

HIGHLIGHT

Gaining experiences at ICCAS Summer School August 26 – 30, 2019 | Leipzig

15 participants from 5 nations took part in the intensive training course of ICCAS 6th Digital Operating Room Summer School (DORS), accredited with 33 European CME-Credits (EACCME®). They experienced a great week with a daily mix of lectures and workshops on computer-guided medical assistants and their use in operating rooms directly from the user perspective. Social events completed the program. ICCAS thanks all involved clinical committee members for their great support and is already looking forward to the next DORS, taking place from September 7 to 11, 2020.

[DORS website](#)



Impressions of DORS 2019
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EVENT TICKER

Public Relations Saxonian EU Liaison officer visits ICCAS July 19, 2019 | Leipzig

Kai Ahlborn, head officer for science, research and culture at the Saxony EU Liaison Office visited ICCAS to discuss support options at the European level. He informed himself about ICCAS projects to make them more visible in the EU.



Kai Ahlborn and Dr. Stefan Franke in ICCAS Intelligent OR.
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Networking Researchers from Gifu University on ICCAS exploratory tour

August 29, 2019 | Leipzig

A research delegation from the Medical Education and Research Center of Gifu University (Japan) in company of PD Dr. med. Daisy Rotzoll, Medical Director of the new Leipzig LernKlinik were introduced to several ICCAS projects.



Daisy Rotzoll and a Japanese delegation in ICCAS's Intelligent OR.
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Conference New MR-guided FUS heating system presented at CIRSE September 7 – 11, 2019 | Barcelona, Spain

The SONO-RAY group presented research results on targeted FUS heating with MRI based temperature control at this year's CIRSE Conference. The measurements were carried out with a new preclinical FUS system.

Networking Prof. Melzer on Mars Mission September 17, 2019 | Bologna, Italy

Andreas Melzer presented the application advantages of Focused Ultrasound (FUS) and High Intensive Focused Ultrasound (HIFU) for possible Mars missionaries at the European Space Agency (ESA) meeting.



Andreas Melzer and participants of the ESA meeting.
© ICCAS

Conference

ICCAS presents research topics at CURAC

September 19 – 21, 2019, Reutlingen

Research results presented from ICCAS scientists at this year's CURAC concerned the following areas: robotic positioning, intraoperative hyperspectral imaging, dynamic user interface and workflow design prototype.

Conference

Computer assisted surgery – curse or blessing?

September 19 – 21, 2019 | Hamburg

At the German Urology Congress (DGU) Andreas Melzer spoke about MR-guided Focused Ultrasound as an option for prostate cancer treatment and discussed the question: Computer assisted surgery – curse or blessing?

Symposium

Prof. Neumuth at D-NOTES 2019

September 13, 2019 | Hannover

At the Annual Symposium of the German NOTES-working group, Thomas Neumuth talked about surgical workflows in operating rooms. The event promotes technical innovation in endoscopy and surgery and the collaboration between engineers and physicians.

[Programm](#)

Projects

Milestone meeting in project IMPACT

September 18, 2019 | ICCAS, Leipzig

All project partners and the project funder met to discuss about the progress of the IMPACT project. The integration process of all components was discussed and the first pre-clinical studies were prepared.



Participants of the IMPACT milestone meeting.
© ICCAS

EU-project initiative

Thomas Neumuth on the road for Regions4PerMed

September 23 – 24, 2019 | Milan, Italy

The ICCAS vice director enriched the Regions4PerMed international workshop on Big Data, Electronic Health Records and Health Governance. With the help of this EU-project digital technologies should reform the healthcare system.

Symposium

20 years of MITI

September 06, 2019 | Munich

The research group for Minimally Invasive Interdisciplinary Therapeutic Intervention (MITI) of the TU Munich celebrated its 20 years anniversary. Thomas Neumuth moderated the dedicated scientific symposium on Interdisciplinarity for Interventional Medicine 4.0.

Conference

BMT 2019 with preview on BMT 2020 in Leipzig

September 25 – 26, 2019 | Frankfurt a. M.

ICCAS presented its various research topics in ten contributions at this year's Conference on Biomedical Engineering (BMT) and aroused curiosity for the upcoming annual conference in Leipzig. Thomas Neumuth presented the new Expert Committee for Model-based Medical Technology.



