



VIT[®]
Vellore Institute of Technology
(Decreed to be University under section 3 of UGC Act, 1956)



International Conference on NANO IN ENGINEERING, SCIENCE AND TECHNOLOGY (i-NEST)



October 11-13, 2019

Organised by
Vellore Institute of Technology, Vellore
Vellore – 632 014, Tamil Nadu, India.
www.vit.ac.in

VENUE DETAILS

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|-------------------------------|--|
| Anna Auditorium | - Behind Main Building |
| Gallery – I | - Technology Tower (TT)-Ground Floor (028 &029) |
| TBI Smart Class Room - | Technology Tower (TT)-Ground Floor |
| TT 311 & TT 312 | - Technology Tower (TT)-Third Floor |
| Greenos & Foodys | - Adjacent to Hexagon Building |

Conference Themes

Track- I : Advanced Nanomaterials (ANM)

Track- II : Nano-Agriculture (AGR)

Track- III : Nano-Biotechnology (BIO)

Track- IV : Nano-Medicine (MED)

Track- V : Nano-Energy and Environment (ENR)

Track- VI : Nano-Electronics (ELE)

Track- VII : Nano-Manufacturing (MAN)

Track- VIII : Nano-Defense and Security (DEF)

International Conference on
Nano in Engineering, Science and Technology (i-NEST)
11 -13, October 2019
iNEST – PROGRAMME SCHEDULE

Timing			Venue
DAY – I (11.10.2019)			
0800 – 0930	Registration		Main Building Reception
1000 – 1130	Inaugural Function		Anna Auditorium
1145 – 1200	Conference Introduction		TT Gallery-1 (028-029)
1200 – 1300	Plenary Talk- I	Chair: Prof. Nageswar Rao, VIT, Vellore Plenary speaker: Dr. Seeram Ramakrishna, NUS, Singapore <i>Title: Nanotechnology and Smart Wearables</i>	TT Gallery-1 (028-029)
1300 – 1400		Lunch	
1400 – 1445	Keynote Talk – I	Chair: Prof. R. Vijayaraghavan, VIT, Vellore Keynote Speaker: Dr. John Kennedy, GNS Science, New Zealand <i>Title: Indirect Surface Nano-Patterning of Thermoelectric Films by ION Beam Sputtering</i>	TT Gallery-1 (028-029)
1445 – 1515	Invited Talk – I	Invited Speaker: Prof. Sitaram Dash, (Ex-Scientist, IGCAR, Kalpakkam), VIT, Vellore <i>Title: Nanomaterials for Sensor Applications</i>	TT Gallery-1 (028-029)

1515 – 1545	Invited Talk – II	Invited speaker: Dr. T.P. Sastry, Ex-Principal Scientist, CLRI, Chennai, Bioregen Technologies, Chennai. <i>Title: Biomaterials and Nano Biomaterials-Invention to Application</i>	TT Gallery-1 (028-029)
1545 – 1600		Tea Break	
1600 – 1645	Invited Talk – III	Invited Speaker: Dr. Seena V, Dept of Avionics, IIST, Trivandrum <i>Title: Polymer MEMS with Integrated Ceramic Thin Films: An Ultra-sensitive Platform for Environmental Sensing</i>	TT Gallery-1 (028-029)
1645 – 1730	Technical Talk ANM – I	Advanced Nanomaterials: Abstract No – TP19ANM004, 006, 009	TT Gallery-1 (028-029)
1645 – 1730	Technical Talk BIO – I	Nano BioTechnology: Abstract No – TP19BIO001, 003, 004	TBI
1645 – 1730	Technical Talk ELE – I	Nano Electronics: Abstract No – TP19ELE003, 004	TT-311
1645 – 1730	Technical Talk ENR -I	Nano Energy & Environment: Abstract No – TP19ENR001, 002, 004	TT-312
1930: Conference Dinner at Greenos			
DAY – II (12.10.2019)			
0900 – 1000	Plenary Talk – II	Chair: Prof. Geetha Manivasagam, VIT, Vellore Plenary speaker: Dr. Meyya Meyyappan, NASA, USA <i>Title: Nanomaterials and Printed Electronics</i>	TT Gallery-1 (028-029)
1000 – 1045	Keynote Talk – II	Keynote Speaker: Prof. Hae Won Kim, Dankook University, South Korea <i>Title: Multiple control of Cellular Micro Environment with Nano/Micro Particles for Tissue Regeneration</i>	TT Gallery-1 (028-029)
Tea break (1045 – 1100)			

