–2007)
Staff Scientist (2007–2009)
Karlsruhe Institute of Technology, Institute of Nanotechnology, Germany

Education & Qualifications

2005 Doctor of Philosophy (Ph.D.), Materials Engineering
Rensselaer Polytechnic Institute, Troy, NY, USA
2002 Master of Engineering (M.Eng.), Materials Engineering
Rensselaer Polytechnic Institute, Troy, NY, USA
2000 Bachelor of Technology (B.Tech.), Metallurgical Engineering
Indian Institute of Technology - Madras, Chennai, India

Publications and presentations

100 papers published in international, peer-reviewed journals (attached list) including *Nature Comm.*, *Nature Nanotech.* and *Nano Letters*, with an H-index of 34 and i-10 index of 62 (Google Scholar)
Co-authored 1 book and 2 book chapters on Graphene.
Over 50 keynote and invited lectures at international scientific conferences

Awards

2017 British Science Association Media Fellowship
2103 Royal Society Pairing Scheme Award
2013 Joshua Philips Award for Innovation in Science Communication
2006 Alexander von Humboldt Research Fellowship
2000 Indian Academy of Engineers' Innovation Potential of Students Projects Award

Technology and knowledge transfer

6 patents filed
2 Spin-outs established
Atomic Mechanics Ltd. (www.atomic-mechanics.com)
Grafine Ltd. (www.gra-fine.com)

Grants and funding

Raised over £5.5M in research grant funding
9 active research grants (25 total research grants) as Principal Investigator, total value £4.1M
1 active research grant (7 total research grants) as Co-investigator, total share of grants £1.4M

Outreach and public engagement

Awarded the 2017 British Science Association Media Fellowship.
Selected to participate in the 2013 Royal Society Pairing Scheme.
2013 Joshua Phillips Award for Innovation in Science Communication.