



# IN TOUCH.....IN TUNE

CSIR-CMERI Monthly Newsletter

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## Research Council Meeting

The 53<sup>rd</sup> Research Council Meeting of CSIR-CMERI, Durgapur was held on March 17, 2017. Prof. D.V. Singh chaired the meeting. Prof. Sudipto Mukherjee and Prof. Suman Chakraborty, Members of RC, attended the meeting in person while Prof. Santosh Kapuria, Director, CSIR-SERC attended the meeting through video conferencing. Prof. Harish Hirani, Director, CSIR-CMERI welcomed Chairman and other RC members. The minutes of the previous RC meeting were confirmed and the action taken reports were discussed among the members in the closed door session. Recruitment drives for Scientists were also approved in this session. In the open door session Director CSIR-CMERI presented the Director's Report, which was followed by presentations on Mission mode Projects, FTT/In-house projects.

## Innovators Meet



Dr. S.K. Deshpandey, Scientist 'G', DSIR, Prof. Harish Hirani, Director CSIR-CMERI and Dr. S.N. Shome, Chief Scientist, CSIR-CMERI at the Inaugural Session of Innovators Meet

TePP (Technopreneur Promotion Programme) Outreach cum Cluster Innovation Centre (TOCIC) of CSIR-CMERI, Durgapur, under the PRISM (Promoting Innovations in Individuals, Start-ups and MSMEs) scheme of the Department of Scientific and Industrial Research (DSIR), Government of India organized a two day 'Innovators Meet' at CSIR-CMERI, Durgapur during March 23-24, 2017. Innovators promoted by TOCIC-CMERI, as well as innovators and coordinators from different TOCICs across the country participated in the two day event to interact among themselves, to share their success stories, and also to hear from the eminent faculties in the field of entrepreneurship, finance and marketing. In his welcome address Prof. Harish Hirani, Director, CSIR-CMERI talked about the importance of innovation in taking the country forward to an industrially developed nation. Dr. S.K. Deshpande, Scientist 'G' and Head (PRISM), DSIR, who was the



Student Interaction on the occasion of Innovators Meet

Chief Guest of the inaugural session, deliberated on the different initiatives undertaken by the Govt. of India in promoting innovations. Dr. S. N. Shome, Chairperson, TOCIC-CMERI presented an overview of activities taken up by the innovation centre at Durgapur. Shri Partha Mandal, Additional General Manager, NABARD, Shri Sujoy Sen and Shri Suman Mukhopadhyay of IIMC Innovation Park and Smt. Jaba Chakraborty, Manager, SIDBI were present as resource persons and discussed on different aspects of entrepreneurship. Innovators shared with the audience the inspiring journeys in achieving their dreams. The meet concluded with a panel discussion conducted by the TOCIC coordinators and the resource persons.

## Erudite Lectures by Eminent Invited Experts



Prof. Sreebrata Goswami, J.C. Bose National Fellow, IASC, Kolkata delivering his lecture

The **Erudite Lecture Series** is being conducted as part of the CSIR-CMERI Diamond Jubilee Celebration to invite eminent Scientists, Scholars, Researchers, Engineers, Entrepreneurs and Resource Persons to CSIR-CMERI so as to share their experiences and vision for the future of mechanical engineering and allied disciplines. The first lecture was held on March 02, 2017 at M.M. Suri Hall of the Institute. Professor Sreebrata Goswami, J.C. Bose National Fellow and Senior Professor, Department of Inorganic Chemistry, IACS, Kolkata

delivered a lecture on "Variable valence states of Azo-aromatic ligands in transition metal complexes". The second and third lectures of this series took place on Wednesday, March 29, 2017 at the CSIR - CMERI Auditorium. Professor Amitabha Ghosh, Platinum Jubilee Senior Scientist of the National Academy of Sciences, India and



Prof. Asok Kumar Mallik, INSA Senior Scientist and Honorary Distinguished Professor of IEST, Shibpur delivering his lecture

Honorary Distinguished Professor of IEST, Shibpur delivered a lecture titled "Revisiting Newton's Laws: Possible Modification and Amazing Consequences". This was followed by a lecture on "Magical Mathematics of Ramanujan" by Prof. Asok Kumar Mallik, INSA Senior Scientist and Honorary Distinguished Professor of IEST, Shibpur.



Prof. Amitabha Ghosh, Platinum Jubilee Senior Scientist of the National Academy of Sciences, India and Honorary Distinguished Professor of IEST, Shibpur delivering his lecture

## Training Programme

A three day training program on Altium PCB Design Software was carried out during March 21-23, 2017. The training program was offered by Mr. N. Srikanth, Altium Designer-Authorised Trainer, Embedded Systems Solutions Pvt. Ltd., Bangalore. The focus areas were Altium Designer Environment and Editor Basics, Creation of Library Components, Schematic Capture, PCB Design and Simulation.

## Paper of the Month

**A Carrier-Based PWM Scheme for Neutral Point Voltage Balancing in Three-Level Inverter Extending to Full Power Factor Range**  
by Santu Kr. Giri, Sibaprasad Chakrabarti, Subrata Banerjee, Chandan Chakraborty  
IEEE Transactions on Industrial Electronics  
March 2017, Vol. 64, No. 3, Pages 1873-1883

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### Observance of World Down Syndrome Day

World Down Syndrome Day was observed on March 21, 2017 in the Institute to spread awareness amongst all. Dr. Swati Saha, Senior Medical Officer, CSIR-CMERI Dispensary delivered a lecture on the day.

