

Dr. Balachandra Achar H V

Details of journal publications and conference presentations:

International Journals:

1. H V B Achar, S Sengupta and E Bhattacharya, Fabrication of Ultrathin Silicon Nanoporous Membranes and Their Application in Filtering Industrially Important Biomolecules, IEEE Transactions on Nanotechnology, Vol. 12, No. 4, pp 583–588, Jul 2013
2. H V B Achar and E Bhattacharya, Nanoporous Silicon Membrane for Biomolecular Separation, International Journal of Nanoscience, World Scientific Publishing Company, Vol. 10, No. 4 & 5, pp 793–796, 2011

International Conferences:

1. E Bhattacharya, H V B Achar, S Sengupta, N P Ratchagar, P Bhadra and A Chadha, Size and charge based transport of molecules through silicon nanoporous membranes, Seventh ISSS International Conference on Smart Materials Structures & Systems, ISSS 2014, Bengaluru, 8–11 Jul 2014
2. E Bhattacharya, H V B Achar and S Sengupta, Nanoporous Silicon Membranes for Biomolecular Separation, The Fourth International Conference on Advanced Nanomaterials, ANM 2012, IIT Madras, 17–19 Oct 2012
3. E Bhattacharya and H V B Achar, Fabrication and Characterization of Silicon Nanoporous Membranes, International conference on Porous Semiconductors, Science and Technology, PSST 2012, Malaga (Spain), Mar 2012
4. H V B Achar and E Bhattacharya, Nanoporous Silicon Membrane for Biomolecular Separation, International conference on Nanoscience and Technology, ICONSAT 2010, IIT Bombay, Feb 2010
5. H V B Achar, M Rossi, S Cavalcanti, E Giordano, E Sangiorgi and M Tartagni, Single Particle Counter using Nanopore: Multiphysics Simulations and Experiments, IASTED International conference on Nanotechnology and Applications, Crete (Greece), Oct 2008

6. H V B Achar and J Nayak, Secure Medical Image Data System, International conference on Robotics, Vision, Information and Signal Processing, ROVISIP 2007, Penang (Malaysia), Nov 2007
7. D R Pai, H V B Achar and B S Satyanarayana, Design Considerations for Antenna in Printed RFID Tags, The 38th Conference of the ICEIGAT&M, MIT Manipal, Dec 2006

National Conferences:

1. B S Satyanarayana, S De, K V Rajitha, S Chandrasekhar, H V B Achar, S Niranjan and A R H Kumar, Organic Semiconductors a Key Enabler of Large Area Microelectronics and Flexible Electronics, The Third National Control Instrumentation System Conference, CISCON 2006, MIT Manipal, Jul 2006
2. H V B Achar, M S Kumar and J Nayak, Confidential Storage and Transmission of Patient Data in DICOM Medical Images, National Conference on Devices, Intelligent Systems and Communications, MITDISC 2005, MIT Manipal, Dec 2005
3. H V B Achar, M S Kumar and J Nayak, Efficient and Robust Watermarking of DICOM Images with Patient Information, National Conference on Image Processing, MSRSAS Bengaluru, Jul 2005