

August 2014

Newsletter

Editor: Viji Krishnaswamy

New team members : Sritam P. Rout joined BETiC on 1 August 2014 as a Research Assistant. He comes with an B.Tech in Metallurgical Engineering, IIT BHU. He was awarded the 'Gandhian Young Technological Innovation Award' for designing a touch pad for malignant tumour detection and imaging presented at JFWT, GE innovation event.

Juilee Bhansali joined on 25 August 2014 as a Project Manager to aid strategic planning, implementation, marketing, communications and operations. She has an MS in Bioengineering from the University of Strathclyde, UK and an MBA from Weatherhead School of Management, Case Western Reserve University, USA.



Dr. Alan Finkel, Chancellor and Mr. David Pitt, Senior Vice President of of Monash University, Australia visited OrthoCAD / BETiC lab on 11 August 2014. Vikas demonstrated his X-Ray to 3D algorithm and tablet applications for orthopedic surgery planning, as well as CollabDDS teleradiology technology.



Dr. Tom Wells (Deputy Head) and Dr. Vijay Iyer (Senior Advisor) from UK Science & Innovation Network, a part of British Deputy High Commission visited the lab on 13 August 2014, ahead of a meeting in Bangalore schedule on 12 September.



Dr. Vijay Panchanadikar, an Orthopaedic Surgeon based in Pune visited the Lab on 15 August 2014, and had an elaborate discussion on a collaborative project for image-guided surgery.



A Japanese delegation from Nomura Research Institute and Denso Corporation along with their Indian partners visited the Lab on 19 August 2014 to explore partnerships combining the strengths of Japan in Quality and Automation, with Indian capabilities in Frugal Engineering and Information Technology.



Top surgeons from Hinduja Hospital, including Manish Agarwal (Ortho-Oncology), Deepraj Bhandarkar (Laparoscopist), Vivek Shetty (Orthopaedics), Rasik Shah (Paediatric), and Milind Sankhe (Neuro), Taral Nagda (Paediatric Ortho) visited the Lab on 21 August 2014 for detailed discussions on current and future projects.



About 30 students and faculty members, including Prof. Ramesh Raskar (Media Lab - Femto Camera fame) from Massachusetts Institute of Technology, USA and Tata Center for Technology and Design, India visited the Lab on 22 August 2014 as part of the collaborative initiatives with IIT Bombay.

Prof. Iqbal Rauf from NITIE visited the same day to discuss collaborative biomechanical studies.



BETiC team visited CE MAST in Mumbai on 25 August 2014, for some hands-on experience and training on laparoscopic techniques, facilitated by Dr. Suresh Deshpande.



Dr. Anvay Mulay, associated with Fortis Hospital, Mulund, visited OrthoCAD lab on 28 August 2014 to discuss about collaborating with BETiC on futuristic Cardio Thoracic Bio Medical Solutions.



In the Convocation of IIT Bombay held on 9 August 2014, Rupesh Ghyar (Senior Scientist in BETiC) received his PhD degree while Amit Maurya (Research Assistant) received his B. Tech degree.



Vikas Karade appeared on a television program 'Power of Shunya' on ET NOW, on 4 August 2014. He demonstrated 'X-Ray to 3D' program, which had earned him the 'Gandhian Young Technological Innovation Award'.

Publications: Vikas Karade's paper "Application of Laplacian Surface Deformation and self-organizing maps to calculate shape correspondence for statistical shape modeling", presented in IEEE 11th International Symposium on Biomedical Imaging, Beijing, 29 Apr-2 May 2014 appeared online.