MODELING WEEK AND STUDY GROUP MEETING ON INDUSTRIAL PROBLEMS (MWSGMIP-2015)

National Program on Differential Equations
NPDE-TCA 2015 (Sponsored by DST)
Modeling Week : 17th - 21st March, 2015
Study Group Meeting : 23rd - 27th March, 2015

Venue: Dept. of Applied Mathematics, Faculty of Tech. & Engg., M. S. University of Baroda, Vadodara, 390 001, India.

Dept. of Applied Mathematics at MSU in collaboration with Industrial Mathematics Group (IMG) at IITB, Powai-Mumbai, will be hosting Study Group Meeting (SGM) during March, 23rd - 27th and as a precursor to SGM a Modeling Week (MW) has been organized during March 17th - 21st 2015.

One of the objectives of the SGM & MW is to give exposure to Research Scholars and young faculty members to live industrial problems requiring mathematical solutions.

Emphasis of SGM

- Generating ideas which will eventually lead to a tangible methodology for problem solving activity pertaining to specific raw problems coming from industries.
- Evolving long term interaction between academic and industry with respect to research & development perspective.
- Developing a network of mathematicians and computational scientists dealing with industrial problems.

Emphasis of MW

- To demonstrate techniques for mathematical modeling of real world problems.
- Exposure to standard methodology for tackling the mathematical problems arising from modeling activities.
- Modeling of some sample case studies from industrial problem emphasizing its importance in real life problems.

TARGET AUDIENCE

R & D personals from Industries. Faculties, Researchers and P. G. Students from Academic and Research Institutions.

PLAN FOR THE MEETING

Scientists, Engineers, Economists, Managers, Financial Analysts and other user community will be invited to present their technical problems. It will be the endeavor of the participants to provide useful directions toward viable solutions for problems through intense sessions of brainstorming.

Program of the meeting will involve: Problem presentation by industry participants, formation of working groups, problem solving sessions, preparation of mid-term progress report by each group, feedback analysis, presentation of final solution. Details can be found on the MWSGMIP 2015 Website: www.msubaroda.ac.in/mwsgmip2015

We therefore encourage the industries to pose their nagging problems and invite them to participate in these activities. We also invite P. G. Students/ Faculties/ Researches from institutions to join their hands for providing viable solutions to these industrial problems.

RESOURCE PERSONS

M. C. Joshi (IITB), A. K. Pani (IITB), V. D. Pathak (MSU), S. Ramamohan (MSU), Sukavanam (IITR), R. K. George (IIST - Trivendrum), B. V. Ratish Kumar (IITK), A. S. Vasudeva Murthy (TIFR - CAM Bangalore), Nandakumar (IISc - Bangalore), S. Sundar (IITM), J. Tyagi (IITGn), Shree Hari Rao (JNTU - Hyderabad), J. J. Patel (Consultant), Mahajani (Deputy General Manager, Amtech Electronics), S. Panda (NIT Kalicut), M. N. Mehta (NIT - Surat), V. H. Pradhan (NIT - Surat), D. C. Vakaskar (MSU), D. P. Patel (MSU), B. M. Shah (MSU), Nitin Bhate (MSU), Milind Koranne (MSU).

CO-ORDINATORS : (MSU, Vadodara)

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REGISTRATION

Fees for	Modeling Week	SGM
Students/ Researches scholars:	Free	Free
Participants from Academia:	Rs. 1000/-	Rs. 1000/-
Participants from Industries :	Rs. 2500/-	Rs. 2500/-

Draft should be sent in the name of **'Coordinator, MWSGMIP2015'** payable at 'Baroda':

Efforts will be made to provide financial support for travel, boarding and lodging for all selected participants. Selection will be based on merit.

PARTICIPATION To participate in this program, fill in the required registration form, which can be downloaded from the website: **http://www.npde-tca.math.iitb.ac.in/** & Mail it to: The Convener NPDE, Department of Mathematics, Industrial Mathematics group, IIT Bombay, Powai, Mumbai 400 076. E-mail: npde.atmp@gmail.com

Last Date of Receipt of Application March 1st 2015

Contact at IIT Bombay, Powai, Mumbai: npde.atmp@gmail.com ,(O): +91(022)2576 4765