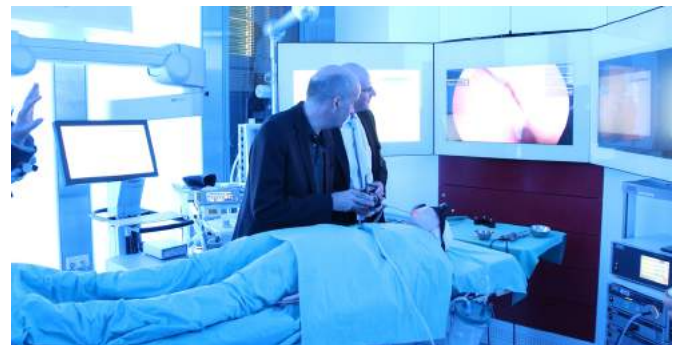
Andreas Melzer presents the „Leipzig Model“ of BMT 2020, which will involve many clinicians in the program. ©VDE Technology Association

Visit

Director of new „Agentur für Sprunginnovation“ at ICCAS

September 2019 | ICCAS, Leipzig

Rafael Laguna de la Vera, founding director of „Agentur für Sprunginnovation“ recently visited the ICCAS. The agency was founded by the German government to help disruptive innovations „Made in Germany“ to break through.



Rafael Laguna de la Vera testing ICCAS's Intelligent OR.
© ICCAS

Discuss about AI against cancer

October 7, 2019 | Leipzig University Hospital, Atrium

Pediatric Clinic

ICCAS was selected to host the BMBF event „Artificial Intelligence (AI) and robotics in medicine“. The experts Prof. Peter Dabrock (FAU Erlangen-Nuremberg, German Ethics Council), Prof. Florian Lordick (UCCL) and Prof. Thomas Neumuth (ICCAS) discussed possibilities, ethic questions and problems with AI and robotics in medicine. The event took place within the framework of the Science Year of the Federal Ministry of Education and Research.

[Information](#)



RESEARCH



New project

Joint project AutoCuff

Funding: Federal Ministry of Economics and Technology (BMWi) – Central Innovation Program for SMEs (ZIM)

The project deals with the development of a fully automated and digitized medical system consisting of cuff suction device and cuff controller for tracheostoma care with a complete documentation and evaluation of the course of treatment. ICCAS's industrial partner is the ASSKEA GmbH.



New project

Joint project CURE-OP

Funding: Federal Ministry of Education and Research (BMBF)

The aim of the project is to develop the first commercially available high intensity focused ultrasound platform specifically designed for combinational cancer therapy.

[Link](#)



New project

Joint project MOMENTUM

Funding: Federal Ministry of Education and Research (BMBF)

In this project, suitable concepts for the continuous integration of innovative networking technologies in emergency care and accident medicine will be developed and evaluated to improve treatment processes from the place of use to the hospital. ICCAS is the project coordinator.

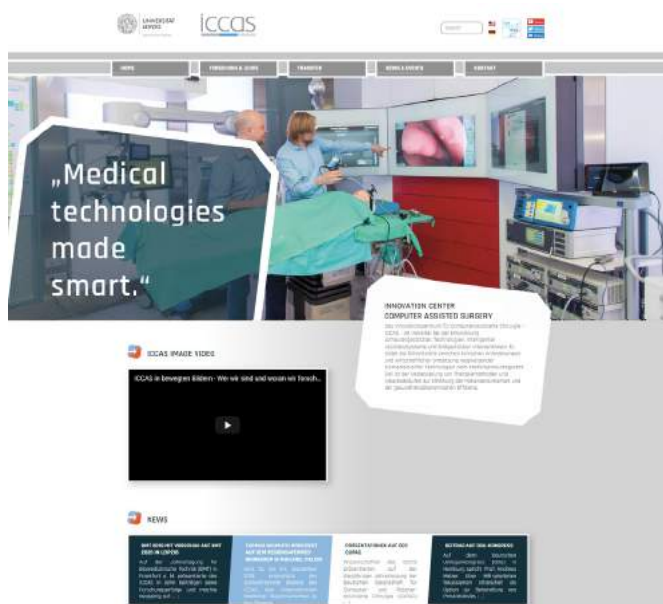
[Link](#)



New website online

ICCAS presents itself in a new design

Recently the new design of the ICCAS website is online. With the new responsive design it is now also possible to view the web pages adapted on mobile devices. We are looking forward to your visit and hope you enjoy browsing the new site.



UPCOMING EVENTS



Open networked medical devices at MEDICA

November 18 – 21, 2019 | Düsseldorf

The completion of the new standard IEEE11073-SDC family opens up new networking opportunities for medical device manufacturers. At the MEDICA 2019, ICCAS presents applications of open networking of medical devices and their validation using a modular test platform.



ICCAS Status Seminar – Save the Date!

January 23, 2020 | ICCAS, Leipzig

ICCAS Status Seminar will take place on January 23 2020. We invite all interested parties to visit our research center and get to know our latest presentations and scientific achievements.

[Informationen](#)

MEDIA



Video

GMDS Video of ICCAS research topics

Thomas Neumuth presents the ICCAS Intelligent OR for the new series 'Hightech from Leipzig – Computer Assisted Medicine' of the German Association for Medical Informatics, Biometry and Epidemiology (GMDS) e. V.

[Link](#)



GEFÖRDERT VON



IMPRINT

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