One Day – Three Highlights

On January 18, Saxony’s Prime Minister Michael Kretschmer and distinguished visitors from Leipzig University, Leipzig University Hospital and Leipzig University of Applied Sciences were warmly welcomed at ICCAS. Prof. Andreas Melzer, Prof. Thomas Neumuth and Prof. Andreas Dietz gave an insight into the current development of state-of-the-art OR technologies and let the Prime Minister lend a hand in the research operating room. In addition, the Prime Minister was explained a robot-assisted therapy approach from the SONO-RAY project.

At the same day, approximately 90 guests attended the status seminars and listened to the exciting presentations on the research work carried out in 2017 as well as to the outlook on future tasks. The SONO-RAY project group gave a review together with the scientists of the cooperation partner OncoRay (Dresden), led by Prof. Mechthild Krause. The collaboration with the Clinics for Radiology and Nuclear Medicine of Leipzig University Hospital, the Saxonian Incubator for Clinical Translation (SIKT), the Helmholtz Center Dresden Rossendorf and the Fraunhofer IBMT was recognized.

The ICCAS status seminar was opened by Prof. Andreas Melzer and Prof. Erich Schröger, Prorector for Research and Young Academics. After the group leader’s summarized overview of all research areas, the scientists presented their achievements by means of selected live demonstrations.

The special day ended with the ICCAS advisory board meeting. Thanks to all those who participated in this event.
Successful Defenses of Doctoral Theses
At the end of 2017, Stefan Franke (MAI) and Mario Cypko (DPM) successfully defended their PhD thesis on “Modeling of Surgical Procedures and Context-Aware Assistance in the Operating Room” and “Therapy Decision Support System Using Bayesian Networks for Multidisciplinary Treatment Decisions”. Congratulations!

Launch of Joint Project
“MR Safe Flexible Biopsy Forceps”
In January 2018, the kick-off meeting of the newly launched joint project “MR Safe Flexible Biopsy Forceps for Minimally Invasive Tissue Sampling” took place in Dettingen/Erms. ICCAS’s partner of this BMBF-funded KMU-innovative project is EPflex Feinwerktechnik GmbH, which is located there.
Main goal is to research a worldwide first MR safe and flexible biopsy forceps. This should minimize the invasively and image-guided removal of tissue samples without the previous high x-ray and contrast agent exposure. ICCAS’s subproject is under the direction of Prof. Andreas Melzer and deals with fundamental research of novel MRI and x-ray markers as well as experimental set-ups for the testing of the biopsy forceps.

Cooperation talks with Gambro Dialysatoren GmbH
In January, Prof. Thomas Neumuth and Erik Schreiber visited the medical-technology company Gambro Dialysatoren in Hechingen for talks on the safety of medical products. In the future, the whole life cycle of a medical product should be determined – from the beginning of its production until the end of its use.

Idea Workshops at ICCAS
At the end of 2017, the Saxony Economic Development Corporation brought together innovative heads of the pioneering topics in the field of medical technology at ICCAS. The two idea workshops dealt with the topics “Flexible Electronics in Medical Technology for Hospitals” and “Automation and Digitalization of Routine Laboratories”. The guests also gained insights into the research work of ICCAS. The cooperation supports Saxon companies in their economic growth through product development, cooperation and export.

14th Leipzig Research Festival
On January 19, ICCAS’s young scientists presented their research at the 14th Leipzig Research Festival for Life Sciences among the 245 poster presentations in 14 categories. Erik Schreiber (DPM) was honored for his poster “Prioritized Presentation of Surgical Information to Counteract Information Overload in the Operating Room” in the category “Computer Assisted Surgery”. ICCAS is one of the promoters of this event.

