

Outline of the Workshop

Research Preparation and Planning

Understanding research and its goals, techniques for generating research topics, topic selection and justification, development of a research proposal.

Introduction to LaTeX:

How to use LaTeX to prepare technical documents such as books, theses, articles, technical reports in a publishing style. Elements of LaTeX document Structure, Mathematics, Figures and Tables, Cross references, Bibliography. How LaTeX can be easily handled in a windows environment.

Academic Writing and Oral Presentation:

Elements of style, thesis/proposal organization, journal and conference papers writing, case studies, elements of excellent presentation, preparation, visual and delivery, oral communication and question handling.

Writing Research Papers in LaTeX

Using standard LaTeX templates, How to start writing research papers in LaTeX, and demonstration with simple examples.

Registration Fees:

Non-IET/ IEEE members: Rs.600/
IET Members: 400/

The Registration details are provided in the Registration Form available at the link:
www.appliedphysics.caluniv.in
There is no provision for spot registration

Organizing Committee

Chairs

Jitendranath Bera
Applied Physics, University of Calcutta
Kartik Chandra Mukhopadhyay
IET Kolkata Network

Coordinators:

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Applied Physics, University of Calcutta
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M.K. Chakravorty, A.N. Chowdhury, N.K. Dutta

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One day Pre-Conference workshop On:

“How to do a Good PhD”

September 11, 2015

Jointly Organized By



Department of Applied Physics,
University of Calcutta
Kolkata, West Bengal, India

and



IET UK Kolkata Local Network

Venue:

Rashbehari Siksha Prangan
92 APC Road Kolkata-700009, India

Objectives

While India is considered a knowledge power, the research output is very less, according to worldwide surveys. It is a welcome note that there is increasing awareness and interest to take up research. However there is very little organized information on what is research, why to do research, how to do research, how to choose the topic/guide, how to do literature survey, how to write research papers, how to present in conferences, how to publish/ patent, how to use latex, and various other aspects. The main objective of this workshop is to educate all those who are interested in doing good research both from academia and industry. This workshop will be most beneficial to all the research scholars and the faculty who are pursuing and may be interested in pursuing doctoral research. Introduction to LaTeX will also help the participants to acquire the skills to write technical papers, thesis, reports and books efficiently.

By attending this workshop, the participants will learn the basic skills that are essential to becoming a successful researcher and also how to produce a good Ph.D thesis.

Resource persons

Dr. N. Sundararajan



Narasimhan Sundararajan received the B.E in Electrical Engineering with First Class Honors from the University of Madras in 1966, M.Tech from the Indian Institute of Technology, Madras in 1968 and Ph.D. in Electrical Engineering from the University of Illinois, Urbana-Champaign in 1971.

From 1972 to 1991, he was working in the Indian Space Research Organization, Trivandrum, India starting as a Control System Designer to Director, Launch Vehicle Design Group contributing to the

design and development of the Indian satellite launch vehicles SLV3, ASLV, PSLV and GSLV. He worked as the Project Engineer (Mission) for the first Indian Satellite Launch Vehicle project - SLV3 team working directly under Dr. Kalam. He was also a NRC Research Associate at NASA Ames in 1974 and a Senior NRC Research Associate at NASA Langley in 1981-86 under the National Academy of Sciences, USA program. From February 1991, he was working in the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, as a Professor and has retired from that position in July 2010. He is also an emeritus visiting professor at the Indian Institute of Space Science and Technology, Trivandrum, India. Presently, he is a senior research fellow in the School of EEE, NTU, Singapore. He was also a “Prof. I.G.Sarma Memorial ARDB Professor (an endowed visiting professor) during Nov 2002-Feb 2003, at the School of Computer Science and Automation, Indian Institute of Science, Bangalore, India. His research interests are in the areas of aerospace control, machine learning, computational intelligence specifically in the area of neural networks and their applications and have more than 250 papers and five books in this area. Dr. Sundararajan is a Fellow of IEEE, an Associate Fellow of AIAA and also a Fellow of the Institution of Engineers, (IES) Singapore. He was an Associate Editor for IEEE Trans. on Control Systems Technology, IFAC Journal on Control Engineering Practice (CEP), IEEE Robotics and Automation Magazine and for Control -Theory and Advanced Technology (C-TAT), Japan. He was also a member of the Board of Governors (BoG) for the IEEE Control System Society (CSS) for 2005. He was the General Chairman for the Sixth Intl. Conf. On Automation, Robotics, Control and Computer Vision - ICARCV2000

held in Singapore on Dec. 2000 and has contributed as a program committee member in a number of international conferences.

Dr. B.S. Mahanand



B S Mahanand received the Bachelor of Engineering degree in Computer Science and Engineering from Adichunchanagiri Institute of Technology, Chikkamagaluru in 2000, the Master of Technology in Computer Engineering from Sri Jayachamarajendra College of Engineering (SJCE), Mysuru in 2003 and the Ph.D degree in Computer Science and Engineering from Visvesvaraya Technological University in 2012. He was a postdoctoral research associate in the Center for Computational Intelligence, School of Computer Engineering, Nanyang Technological University (NTU), Singapore in 2012. He was awarded with a visiting research fellowship from Finland government to pursue research in the Laboratory of Biomedical Engineering, Helsinki University of Technology from 2007 to 2008. He is currently Associate Professor, Department of Information Science and Engineering, SJCE, Mysuru. Dr. Mahanand has received Best Ph.D Thesis Award for the year 2012-13 from the Government of Karnataka's Board for IT Education Standards. He has published more than 25 research articles in various reputed conferences and peer reviewed journals. His research interests are in the areas of computational neuroanatomy, medical image analysis and machine learning.



Pre-Conference Workshop on "How to do a Good PhD"



Date: September 11, 2015

Venue: Rashbehari Siksha Prangan, University of Calcutta, 92 APC Road, Kolkata-700009

Registration details: (Please use Block Letters)

NAME: _____
(First Name) (Middle Name) (Last Name)

DESIGNATION: _____

AFFILIATION: _____

ADDRESS: _____

CITY: _____ COUNTRY: _____

PIN/ZIP: _____

TEL. (WITH STD) : _____ MOBILE NO: _____

E-MAIL ID: _____

CATEGORY: a. IET/IEEE member

b. Others :

if Author of MFIS2015, membership Number of IET/ IEEE:

SEMINAR REGISTRATION FEES: (Please fill in particulars below)

REGISTRATION CATEGORY	AMOUNT
IET/IEEE member	INR 400
Others	INR 600
TOTAL	
Please pay by Cash.	

FULL SIGNATURE: _____

Instructions:

1. Signed and scanned copy of Registration Form to be sent at the following email IDs: priyanka.bera05@gmail.com; or purbadrighosal@gmail.com. Please indicate "**Registration in MFIS2015**" in the subject line of your email clearly.
2. For outstation candidates (outside West Bengal) only, the registration may be deposited in cash in the programme venue. For others, the registration fees to be deposited within August 25, 2015.
3. For any query, please contact the following:

Mrs. Priyanka Bera, Senior Research Assistant, Applied Physics, Mob: 09735202180
Ms. Purbadri Ghosal, University research fellow, Applied Physics, Mob: 09476445027