

One Day National Level Seminar on
“ **Development and Characterization of
Metal Matrix Nano Composites** ”

09th March 2019

APPLICATION FORM

Name : _____
Age : _____
Designation : _____
Organization : _____
Address for Communication : _____
Phone No. : _____
E-mail ID : _____
Qualification : _____
Experience : _____
Teaching : _____ Years
Others (Specify) : _____ Years

Demand Draft Details:
(Number, Bank & Date)

Need Accommodation (Yes / No) :

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the seminar for the entire duration. I also undertake the responsibility to inform the coordinator, in case, I am unable to attend the workshop.

Place :

Date :

Signature of the applicant

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Chairman, The Kavery Group of Institutions.

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Er. R. Periasamy, FIE.
Committee Member, TNSC, Chennai.

&

All the committee members of The Kavery Engineering College
and IEI-Salem Local Centre, Salem.

The duly filled application forms should be sent to

ADDRESS FOR CORRESPONDENCE

Prof. Dr. S. Benjamin Lazarus, M.E., Ph.D., MIE,
HoD / Mechanical.
Convenor, The Kavery Engineering College,
Mecheri, Salem - 636 453. Tamilnadu.
Cell : 95249 97156.
E-mail ID : tkccmechconference@gmail.com
Website : www.kavery.org.in

The Institution of Engineers (India)

An ISO 9001:2008 CERTIFIED ORGANIZATION
(Established in 1920, Incorporated by Royal Charter 1935)

**99 Years of Relentless Towards Engineering
Advancement for Nation Building**

ONE DAY NATIONAL LEVEL SEMINAR

on

**“ Development and Characterization of
Metal Matrix Nano Composites ”**

on

March 09th 2019

Organized by



The Institution of Engineers (India)
Salem Local Centre

3rd Floor, SPC Bhawan, 104/7, Manivannan Street,
Opposite to New Bus Stand, Salem - 636 004.

Under the Aegis of

MECHANICAL ENGINEERING DIVISION BOARD (MCDB), IEI

In association with

DEPARTMENT OF MECHANICAL ENGINEERING



The Kavery Engineering College

Mecheri, Salem - 636 453

Tel : 04298-278961, Fax : 04298-279158

E-mail : kaveryadmission@gmail.com

Website: www.kavery.org.in

Venue : APJ Abdul Kalam Hall, TKEC.

ABOUT THE INSTITUTION OF ENGINEERS (INDIA)

The Institute of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform from which to share professional interest. IEI has a membership strength of over 0.8 million. Established in 1920 with its headquarters at 8, Gokhale Road, Kolkata – 700 020, IEI has served the engineering fraternity for over nine decades. In this period of time it has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India to be accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. IEI functions among professional engineers, academicians and research workers. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating from more than 123 Centres located across the country. IEI provides grant-in-aid to its members to conduct research and development on engineering subjects.

IEI conducts Section A & B Examinations in different Engineering disciplines, the successful completion of which is recognized as equivalent to Degree in appropriate field of Engineering of recognized Universities of India by the Ministry of Human Resources Development, Government of India. Every year as many as 80000 candidates appear for these exams. For details, please see: www.ieindia.org.

ABOUT THE IEI SALEM LOCAL CENTRE (IEI - SLC)

The Salem Local Centre has been one of the active centres of IEI which is engaged in successfully translating the Objectives and Ethics of IEI into practices. The Centre was established in 1994 and inaugurated by late Shri P. Rangarajan Kumaramangalam, the then Hon'ble Minister of State for Science & Technology, Government of India on 30th October 1994. IEI-SLC has 1900 Corporate Members, 5000 Student members and 13 Institutional Members.

It regularly organizes technical and special lectures in the fields of Engineering, Management and Topics of current interest. Industrial visits are also arranged to industries to promote technical interaction among the members and the industries. It also observes the international/National events like World Environmental Day, World Telecommunication Day and Engineers Day etc. in a fitting manner by organizing technical talks on the selected themes with experts of the field.

Awards like Best IEI Students Chapter Award, Innovation and Sustainability Award, Best Young Engineer Award, Best Women Engineer Award & Dr. A.P.J. Abdul Kalam Award are given by IEI-SLC to Members, Engineering Students members of IEI every year. The Salem Local Centre in addition to the various services as given above supports with financial grant for this kind of programmes like Rs.10,000/- for One Day Seminar/Workshop, Rs.30,000/- All India Seminar / Workshop and Rs.2.0 Lakhs for National Convention etc.,

For more information, please contact The IEI-Salem Local Centre, 3rd Floor, SPC Bhawan, 104/7, Manivannan Road, Opposite to New Bus stand, Salem - 636 004. Phone no. : 0427-2332544, Email Id : ieisalemlocal@gmail.com, salemlocal@ieindia.org, Website : www.ieisalem.com.

ABOUT THE INSTITUTION

The Kavery Engineering College, founded by the philanthropic minded members of The Kavery Educational Trust started in the year 2006. It offers Five Under Graduate programmes, Eight Post Graduate programmes in Engineering, two Post Graduate programmes Master of Computer Applications and Master of Business Administration. The Courses are approved by AICTE, New Delhi and Affiliated to Anna University. The Institution is known for academic discipline and standards. It is one of the best running Institutions in Tamil Nadu.

ABOUT THE MECHANICAL ENGINEERING DEPARTMENT

Department of Mechanical Engineering was started in the year 2008 in a motive to provide education of highest standards to all classes of society including economically and socially backward sections of society and to provide trained and skilled engineers and technocrats to the society. It also aims to promote sense of equality, national integration, social justice amongst students and to act as catalyst in socio-techno-economic transformations for national developments.

ABOUT THE SEMINAR

The quest for advanced functional materials with superior functionality is being driven in various frontiers of engineering materials. One such frontier is the research of metal matrix composites, which has already been proven as one of the most productive fields. Nano-reinforcement of metal matrix alloys has the potential to dramatically increase the properties of metal matrix composites. Metal matrix composites reinforced by Nano-particles are very promising materials, suitable for a large number of applications. A Nano composite is a material designed for enhanced performance in any number of unique applications through improvement in structural, functional properties. These Nano composites are now days widely used in applications such as packaging, automotive, aerospace & defense, electronics & semiconductor, energy, construction, and others.

SEMINAR OBJECTIVE

- To equip the useful knowledge of the design, processing, characterization, properties, modeling approaches of Nano metal matrix composites.
- To study the effect of addition on different Nano reinforcements in metal matrix and highlighting its merits and demerits.
- To review manufacturing techniques used for the synthesis of bulk metal matrix Nano composites.
- To learn about the growing applications of nanotechnology in many fields like aerospace, nuclear, biomedical, electronics, energy and chemical engineering.
- To address recent advances and review the state-of-the-art in the field of light-metal matrix composites.

RESOURCE PERSON

Dr. T. Sekar, M.E, Ph.D., C Eng (U.K), Asst. Professor (SG), Mechanical Engineering, Govt. College of Technology, Coimbatore.

IMPORTANT DATES

Last date for receipt of filled in application : 03.03.2019
Date of intimation regarding selection : 05.03.2019
Date of workshop : 07.03.2019

REGISTRATION FEE

Registration of delegates will be made upon advance payment of registration fee as indicated below:

Corporate Members of IEI : Rs.200/-
Non-Corporate Members of IEI : Rs.300/-
Students : Rs 100/-

PAYMENT

All Payments will have to be made in A/C Payee Demand Draft Favoring "The Institution of Engineers(India), Salem Local Centre" Payable at Salem.