

Program:

Tuesday, March 25th (local: Fundação CERTI)

13:30	Bus transfer to CERTI
14:00 - 17:00	Lab tours at CERTI (<i>Prof. Carlos Schneider</i>)
17:00	Coffe break and get-together

Wednesday, March 26th (local: Prédio CELTA)

09:30 - 10:00	Registration
10:00 - 10:30	Welcome address CERTI & FAU <i>Laércio Aniceto Silva (CERTI) & Tobias Zobel (FAU)</i>
10:30 - 11:00	Siemens in Brazil - Joint research and innovation <i>Fernando Narvaez, Siemens Healthcare Brazil</i>
11:00 - 11:10	Presentation of Pattern Recognition Lab <i>Prof. Dr.-Ing. Joachim Hornegger (FAU)</i>
11:10 - 11:30	„Medical Image Segmentation“ <i>Prof. Dr.-Ing. Joachim Hornegger (FAU)</i>
11:30 - 11:50	„Low Dose Tomographic Fluoroscopy: A New Method for Intervention Guidance“ <i>Prof. Dr. Marc Kachelrieß (German Cancer Research Center - DKFZ)</i>
11:50 - 12:10	„LIBRAS Sign Language Hand Configuration “ <i>Prof. Dr. Daniel Weingaertner (UFPR)</i>
12:10 - 12:30	„I'mCell: A touch pad tool for annotating cell images“ <i>Prof. Margrit Betke, PhD (Boston University, USA)</i>
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14:00 - 14:30	„Advanced 3D Image Processing with syngo.via“ <i>Manoel Nogueira (Siemens Healthcare Brazil)</i>
14:30 - 14:50	„Technical Development of Medical Devices - Product Preparation for Certification“ <i>Dr. Gustavo Donatelli (CERTI)</i>
14:50 - 15:10	„New biplane x-ray magnetic resonance image fusion prototype for 3D enhanced cardiac catheterization in congenital heart diseases“ <i>Tanja Kurzendorfer (FAU)</i>
15:10 - 15:30	„iHealth Solutions“ <i>Roque Volkmer (CERTI)</i>
15:30 - 16:30	Poster session and Coffee Break
16:30 - 16:50	„Dynamic Brain Perfusion Imaging with Interventional Flat Detector CT“ <i>Dipl.-Ing. Michael Manhart (FAU)</i>
16:50 - 17:30	„Medical devices development in emerging Countries“ <i>Dr. Manuel Steidle (CERTI)</i>

Thursday, March 27th (local: Prédio CELTA)

10:00 - 10:10	Welcome address (<i>Tobias Zobel</i>)
10:10 - 10:30	„3D tracking of single nanoparticles using interferometric scattering“ <i>Prof. Leonardo de S. Menezes (Max-Planck-Institute for the science of light)</i>
10:30 - 10:50	„Motion Compensation for Electrophysiology Procedures“ <i>Dr.-Ing. Alexander Brost (Siemens Healthcare)</i>
10:50 - 11:10	„Computer-aided diagnosis and Content-based image retrieval system“ <i>Prof. Paulo Mazzoncini de Azevedo Marques (USP)</i>
11:10 - 11:30	„Current applications of mobile CT-Scanner and its positive benefits“ <i>Michael Paa (FAU)</i>
11:30 - 11:50	„Texture recognition“ <i>Prof. Luiz Eduardo Soares de Oliveira (UFPR)</i>
11:50 - 12:10	„Lensless Imaging for Point-of-Care Testing for Neglected Tropical Diseases“ <i>Dr. Daniel Cobra (CERTI)</i>
12:10 - 12:30	„Real-Time Range Imaging in Health Care: A Survey“ <i>Prof. Dr.-Ing. Joachim Hornegger (FAU)</i>
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14:00 - 14:20	„Motion-Compensated Image Reconstruction in Flat Detector CT“ <i>Prof. Dr. Marc Kachelrieß (German Cancer Research Center - DKFZ)</i>
14:20 - 14:40	„Novel Acceleration Methods in MR-Imaging“ <i>Dr. Ralph Strecker, Siemens Healthcare Brazil</i>
14:40 - 15:00	„Decomposition of IVUS Study in Cardiac Phases“ <i>Prof. Gonzalo Masso Talou (LNCC, Rio de Janeiro)</i>
15:00 - 15:30	Coffee Break
15:30 - 16:00	„Special Session (Panel Discussion)“ <i>How do our experts see the future of new research collaborations between Germany and Brazil in the medical engineering field?</i>
16:00 - 16:30	„Award Ceremony / Closing Remarks“

Friday, March 28th (local: Siemens, Joinville, SC)

Industry Day: Participants can claim their interest for the possibility to join a tour at the new plant of Siemens in Joinville, Santa Catarina. Please make sure that you are registered for the tour (tobias.zobel@fau.de) and that you are aware of the guidelines which Siemens asks for! Also Siemens might reject an applicant due to competitor reasons.