1100 – 1140	Invited Talk – IV	Chair: Prof. Amitava Mukherjee, VIT, Vellore Invited Speaker: Dr. Kaushik Chatterjee, IISc, Bangalore <i>Title: In Vitro Disease Models for Breast Cancer and Cardiac Hypertrophy</i>	TT Gallery-1 (028-029)
1140 – 1220	Invited Talk – V	Invited Speaker: Dr. Easwaramoorthy, ARCI, Hyderabad <i>Title: Perovskite Solar Cells-Scale-up and Performance Evaluation</i>	TT Gallery-1 (028-029)
1220 – 1300	Invited Talk – VI	Invited speaker: Dr. Neetu Singh, Associate Professor, Indian Institute of Technology Delhi <i>Title: Red Blood Cells Derived Vesicles for Theranostic Applications</i>	TT Gallery-1 (028-029)
1300 – 1400	Lunch		Foodys
1400 – 1430	Invited Talk – VII	Chair: Prof. R. Vasudevan, VIT, Vellore Invited speaker: Dr. Beata Kaczmarek, Nicolaus Copernicus University, Poland. <i>Title: Nanotechnology in Cosmetics-Opportunities or Challenges?</i>	TT Gallery-1 (028-029)
1430-1500	Invited Talk – VIII	Invited Speaker: Dr. Tom Mathews, IGCAR, Kalpakkam, Chennai <i>Title: Multiphase TiO₂ nanotubes for Enhanced H₂ Generation by Solar Water Splitting</i>	TT Gallery-1 (028-029)
1500-1530	Invited Talk – IX	Invited Speaker: Dr. V. Murugan, CECRI, Karaikudi <i>Title: Environment-Friendly Multifunctional Nanosystem: A Need of The Day?</i>	TT Gallery-1 (028-029)
Tea Break (1530 – 1545)			

1545 – 1630	Keynote Talk - III	Keynote Speaker: Dr. Thomas Webster, Northeastern University, USA <i>Title: Goodbye Hospitals: Hello Implantable Nanosensors</i>	TT Gallery-1 (028-029)
1630 – 1815	Technical Talk DEF – I	Nano-Defense: Abstract No – TP19DEF001, 002, 006, 008, 009	TT Gallery-1 (028-029)
1630 – 1815	Technical Talk ELE – II	Nano Electronics: Abstract No – TP19ELE002, 005, 006, 007, 009, 010, 012	TT311
1630 – 1815	Technical Talk ENR – II	Nano Energy & Environment: Abstract No – TP19ENR006, 007, 008, 016, 017	TT312
1630 – 1815	Technical Talk MED – I	Nano-Medicine: Abstract No TP19MED008, 011, 012, 013, 014	TBI

DAY – III (13.10.2019)

0900 – 0945	Keynote Talk – IV	Chair: Prof. Prakasam, SBST, VIT, Vellore Keynote speaker: Prof. S. Balakumar, National Centre for Nanoscience and Nanotechnology, Univ of Madras, Chennai <i>Title: Nanostructured Bioactive Glass based composites for Ortho, Dental and Ophthalmology</i>	TT Gallery-1 (028-029)
0945 – 1015	Invited Talk – X	Invited speaker: Dr. I. Srinivas, Principal Scientist, ICAR, Hyderabad <i>Title: Nano in Agriculture-Fertilizers to Pesticides</i>	TT Gallery-1 (028-029)
1015 – 1045	Invited Talk – XI	Invited speaker: Dr. Sivakumar, ARIVIYA Labs. Thanjavur <i>Title: Nanotechnology/Nanomaterials: Industrial Perspectives</i>	TT Gallery-1 (028-029)

Tea Break (10:45 – 11:00)

1100 – 1130	Invited Talk – XII	Invited Speaker: Dr. T. S. Sampat Kumar, Indian Institute of Technology Madras <i>Title: Multifunctional Calcium Phosphate Nano Particles for Theragnosis</i>	TT Gallery-1 (028-029)
1130 – 1200	Invited Talk – XIII	Invited speaker: Prof. Ashis Kumar Sen, Indian Institute of Technology Madras, Chennai <i>Title: Interfacial Phenomena in Microfluidics</i>	TT Gallery-1 (028-029)
1200 – 1230	Invited Talk – XIV	Invited speaker: Dr. M Kannan, Tamil Nadu Agricultural University, Coimbatore <i>Title: Nanotechnology in Agricultural Production and Protection</i>	TT312
1230 – 1315	Technical Talk: AGR&MAN – I BIO – III	Nano-Agriculture: TP19AGR006; 007 Nano-Manufacturing: TP19MAN002 Nano Biotechnology-Abstract No -TP19BIO005, 006	TT312
1200 – 1315	Technical Talk ANM – II	Advanced Nanomaterials: Abstract No –TP19ANM011, 012, 013, 014, 016,018	TT Gallery-1 (028-029)
1200 – 1315	Technical Talk BIO – II & ANM – III	Nano Biotechnology: Abstract No -TP19BIO008, 012, 013, 015 Advanced Nanomaterials: Abstract No-TP19ANM019,020	TBI
1200 – 1315	Technical Talk ENR – III & MED – II	Nano Energy & Environment: Abstract No – TP19ENR 019, 020 Nano-Medicine: Abstract No TP19MED017, 021, 022	TT311
1315 – 1330	Concluding Remarks	Dr. Swarnalatha	TT Gallery-1 (028-029)
1330 – 1415	Lunch		Foodys
1430 – 1600	Valedictory Function		Dr M Channa Reddy Auditorium