



IEI MSC NEWSLETTER

Monthly Newsletter of the Institution of Engineers (India), Maharashtra State Centre

Chairman : Shri. H. O. Thakare, FIE

Hon. Secretary : Shri. M. B. Dagaonkar, FIE

Editor : Mr. Amol Bora, FIE

It is the weight, not number of experiments that is to be regarded - Isaac Newton

Did You Miss It ?

Asst. Prof. A. S. Rao, Mechanical Engg. Dept, VJTI, delivered lecture on the topic of "Rapid Prototype Manufacturing and its applications" on 18-4-2011 at our IEI MSC premises.

The following points were discussed :

1. Various processes of Rapid Prototype Manufacturing and recent findings in rapid prototyping (RP) and its various significant applications with nice illustrations
2. Comparison of Rapid prototyping with CNC
3. Explained concept of Functionally Gradient Materials (FGM) in RP which controls the variation of material composition, one of such applications is "time release delivery drugs".
4. Road map to Rapid Manufacturing(RM) from Rapid Prototyping (RP)
5. Introduction of Hybrid Manufacturing and Segmented Oriented Manufacturing (SOM) in RM.

Forthcoming Events

1

All India Seminar on "Micro Grids in Indian Power Systems" on June 6-7, 2011 at Pune.

Context :

Increasing penetration of nonconventional generation like mini Hydel, Solar, Wind, Bio-waste and increasing infeeds of captive & co-power generation by industry at distribution level, led to the concept of small local grids, controlled by local load control centres called Micro Grids. India has a tremendous potential for formation of such grids.

Micro grids will have sources varying from few kilowatts to many megawatts, different in characteristics & availability. These micro grids will be connected to National Grid through utility networks.

Operation of such grids demand automation, use of intelligent devices, computerized control & modern

communication to maintain stability, security & quality. The world experience of last decade, developments in new concepts and standards in Micro Grids need to be reviewed in the context of Indian Scenario. The Institution of Engineers, Pune Local Centre has therefore scheduled an All India Seminar on "Micro Grids in Indian Power System at Pune in June 2011.

Scope and Objective of Seminar :

The seminar will consist of

- 1) Invited Papers from the peers from the power sector.
- 2) Scrupulously scrutinized contributed papers from the researchers and practicing engineers.
- 3) Expert lectures from the eminent engineers from the field and
- 4) Panel discussion.

The seminar will provide platform for researchers, academicians, field engineers, power system equipment manufacturers and service providers to learn from the experiences of experts and know & discuss various opportunities and challenges associated in forming micro grids, in its operation and its integration into Indian National Grid. This also provides an opportunity to present your work & share experiences with other power sector engineers.

Theme :

Micro Grids in Indian Power System

Subthemes : Including but not restricted to following:

Micro Grid - Concept :

Introduction, state of the art, world experience.

Distribution Automation:

Distributed generation, substation automation, intelligence in distribution network operation, smart metering and monitoring.

Integrating Renewable Resources in Distribution :

Minihydel, Solar, Bio-waste, captive power, co-generation etc.

Communication Monitoring & Control:

Sensors, communication network and metering infrastructure, cyber & physical security, standards, protocols and codes, IT requirements & software

Operation, Maintenance :

Operational requirements, maintenance, stability & security considerations, power quality monitoring, Integrating microgrids into Indian National Grid.

Management:

Regulatory aspects, economics, tariff, market operations, management.

Author Information & Paper Submission :

Outstanding papers will be considered for publication in the Institution of Engineers, Pune Local Centre Journal

The papers in the prescribed format, available on website, are invited on the topics of the subtheme or on any other topic related to the theme of the seminar.

The topics include but not limited to the above theme and sub-themes.

Paper Submission :

The softcopy of the abstract and papers in the word format be sent to papers@ieipuneseminar.in

Manuscripts should be at most six pages with 10pt font in the IEEE two-column format including figures, tables and references. The template is available at <http://www.ieee.org/portal/pages/pubs/transactions/styleseets.html>

Scheduled Dates_:

- ✓ Receipts of 500 words abstract: April 15, 2011
- ✓ Communication of acceptance: April 30, 2011
- ✓ Receipt of final manuscript: May 21, 2011
- ✓ Seminar: June, 6, 7, 2011

At least one of the authors of the selected papers will be required to present the paper in the seminar by registering as a delegate by paying the registration fees.

