

EVENTS



ICCAS-SPECIALS AT SMIT

October 10–11, 2019 | Heilbronn

ICCAS participated in this year's Congress of the International Society for Medical Innovation and Technology (iSMIT, secretary general - Andreas Melzer) with lectures, science slam presentations and a robot-demo. The slammers Johann Berger and Martin Reich amusingly showed the expert audience what is all about "The Sexiness of MRI-guided Interventions" and "Science Fiction in the OR".



The ICCAS-SMIT team in front of the robot booth.

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FUS-TOPIC AT EANM

October 12–16, 2019 | Barcelona, Spain

At the 32nd Annual Congress of the European Association for Nuclear Medicine (EANM), Andreas Melzer discussed with other experts the potential of nuclear medicine-guided Focused Ultrasound (FUS) for future medical applications.



PANEL DISCUSSION AT DIGITAL SUMMIT

October 28–29, 2019 | Dortmund

At the nationwide central platform for jointly shaping the digital change between politics, business, science and society – the Digital Summit, Thomas Neumuth exchanged information on AI-based digital platforms in research in an expert panel of industry and science.



Thomas Neumuth during his panel talk.

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ICCAS EXHIBITS AT MEDICA 2019

November 18–21, 2019 | Düsseldorf

ICCAS took part at this year's MEDICA with an exhibit on open device networking in the automated operating room at the joint booth "Research for the Future" of the universities of Thuringia, Saxony-Anhalt and Saxony. Furthermore, Thomas Neumuth talked at the MEDICA Tech Forum about device networking in the OR and clinic to become standard.



Stefan Franke at the MEDICA exhibition booth.

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NETWORKING WITH MOUNT KENYA UNIVERSITY MEDICAL SCHOOL

November 11–19, 2019 | Leipzig and Nairobi (Kenya)

In the scope of the DAAD-project "Collaboration for Entrepreneurial Universities", the Dean of Mount Kenya Medical School, Juliet Gathera visited ICCAS. The surgeon and lecturer looked over the shoulders of the scientists and got to the bottom of the structures and working methods of our research center.



Juliet Gathera with Johann Berger at ICCAS' robot lab.

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COLUMBIAN HEALTH CLUSTER VISITS ICCAS

November 21, 2019 | Leipzig

ICCAS presented its progress in computer-assisted surgery to delegates of the Bucaramanga Health Cluster from Columbia. Funding programs and work interfaces for upcoming cooperations were discussed. The visit was initiated by the international SEPT Program of Leipzig University.



THOMAS NEUMUTH SPEAKS AT SCADS.AI - KICK-OFF

November 27, 2019 | Leipzig

The national Competence Center for Big Data, ScaDS.AI in Dresden and Leipzig will be expanded into one of the German centers for Artificial Intelligence (AI), funded by the German government. At the relevant kick-off event, Thomas Neumuth presented the work topics "Medical image and data analysis".



PARTICIPATION IN ICBT AND ARCE

November 18–20, 2019 | Hannover and Bucharest (Romania)

Andreas Melzer gave a plenary lecture on "Advanced Technologies for Image-based Interventions" at the 4th International Conference on Biomedical Technology (ICBT) in Hannover. At the National Congress of the Romanian Association for Endoscopic Surgery (ARCE) in Bucharest he acted as tutor in the course "Basics of Surgical Ultrasound" and spoke on the topics "Image-Controlled, Robot-Aided, Focused Ultrasound" and "Artificial Intelligence in the OR".



CONTRIBUTIONS AT RSNA AND NCKK

Nov. 30 – Dec. 12, 2019 | Chicago (USA), Seoul (KOR)

At the Scientific Assembly of the Radiological Society of North America (RSNA) and during a stay at the National Cancer Center Korea (NCKK), Andreas Melzer presented research results of the SONO-RAY-project regarding the radiosensitization of human cancer cells in vitro with focused ultrasound induced hyperthermia.

RESEARCH



KICK-OFF PROJECT MOMENTUM

November 07, 2019 | Leipzig

The partners of the newly launched joint project "Mobile Medical Technology for Integrated Emergency Care and Accident Medicine" (MOMENTUM) had a first meeting at ICCAS. Goal is the delivering of current patient data from the accident location to the emergency department of the hospital. The project is founded by the Federal Ministry of Education and Research (BMBF) with 2.5 million Euros. Thomas Neumuth is principal investigator.



The MOMENTUM partners during the kick-off meeting in Leipzig.
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MPM – PROJECT START

December 01, 2019 | Leipzig

In December, ICCAS launched the project "Models for Personalized Medicine (MPM)". The aim is to create a scientific-methodological basis for future model-based, personalized cancer treatments in close cooperation with regional industry partners and clinical users. The research is funded by the BMBF with 3.3 million Euros. Principal investigator is Thomas Neumuth.



CLAIRE CHALOPIN ADVISES SANO RESEARCH CENTRE

November 25–27, 2019 | Krakow, Poland

Claire Chalopin was appointed to the scientific advisory board of the newly founded "Sano Centre for Computational Personalised Medicine" in Krakow. At the kick-off meeting she presented her working experiences in the cooperation with physicians, especially in the development of non-invasive intraoperative imaging techniques for surgery.



RESULT PRESENTATION OF THE MOVE PROJECT

December 11, 2019 | Leipzig

The partners of the BMBF-funded project "Modular Test and Validation Environment for Networked Medical Technology" (MoVE) met in Leipzig for the final result presentation. This included concepts behind a modular test platform for networked medical devices, the current state of standardization and strategies for the approval. The results are of particular interest to the vendors of medical devices and for testing facilities.

PUBLICATIONS



Listing of all publications from 2019 available under:

<https://www.iccas.de/en/publikationen/>

JOB OFFERS



Listing of all actual job offers under:

<https://www.iccas.de/stellenangebote/?lang=en>

UPCOMING EVENTS



INVITATION TO THE ICCAS STATUS SEMINAR

January 22, 2020 | Leipzig

We cordially invite to our next public status seminar. The scientists will report on their achievements and activities of the year 2019 and show significant research developments during live presentations.

[Link to information and free registration](#)



THE ICCAS TEAM WISHES
A MERRY CHRISTMAS
AND A PLEASANT AND
HEALTHY NEW YEAR 2020!
THANK YOU FOR THE
SUCCESSFUL YEAR 2019!

GEFÖRDERT VON



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