

BMBF supports new pmlIndia project for the development of research structures

Since 1st January 2011, the German Federal Ministry of Education and Research (BMBF) supports a new pmlIndia project titled "Indo-German Research Center for New Media & Green Printing". The project, which is funded within the campaign "Establishment of Joint Research Structures with Partners in the Asia Pacific Research Area" aims at establishing a modern technology and research centre for the Indian printing industry together with Indian partners.

Equipped with state-of-the-art technology, the centre shall serve as model for sustainable, energy- and resource-efficient, high quality print production. With regard to research, the project focuses on promising areas of printed electronics. Special emphasis shall be put on mass-printed photovoltaics - a technology that is very attractive for the Indian mass market. There are already several Indian partners who have shown great interest in this topic. CS

Chemnitz students for studying and internship at Manipal University

Since the beginning of January 2011, Martin Brückner, M.Sc. student of Print and Media Technology at Chemnitz University, is studying at Manipal University. Being a double degree candidate, he is currently spending his 2nd semester at our partner university in India. After he has successfully completed his studies, he will be awarded the Master of Science degrees from both universities.

On 1st March 2011, a further exchange student from Chemnitz University joined him. Claudia Döhler is doing a 4-month internship at Manipal Institute of Technology (MIT) of Manipal University within the pmTUC initiative "scholarship pool pmlIndia". Her project deals with CFD analysis of a centrifugal



air blower. The stay of both students in India is supported by the pmTUC with scholarships, which are provided by the German Academic Exchange Service (DAAD).

For more than 6 years now, the pmTUC has been working on the development of exchange programmes for its students with India. The double degree programme and scholarship pool for internships are great opportunities to gain international experience, improve language skills and learn about research and teaching methods in another country. SS

Indo-German Conference on "Printing Materials" in Mumbai

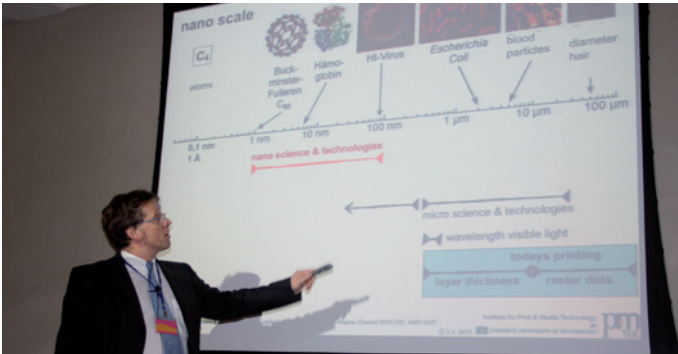


Print and technology came together on 4 and 5 March 2011 in Mumbai, India, where Indian and European print specialists gathered to discuss how their long-time expertise in providing the right solution can be leveraged on the print floor through the selection and optimum use of printing materials.

The event was organised by pmlIndia, a joint venture of the pmTUC, Chemnitz, Germany and Graphic Arts Technology and Education, Mumbai, India.

Print firms in India are seeking more revenue from the kit. In this context, the conference examined a wide variety of strategies and practices that look at paper handling, printability, substrates, coatings and varnishes, PUR gluing, eco-friendly consumables and more.

Mahesh R. Kode, Graphic Arts head, Dupont India, spoke on flexographic printing image carriers, their characteristics and effect on printability. Prof. Dr. Arved Hübler, director of the pmTUC at Chemnitz University and conference co-chairman, gave a presentation on "Nano Technology Materials". He first explained the basics and then went on to printing applications using conductive inks and further explanations on printed electronics. Anil Krishna, chief executive and general



manager of Henkel India, spoke on principles of adhesion and explained the different types of adhesives and their applications in printing and converting industries. Subhash Srivastava, managing director of K-Tech India, talked about the various ingredients of inks and toners and their influence on final print quality. The presentation of Avik Chatterjee, business manager at Arets Graphics, Singapore, was on UV coatings and inks. He explained the wettability of various substrates and pretreatments necessary to improve wettability for good coating adhesion. Naren Kalapi, chief operating officer, steering application group, TechNova Imaging Systems, spoke on lithographic printing image carriers, their characteristics and effect on printability using thermal, violet, and photopolymer plates. Kuruvilla Abraham chief operating officer chemicals, TechNova Imaging Systems, gave an overview of litho-offset printing chemicals.