Sponsorship :

Support from Electrical Power Industry is solicited in the form of sponsorship, advertisement in souvenir and maximum delegates to attend the seminar. The sponsor will enjoy following privileges:

Gold Sponsor Rs.1 lakh -5 Free Delegates, Banner in the Seminar Hall, Full Page color advertisement in Souvenir.

Silver Sponsor Rs.50,000/- - 3 Free Delegates, Banner in the Seminar Hall, Full Page color advertisement in Souvenir.

Sponsor Rs.25,000/- -2 Free Delegates, Banner in the

Seminar Hall, Half Page color advertisement in souvenir.

Event Sponsor :

Dinner Rs.25,000/- -2 Free Delegates, Banner in the Dinner Hall, Half Page color advertisement in Souvenir.

Lunch Rs.20,000/- -2 Free Delegates, Banner in the Lunch Hall.

Delegate Kit Rs.20,000/- -2 Free Delegates, Half Page Black & White advertisement in souvenir, Printing name on the Kit.

Maximum banner size for all events 4' x 6' to be provided by the sponsors

SOUVENIR :

A souvenir will be published during the convention. It will consist of information on Seminar, Programme Schedule, Abstract of papers and Advertisements. The souvenir will be distributed to delegates and those associated with the seminar. The charges for the advertisement are as follows :

Advertisement, Full Page – 7.5” x 10”**Charges Rs.**

Inside Front Cover (Color) 10,000/-
Inside Back Cover (Color) 8,000/-
Cover Page Back (Color) 10,000/-
Color Full Page 6,000/-
Black & White Full Page 4,000/-

(Privilege One Free Delegate for above categories)

Black & White Half Page 2,000/-
(No Free Delegate)

Registration :

All delegates attending the conference will be required to register by filling registration form and paying registration fees as follows:

Category	Registration Fees (Rs.)
General	Rs.800/-
Academic Faculty	Rs.650/-
IE(I) Members & Authors	Rs.500/-
Students / IE(I) Technicians Members	Rs.400/-

Registration fee includes seminar proceedings on CD, tea / coffee during session and lunch on two days.

Delegates will have to make their own arrangements for accommodation.

Registration Procedure:

Registration can be done by sending duly filled in registration form by post /courier /fax on the address of Pune

Local Centre or E-mails to registration@ieipuneseinar.in
The registration fee, advertisement charges, sponsorship charges can be paid by a Crossed Demand Draft / Bankers Cheque drawn in favor of The Institution of Engineers(India), Pune, Payable at Pune.

The payment can also be made by depositing Cash /Cheque in any Branch of Bank of India anywhere in India to A/C : The Institution of Engineers (India), Pune, A/C No : 051810110001280, Bank of India, JM Road Branch, Pune.

The counter foil of the payment will be exchanged with the regular receipt at the registration counter on arrival in Pune.

For more details please contact :

The Institution of Engineers (India), Pune Local Centre,
on Phone: +91-20 25533376
Fax: +91-20 2553 0150 or
Email - convenor@ieipuneseinar.in



World Environment Day
On the theme "Forests – Nature at your Service"
on 11.06.2011 at 06.00 p.m. at IEI, MSC
premises, Haji Ali, Mumbai.

Theme :

Forests cover one third of the earth's land mass, performing vital functions and *services* around the world which make our planet alive with possibilities. In fact, 1.6 billion people depend on forests for their livelihoods. They play a key role in our battle against climate change, releasing oxygen into the atmosphere while storing carbon dioxide.

Forests feed our rivers and are essential to supplying the water for nearly 50% of our largest cities. They create and maintain soil fertility; they help to regulate the often devastating impact of storms, floods and fires.

Splendid and inspiring, forests are the most biologically diverse ecosystems on land, and are home to more than half of the terrestrial species of animals, plants and insects.

Forests also provide shelter, jobs, security and cultural relevance for forest-dependent populations. They are the green lungs of the earth, vital to the survival of people everywhere -- all seven billion of us.

Forests embody so much of what is good and strong in our lives. Yet despite all of these priceless ecological, economic, social and health benefits, we are destroying the very forests we need to live and breathe.

Global deforestation continues at an alarming rate -- every year, 13 million hectares of forest are destroyed. That's equal to the size of Portugal.