“Plastics Processing Meets Medical Engineering” at ICCAS
In January, interested parties of the “Plastics Processing Meets Medical Engineering” conference visited ICCAS. Max Rockstroh presented ICCAS’s Demo-OR and discussed with the guests.
Invited Lectures at “Hospital Procurement Congress” and “InnOPlan Symposium”

At the end of last year, Prof. Thomas Neumuth held invited lectures at the 9th Hospital Procurement Congress in Berlin and at the InnOPlan Symposium at Heidelberg University Hospital. He provided information about standardized device networking of different manufacturers - the main subject of the new established OR.Net e.V.

ICCAS was exhibitor at XPOMET® Convention

March 21 - 23, 2018 | Leipzig, Kongresshalle am Zoo

ICCAS presented the unique functioning of its “Intelligent Operating Room” at this year’s XPOMET® Convention from March 21 – 23. The exhibit showed how computer models are used for the patient’s therapy. With the help of a virtual operating room and a patient phantom an endoscopic sinus surgery was performed. Barbara Klepsch - Saxony’s State Minister of Social Affairs and Consumer Protection - visited the booth during the event opening. Within the framework of the XPOMET, Prof. Thomas Neumuth held a lecture on “Medical Device Interoperability in the OR of the Future”.

PhD Workshop Future Med Technologies – Save the Date!

September 12, 2018 | Leipzig, Medical Campus, Liebigstraße

This event allows PhD students from Saxony, Saxony Anhalt and Thuringia to present their technology-related research topics and to gain information about job offers or future working environments from partners of the accompanying industrial exhibition. Workshops on scientific writing, patent issues and third-party funding extend the scientific program.

CURAC 2018 in Leipzig – Call for Papers

September 13 - 15, 2018 | Leipzig, Medical Campus, Liebigstraße

ICCAS is hosting the 17th Annual Meeting of the German Society for Computer and Robotic Assisted Surgery guided by the motto “Connected into the Future”. You are invited to submit your paper until June 1st, 2018. This event will be located in the heart of the Medical Campus of Leipzig University Hospital.

New Scientific Advisory Board Members

We warmly welcome Dr. Heinrich Kolem from Siemens Healthineers and Prof. Dr. Thomas Schmitz-Rode from RWTH Aachen University as new members of ICCAS’s scientific advisory board.

At the same time we thank Prof. Günter Rau (former chair of the Helmholtz-Institute for Biomedical Engineering at RWTH Aachen University) for his intensive support over the past years. He resigned from the scientific advisory board at the end of 2017.

Farewell

At the end of November 2017, Dr. Mario Cypko left ICCAS to face new challenges at the European Space Research and Technology Center (ESTEC) in Noordwijk (NL). He worked in the research group Digital Patient and Process Model from April 2013. Much success for the future!

UPCOMING EVENTS

Open Day at ICCAS – Register now!

June 7, 2018 | Leipzig, Semmelweissstraße 14

For the 3rd time, ICCAS opens its doors to showcase exciting exhibits of all research areas. Interested parties are cordially invited to experience our working spectrum. This event is free of charge.

DORS 2018 – Open for registration

August 27 - 31, 2018 | Leipzig, Semmelweisstraße 14

ICCAS’s 5th Digital Operating Summer School with its unique interdisciplinary interaction of medical and technical aspects will take place in August 2018. International experts meet participants from all over the world to share their knowledge about newest developments and trends in digital medicine.

Registration & Info

Minister Barbara Klepsch in a conversation with Dr. Stefan Franke at the ICCAS booth during the XPOMET® Convention.

Exhibit

Registration & Info

DORS 2018

DIGITAL OPERATING ROOM SUMMER SCHOOL

Registration & Info

Registration & Info

Information

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PEOPLE

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Prof. Andreas Melzer in the Board of HTC-Association

Prof. Andreas Melzer was appointed Chairman of the Advisory Board for Internal Affairs of the High Tech Surgery Association. The Association was founded in 2015 connecting over 9,000 professionals worldwide in their specialties to exchange and promote knowledge about advances in new surgical technology.

MEDIA

Deutsche Welle „Neue Technologie hilft bei Operationen”

Campain „Simply Saxony”
Der intelligente Operationssaal des ICCAS aus Leipzig

VACANCIES

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