At the end of the first day, a panel discussion was held under the chairmanship of Ramu Ramanathan, editor, PrintWeek India. The panelists were Aspi Forbes, director, Jak Printers, and Pankaj Shah, chairman of the R&D centre for Western India Corrugated Box Manufacturer's Association.

The 2nd day started with the presentation by Prof. Fritz Bircher, director of the Institute for Printing Technology at Bern University of Applied Sciences, Switzerland, on "Printing as a Material Deposition Process", explaining fundamentals of ink jet technology and its applications. Mr. Othmar Müller, manager-corporate training, Switzerland, and Kishor Butani, managing director, India, both from Robatech Group, spoke on "PUR Gluing Application Technology", its technical details and applications. K. Balaji, managing director at The Hindu, spoke on paper handling. He talked about waste reduction through efficient transport, storage, and handling while printing and postprinting operations and despatch. Vijay Patharkar, general manager R&D, quality control and assurance at Bilt Paper Industries, outlined the various factors affecting printability due to paper and paperboard characteristics. The presenta-

tion of Prof. Dr. Rajendrakumar, head PMA Heidelberg, on eco-friendly consumables was given by Amrutharaj Harikrishnan, application specialist at PMA Heidelberg. Kiran P. Prayagi, head pmIndia and conference chairman, covered the testing of consumables to avoid surprises in printing and finishing processes, with special emphasis on paper and paperboard. The second day was again concluded with an interactive discussion with the audience with Ramu Ramanathan as chairman and the panelists Shyamal Patnaik of Laqshya Media and Murtuza Attari of GMT.

Kiran P. Prayagi and Prof. Hübler thanked the audience, speakers, conference sponsor Arets Graphics, and support organisations Indo-German Chamber of Commerce (AHK) and Print-WeekIndia, and outlined planned activities of pmIndia. *KP*

BMBF evaluation workshop in Berlin

On 29 and 30 March 2011, Mrs. Conny Schuhmann and Mrs. Sylvia Strauß participated in the evaluation workshop of the BMBF campaign "Marketing measures in the target country India", in which the pmTUC was involved with its project "pmIndia - Linking High Potentials".

The workshop started with an informal Indian dinner to which all participants of the campaign had been invited. The workshop on the 2nd day was opened by Mr. Andreas Kirchner, BMBF, followed by a presentation on the results of the initiative by Mrs. Verena Müller (International Office of BMBF) and Birte Fähnrich (University of Leipzig). Afterwards, all participants of the marketing campaign presented the results of their projects. Mrs. Anandi Iyer, representative of the BMBF campaign in India, gave an overview about current developments in India and Mrs. Müller introduced planned Indo-German activities. Mr. Kirchner closed the workshop and thanked all involved institutions for their commitment in the campaign and congratulated them on the success of their projects. *SS*

Imprint: Institute for Print and Media Technology
at Chemnitz University of Technology [pmTUC]
Professorship Print Media Technology
Reichenhainer Straße 70
09126 Chemnitz, Germany
Phone: +49 (0)3 71/5 31 23 61 0
Fax: +49 (0)3 71/5 31 23 61 9
Editorial content: Sylvia Strauß, pmTUC (SS)
Conny Schuhmann, pmTUC (CS)
Kiran Prayagi, pmIndia Office
Mumbai (KP)
Layout: Thunk Design Co., Mumbai, India
Sylvia Strauß, pmTUC
Maria Stiehl, pmTUC