Short-term investments for immediate gains (e.g., logging)

compound these losses. People who depend on forests for their livelihoods are struggling to survive. Many precious species face extinction. Biodiversity is being obliterated. What's more, economists around the world have proven that by not integrating the values of forests into their budgets, countries and businesses are paying a high price. One that ultimately impoverishes us all as harm to our forest life-support system continues each and every single day.

But this trend is not irreversible. It's not too late to transform life as we know it into a greener future where forests are at the heart of our sustainable development and green economies.

Conserving forests and expanding them need to be recognized as a business opportunity. When we add it up, an investment of US\$30 billion fighting deforestation and degradation could provide a return of US\$2.5 trillion in new products and services.

Furthermore, targeted investments in forestry could generate up to 10 million new jobs around the world. Already, many leaders are glimpsing the potential for renewable energy and nature-based assets, but for transformation to happen, forests need to become a universal political priority.

The services forests provide are essentially to every aspect of our quality of life. And the answer to sustainable forest management, moving towards a green economy, lies in our hands.

Doesn't knowing this make it so much easier to see the forest from the trees!

Dr.C.S.Lattoo, former faculty, Department of Botany, Institute of Science, Mumbai, will deliver the lecture. Presently he is conducting lectures at the Mumbai University and Rachana Sansad. He is also on Govt. Bodies on forest preservations.

Co-ordinator : Prof.S.M.Patil, Convenor, Environmental Engineering Division, and Jt.Hon.Secretary.

Registration is FREE but NECESSARY.

For registration please contact our Centre's office on 23543650, 23542943.



13th 1-day workshop on "Structural Audit and Upgrading, Fixing Leakage and Waterproofing of Existing RCC Buildings, Durable Construction for Re-Development and for New Buildings with practical of Flexible Membrane Waterproofing System" on 01.10.2011, from 9 a.m. to 5.30 p.m. at Mumbai

The course is designed for owners/users, civil engineers, architects, builders, contractors, supervisors, Society office

bearers from top management to grass root level staff.

Registration Charges :

Non-Members : Rs.1200 per head
Members of IE(I), ICI,
ISSE, ACI, IIBE, PEATA : Rs.1000 per head
Students : Rs.700 per head

Venue :

The Institution of Engineers (India), Maharashtra State Centre, 15, Haji Ali Park, K.Khadye Marg, Mahalakshmi, Mumbai – 400 034.

A discount of Rs.100 will be given to those who register and pay on or before 24.09.2011.

Valued Sponsors/Co-Sponsors are welcome.

All Payments can be made in Cash, Cheque / DD drawn in favour of “The Institution of Engineers (India), Maharashtra State Centre”.

For more details please contact :

Mr. Jayakumar J. Shah on 9819242649 or our Centre's office on 23543650, 23542943.

Heartiest Congratulations.....!

- 1) Biography of Shri.Jayakumar J. Shah, FIE is included in “MARQUIS Who's Who, USA” prestigious directory who's who in Asia 2012 – Second Edition.
- 2) Shri.Anil G. Shrotri, MIE was appointed as the Director, Engg. and Special Projects, MCGM.
- 3) Shri.Ramesh R. Bambale, MIE was appointed as Hydraulic Engineer, MCGM.



Extension of date for applying Photo Identity Card free of cost

The Council at its 652nd meeting held at Hyderabad during March 21-22, 2009, decided to introduce Photo Identity Card as compulsory to all Corporate Members with effect from July 1, 2009. It has now been decided that the Photo Identity Card in the revised format to be issued to existing Corporate Members (F/M/AM) will bear their signatures.

Therefore, the existing Corporate Members who are already holding or not holding the Photo Identity Card of the Institution are requested to apply in the prescribed downloadable proforma available at our website www.ieindia.info for Photo Identity Card bearing their signatures. **The Photo Identity Card will be issued free of cost if the application is received within 30 June 2011.** The photograph and the specimen signature must be verified by a supporter (other than the applicant) who is an existing Corporate Member of the Institution.

The following courses shall be conducted by The Institution of Engineers (India), Maharashtra State Centre in the month of June, 2011.

1. Revit 11.0 Version : Including Quantity & Estimation
2. Autocad
3. RCC Detailing
4. (Switch Yard) Transmission Tower Detail Drawing
5. Primavera
6. Etabs & Safe
7. Advance Excel for Engineering Application.

For More Details about the above courses please contact Ms.Pervin Solomon on her mobile no.9820096996 or on her email pervin.solomon@gmail.com

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