### Management Council Meeting

The 34<sup>th</sup> Management Council Meeting of CSIR-CMERI, Durgapur was held on March 30, 2017. Special invitee Dr. S. S. Amritphale, Acting Director, CSIR-AMPRI, Bhopal and Dr. Krishendu Kundu, Principal Scientist, CSIR-CMERI-CoEFM attended the meeting through video conferencing. Prof. (Dr.) Harish Hirani, Director, CSIR-CMERI and Chairman of Management Council welcomed all in the meeting. Mr. Jay Shankar Saran, AO and Member Secretary of the MC congratulated Dr. Nagahanumaiah, Senior Principal Scientist for taking over the charge of PPD as Head. In the beginning, the proceedings of the last MC meeting held on 28.11.2016 was unanimously confirmed. Different Agenda Items related to the Institute projects approved by the Director, contract research projects, projects completed or proposed for extension, approval of terms & conditions for release / licensing of know-how, important events, etc. were placed before the MC for approval.



Dr. Swati Saha delivering lecture on World Down Syndrome Day

### Accolades

- Dr. Priyabrata Banerjee has been awarded the RSC Books Prize at the 5<sup>th</sup> Symposium on Advanced Inorganic Biological Chemistry at Kolkata held during January 7-11, 2017.
- Dr. Himadri Roy won the Chess Event in the 48th Shanti Swarup Bhatnagar Memorial Tournament (Indoor) Final held at CSIR-CIMAP, Lucknow during 03-05 March 2017.

### Additional Responsibilities

- Shri Dhananjai Rajak, Assistant (G) Gr-I (MACP) will look after the work of General Sanction as assigned by Section Officer (G) in addition to his present assignments. [OM No. 10.Adm.(18)/78-E(B) dated 09.03.2017]
- The Director, CSIR-CMERI has been pleased to decide that Dr. Abhiram Hens, Scientist, will look after the booking, upkeep and maintenance of the Institute Auditorium in addition to his existing duties. [OM No. Misc./Estt.I/2003 dated 16.03.2017]
- Dr. Sarita Ghosh, Senior Scientist has been assigned additional work in the Publication Group in addition to her existing assignments. [OM No. Misc./Estt.I/2003 dated 28.03.2017]
- Consequent upon the deputation of Dr. Pranab Samanta, Scientist and Raman Research Fellow at USA, Shri Santu Kumar Giri, Scientist, will work as Canteen In-Charge. [OM No. Misc./Estt.I/2003 dated 29.03.2017]

### Joining

Dr. Gayatri Paul has joined this Institute as SERB National Post-Doctoral Fellow with effect from 02.03.2017 (F/N) under the guidance of Dr. N.C. Murmu, Principal Scientist & Head, Surface Engineering & Technology Group. [OM No. 4/7/2017-Rct dated 21.03.2017]

### Re-arrangement of Manpower and Facilities

Keeping in view the recommendation of the committee constituted for the creation of National Manufacturing Hub and to keep focus on research by Group IV Scientists and to increase Gr.III and Gr.II manpower utilization for support and other industrial technical services, Director CSIR-CMERI has rearranged the facilities and manpower of Near Net Shape Manufacturing Group. Accordingly Shri Siddhartha Kumar, Sr. Technical Officer (3), Shri Tapan Ray, Sr. Technical Officer (1), Shri Anmol Khalkho, Technical Assistant and Shri K.L. Soren, Lab Attendant will work in Near Net Shape Manufacturing Group and Shri Adwaita Maiti, Technical Officer, Shri Anup Rajak, Technical Assistant and Shri Jagannath Bindhani, Technician (1) will work in the Advanced Manufacturing Centre (AdMaC). Facilities like ferrous & non ferrous sand casting, Rheo pressure die casting, Investment casting along with heat Treatment facilities, planned forging facility, etc. including heat treatment, pattern making, mold making, fettling, etc. shall be under the supervision and control of the Advanced Manufacturing Centre (AdMaC). [OM No. Misc./Estt.I/2003 dated 03.03.2017 and 06.03.2017]

### Committee formation

Director, CSIR-CMERI has been pleased to constitute a committee under the chairmanship of Dr. S.N. Shome, Chief Scientist, to look into the issue of papers being published in some predatory journals. [OM No. 5/84/88-Rct Vol.II dated 09.03.2017]

### Miscellaneous

- The Director, CSIR-CMERI has been pleased to approve that Shri Ranaditya Haldar and Shri Rajib Khatua, Technical Assistants will be attached with the ERP Cell. Shri Ranaditya Haldar will also look after the booking of Air Tickets of the Institute. They will report to Ms. Munmun Gupta, Section Officer and Ms. Maw Nandi Sarkar, Senior Principal Scientist will function as their Reviewing Officer. [OM No. 10.Adm.(18)/78-E(B) dated 16.03.2017]
- Shri Rajesh Prasad Barnwal, Sr. Scientist has been nominated to lead the LAB/unit and provides inputs to the Committee which has been constituted vide CSIR OM No. DGTC-IT 1/6-2016-2 dated 02.03.2017. [OM No. Misc./Estt.I/2003 dated 22.03.2017]
- Dr. S.N. Nandy, Principal Scientist was nominated as the AcSIR Coordinator of this Institute with effect from 15.03.2017 in place of Dr. S.N. Shome, Chief Scientist for a period of three years vide AcSIR, New Delhi OM No. AcSIR/4/5(1)-2017-App & HR dated 22.02.2017. [OM No. Misc./Estt.I/2003 dated 29.03.2017]