

Address for Communication

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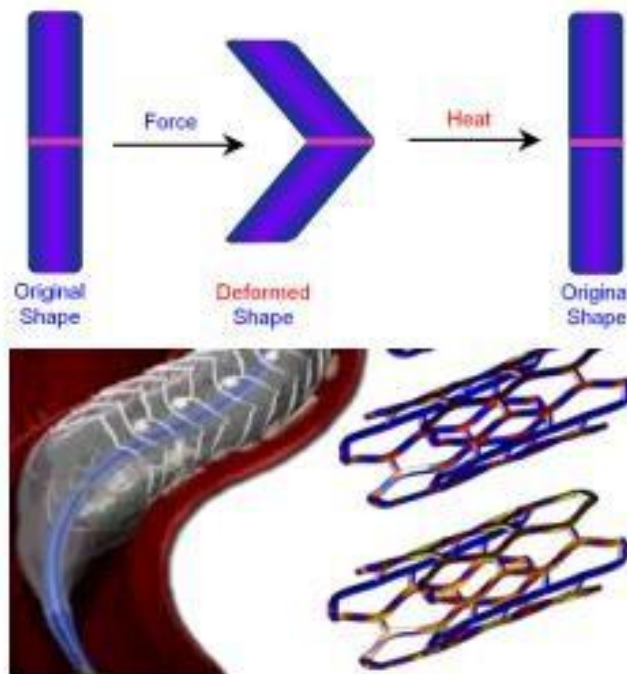
Note:

Final year Mechanical Engineering, PG and Ph.D Manufacturing/Metallurgy/Materials Science Scholars are encouraged to attend this workshop as this will enhance their understanding on shape memory alloys, their processing and applications.



Topics to be covered:

- Shape memory alloys
- Processing
- Basics and advanced fundamentals
- Product development



Attendance will be taken during each session. **E-certificates will be provided only to participants who have attendance for all sessions.** For any queries, please contact the coordinators.

**SRI SIVASUBRAMANIYA NADAR
COLLEGE OF ENGINEERING
Rajiv Gandhi Salai (OMR)
Chennai - 603 110**

**One Day National Workshop
on**

**Shape memory alloys – From
Fundamentals to Product
Development**

22 Feb. 2025 (Saturday)

Coordinators

**Dr. S. Santosh
Dr. S. S. Mani Prabu
Dr. M. Dhananchezian**



Organized by

**Department of Mechanical Engineering
SSN College of Engineering (Autonomous)
Kalavakkam – 603 110, Chennai.
Phone: 044-27469700
Website: www.ssn.edu.in**

About the Institution

Sri Sivasubramaniya Nadar College of Engineering, (SSNCE) is the outcome of the vision and initiative of **Padma Bhushan Dr. Shiv Nadar, Founder and Chairman, HCL Technologies**, a pioneer in the field of Information Technology. The Institution was established in 1996 on a sprawling campus of 250 acres on the Rajiv Gandhi Road (OMR) known as "Cyber Corridor" of Chennai. Most of the existing programs have been accredited for 5 years by National Board of Accreditation (NBA). The college has an ambitious initiative to pursue high quality research. **Funded projects worth of more than 35 crore from different external funding agencies are currently underway.**

About the Department

The department of Mechanical Engineering established in the year 2007 - 08 offers B.E. degree, M.E. (Manufacturing) and M.E. (Energy) degree courses with a mission to educate and train students to become globally competent. The department feels proud on its record making achievement in campus placement with over 90% of eligible students having placed in reputed core and IT companies. Active research areas of our department are Friction Stir Welding, Fracture Mechanics, Heat transfer, Solar

thermal, Vapor absorption refrigeration, Energy storage, MEMS, Smart Materials, Abrasives, Composite Materials, Tribology, Non-Destructive Testing, Nano Technology and Robotics. The Department is also a recognized research centre for guiding PhD scholars under Anna University, Chennai **and currently 125 scholars are pursuing PhD and 26 students have successfully completed PhD.** The Department has highly qualified and experienced faculty members; **most of them are with PhD Degree from institutions of repute.** The faculty members actively engage in research and regularly publish papers in reputed journals. The Department often organizes National and International conferences and workshops in emerging areas. The department has **research projects** funded by DST, AICTE, NRB and Dept. of Mines to a tune of **3.7 Crore** for conducting research in different areas. Industry Institute Partnership Cell (IIPC) has been established for enhancing the relationship between the institute and industry.

About the Workshop

The knowledge of shape memory materials and their characteristics, allows the designer not only to make the best material selection as a function of its application in a given product, but also to overcome

its limitations and constraints in a design path where materials and transformation technologies have become variables of the creation process. Nowadays the knowledge of material properties is essential more than ever. In order to disseminate the knowledge in this field, this workshop will provide insights to some of the advanced aspects of shape memory alloys and their processing techniques. This workshop is intended to provide the basics and advanced concepts of these novel materials along with live video demonstration on various processing techniques to the participants.

Important Information

Faculty, Research scholars, UG & PG Students and Industry persons are welcome to attend the workshop.

NO REGISTRATION FEE.

List of selected participants will be intimated through Email.

Registration

Interested students and faculty can send a mail to santoshs@ssn.edu.in for registration.