DECLARATION:

I declare that the details furnished are true to the best of my knowledge and I agree to abide by the rules and regulations of the institution.

Place :
Date : ***Signature***

SPONSORSHIP CERTIFICATE:

Dr. / Mr./ Ms. _____ is an employee/student of our institute / Organization and is hereby sponsored. He / She will be permitted to attend the course, if selected. He/She is eligible for ————Category and the same is recommended.

Place :
Date :

Signature of the
Sponsoring Authority with Office seal

REGISTRATION FEE

- **FREE for outstanding & academic toppers and those are doing research in magnetic field (must bring recommendation letter from the head of the department/institute)**
- **Rs. 500/- for Faculty, Research scholars & PG/UG students.**
- **Rs. 1000/- for delegates from Industries**

(spot registration is also done)

Demand Draft to be taken in favour of ***The Principal, Mepco Schlenk Engineering College payable at Sivakasi.***

ORGANIZING COMMITTEE

Chief Patron: Thiru. A. Tenzing,, Correspondent
Patron: Dr.S.Arivazhagan, Principal
Head of the Department: Dr.A.Marikani, Professor and Head, Physics
Organizers: Dr. S. Ravi and Mr.C.Senthilkumar, AP(SrG)

MNFA HIGHLIGHTS:

- Prospects of Magnetic nanoparticles in research
- Expert lectures on recent trend in Magnetic research
- Understanding fabrication of Future devices
- Extensive training to start the research career in Magnetic field

RESOURCE PERSONS:

Experts from Premier research & academic institution and Faculty of Mepco Schlenk Engineering College.

WHO CAN ATTEND?

- ✓ Faculty from Engineering and Science colleges and delegates from Industries.
- ✓ Research Scholars and PG/UG Students

IMPORTANT DATES:

Last date for the receipt of Registration Form along with DD : 27.03.2019
Date of intimation regarding selection by E-mail : 28.03.2019

CONTACT DETAILS

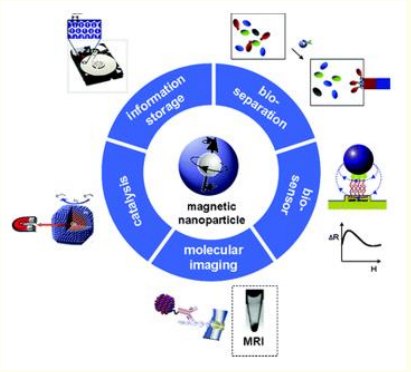
Dr.S. RAVI
Co-ordinator – MNFA 19,
Assistant Professor / PHY
Department of Physics,
Mepco Schlenk Engineering College, Sivakasi.
Phone: 04562-235690, 9360534894
E-mail ID: mnfamsec2019@gmail.com &
sravi@mepcoeng.ac.in

One Day Workshop on

MAGNETIC NANOPARTICLES IN FUTURE APPLICATIONS

(MNFA-19)

March 29,2019



Co-ordinators
Dr. S. Ravi
&
Mr. C. Senthilkumar

Organized by

DEPARTMENT OF PHYSICS
MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI
(An Autonomous Institution)
Mepco Engineering College Post - 626 005
Sivakasi, Virudhunagar District, Tamil Nadu.

ABOUT THE INSTITUTION:

Mepco Schlenk Engineering College (Autonomous), Sivakasi is one of the leading institutions in India, towering high in academic excellence and research pursuits ever since its inception on 1984. This technical institution is sponsored by Mepco Schlenk charities founded by The Metal Powder Company Ltd., Tirumangalam, Madurai and philanthropist Mr.Von Schlenk of Germany. The Institute offers under graduate programs in 7 disciplines and post graduate programs in 12 specializations. It has collaborations with leading Industrial, Academic and Research organizations in India and abroad. The college is certified by ISO 9001:2008 from M/s. DNV, Netherlands. All the eligible Engineering Departments are accredited by NBA. Our College got 12th rank in the ranking of top engineering colleges of eminences at national level categories in the CSR-GHRDC Engineering College survey 2016 and 40th position in top 100 private T-schools 2016 among all technical institutions in India.

ABOUT THE DEPARTMENT:

Department of Mechanical Engineering was established in the year 1993 and offers one UG and three PG programmes. The Department has achieved excellence in academic and research work.It has been recognized as Research Centre to have interaction with Anna University for collaborative research programme which leads to Ph.D. and M.S. degree by research and as Centre of Relevance and Excellence (CORE) on Industrial Safety by DST, TIFAC, New Delhi.The department has under taken 29 projects worth of 3.05 crores from various Govt. and Quasi Govt. Organizations like DRDL, ISRO, DST, AICTE, IEI, MSME, etc.

CONTEXT:

This is a workshop devoted to magnetic nanoparticles, considering both fundamental aspects and applications. Although magnetism is one of the oldest scientific disciplines, it remains at the forefront of the emerging nanotechnology era in limited atom systems such as nanoparticles, which bridge the gap between atomic and solid-state physics. The control of their monodispersity and surface properties leads to a variety of nanotechnological applications. Their use as non-volatile data storage media offers some insuperable advantages over other forms of storage, which is based on a rare combination of extremely fast switching time with long term stability. The drive towards ever smaller and faster electronic devices has forced scientists to consider quantum dynamics, which governs the interaction of particles at atomic scale. Moreover, magnetic nanoparticles are close to be employed in tumour therapy, bio-labelling, contrast agents in magnetic imaging and targeted drug delivery.

ABOUT MNFA

One of the aims of the workshop will be to bridge the gap between scientific and practical aspects, and establish a common language between physicists, chemists, engineers and biologists interested in this field. Therefore, the participants will have diverse expertise related to different aspects of magnetic nanoparticle characterization, synthesis, study of fundamental properties, and optimization for current and emerging applications. Therefore, the workshop focus is on:

- Fundamentals of magnetic vs. geometric and electronic structure of nanoparticles
- Potential and feasibility of emerging applications with magnetic nanoparticles
- Magnetic electronics & Spin dynamics
- Magnetic based multifunctional materials research
- Magnetic nanoparticles in targeted drug delivery

ABOUT MNFA 19

This workshop is the first series of MNFA which will be organized periodically every year covering the aims and focusses as a series. For this year the workshop covers magnetic nanoparticle applications in drug delivery and spintronics.

REGISTRATION FORM

One day workshop on

"MAGNETIC NANOPARTICLES IN FUTURE APPLICATIONS (MNFA-19)"

(29.03.2019)

Name :

Gender :

Designation:

Institution/ Industry:

Educational Qualification :

Experience :

Teaching:

Industry :

Category (tick) : FREE/Students with Rs.500/-/Faculty/Industries

Address for Communication :

Pin :

Phone (Off.) :

(Res.) :

Mobile :

E-mail ID :

DD No.: Date:

Name of Bank: Amount Rs.....

Photo copies of the registration form may be used, if needed.