



IEEE Summer School on Nanotechnology-2022

“A 4-day Training on Fabrication and Characterization of Nanomaterials”

16th-19th November-2022

Venue

**VNR Vignana Jyothi Institute of Engineering and Technology,
Bachupally, Hyderabad, Telangana, India-500 090.**

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About IEEE Summer School on Nanotechnology:

Theme: Designing nanomaterials with multiple functionalities from understanding the different fabrication methods and characterization techniques.

The understanding of fundamental principles of fabrication of nanomaterials is essential for every engineer who deals directly or indirectly with materials. A systematic training on fabrication methods of nanomaterials is required. Hence, the first part of the training program is proposed to concentrate on different methods related to fabrication of nanomaterials, and thin films.

The second part of the training program emphasizes on the basic characterization techniques related to structural, thermal, optical, microscopic, spectroscopic, microwave, and nanomechanical properties of materials.

The latest research fields and applications in the nanotechnology will also be explored by various experts along with the basic fabrication and characterization of nanomaterials.

Topics:

1. Fabrication of nanomaterials-chemical methods
2. Fabrication of nanomaterials-Physical methods
3. Structural and optical characterization
4. Microscopic and spectroscopic characterization
5. Thermal analysis
6. Nanomechanical characterization
7. Microwave characterization

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Associate Professor, Dept of Physics, IIT-Hyderabad
Dr. Santhosh Sivasubramani
SMIEEE, Founding Chair - IEEE NTC Hyderabad Section Chapter
Prof. Lan Fu
Professor, Head of Department, Dept. Electronic Materials Engineering Research School of Physics, The Australian National University, Canberra, ACT 2601
Dr. V. Sujaya Kumar
Inspire faculty, Centre for Nano Science and Engineering (CeNSE), IISc-Bangalore.
Dr. V. S. N. Murthy
Dept of Physics, BITS-Hyderabad
Dr. R. Rakesh Kumar
Assistant Professor, Department of Physics, NIT, Warangal

Invited Speakers:

Dr. T. Narayana, Visiting faculty, Australian National University.
Dr. S. D. Ramarao, Assistant Professor, Department of Physics, VIT, Amaravathi
Dr. T. Vishwam, Associate Professor, Dept. of Physics, GITAM University, Hyderabad
Dr. C. Thirimal, Assistant Professor, H&S Dept (Physics), VNRVJIET
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Dr. N. V. Suresh Kumar, Assistant Professor, H&S Dept (Physics), VNRVJIET

Contact Details

1. Dr. Y. Padma Sai,
Professor, Dept. of ECE, Dean Students Progression, VNRVJIET, Secretary-SPS, Hyderabad Section Former Chair-WIE AG, IEEE Hyderabad
Email: padmasai_y@ieee.org
Mobile: +91-9000037660
2. Dr. C. Thirimal,
Assistant Professor, Humanities and Sciences Department (Physics), IEEE-NTC-VNRVJIET, Chapter Advisor
Email: thirimal_ch@vnrviuet.in,
Mobile: +91-9884796997

Registration Details

Registration Fee: Rs: 100/-
Payment link:
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Registration Starts: 28-10-2022
Registration Ends: 16-11-2022
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