

DRESDEN CLINICAL AI DAY

CLINICAL
HOTSPOT
DRESDEN



12TH APRIL 2024, MTZ UKD DRESDEN

Program

Further
information



10:00 – 10:15 | Welcome

- Prof. Stefanie Speidel / Prof. Jakob N. Kather
- Prof. Dr. med. Dr. Esther Troost (Dean of MFD/TUD)
- Prof. Dr. med. D. Michael Albrecht (CEO at UKD)

15:45 – 16:30 | Panel Discussion

- Needs, Impact and Opportunities of Clinical AI Hotspot Dresden
- Transforming medicine by AI

10:15 – 11:30 | Impulse: Clinical AI Hotspot Dresden – Insights and Research Perspectives

- Prof. Marius Distler: AI-supported Surgical Skill
- Dr. med. Jan M. Middeke: AI for Improved Diagnosis
- Lisa-Marie Lüneburg: veiiio's AI-based Approach
- Dr. Anna Poetsch: Deciphering the Genetic Code
- Dr. med. Marie-Elisabeth Leßmann: LLM
- Prof. Martin Wagner: ML in Surgical Assessment

16:30 – 17:00 | Free Networking with Coffee & Demos

~::~ End of Program ~::~

Interactive Demos during Breaks

→ EndoMersion: Remote Testbed for Robotic-Assisted Surgery



→ ARAILIS: AI-based Assistance System for Liver Surgery



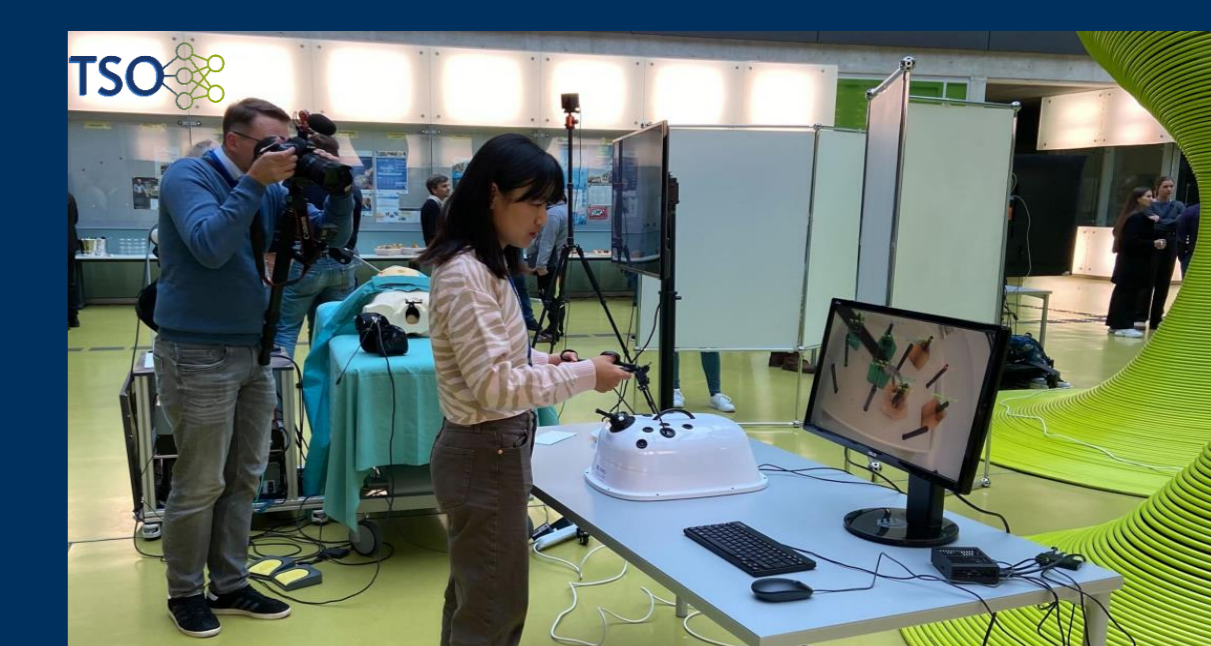
11:30 – 12:00 | Coffee-Break & Demos

12:00 – 13:00 | Resume of BMG-Sponsored Projects

- SMWK Head of Division Dr. Werner: KISN AI from Saxony
- BMG Head of Division 511 Mr. Schneider: Digital Policy
- Prof. Stefanie Speidel: BMG-Project SurgOmics
- Prof. Jakob N. Kather: BMG-Project DEEP LIVER

→ Annotator VS. AI: AI-based Annotation Training Program

→ Surgical Box-Trainer: Simulation of Laparoscopic Operations



13:00 – 14:30 | Lunch-Break & Demos

14:30 – 15:15 | Impulse: Clinical AI Hotspot Dresden – Generating a Supporting Framework

- Prof. Stephen Gilbert: Regulatory Challenges
- Prof. Martin Sedlmayr: Interoperability and data



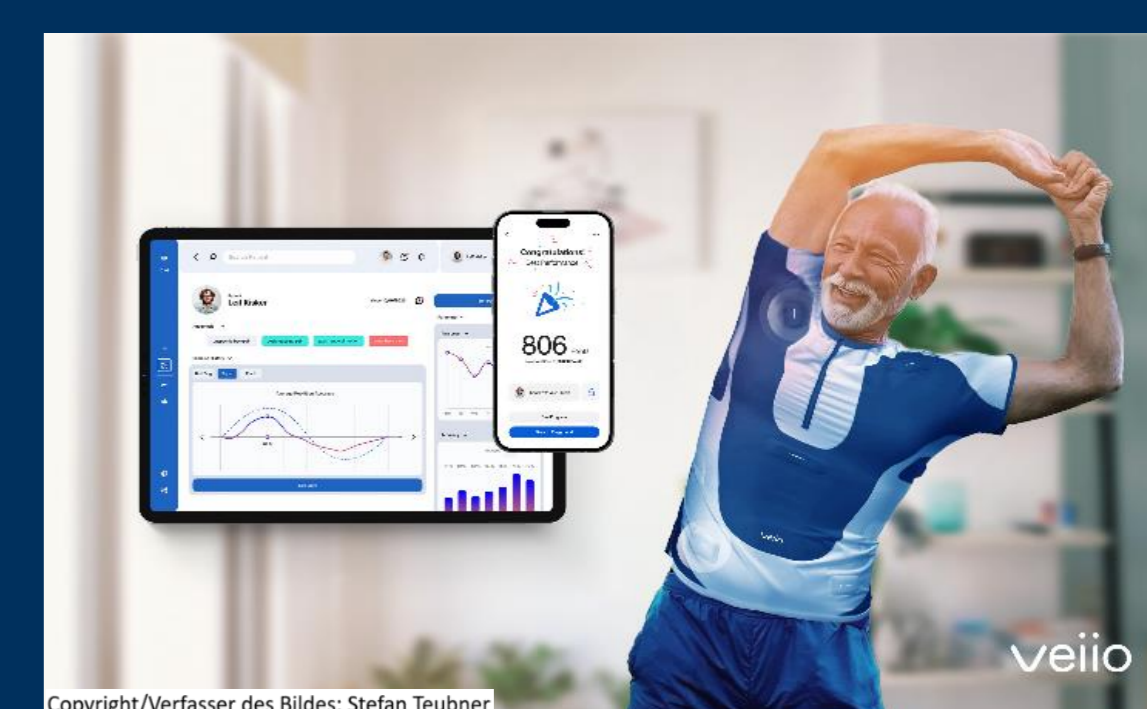
→ SurgOmics AI Wagon: Live Processing of Laparoscopic Video Data Using ML

15:15 – 15:45 | Keynote

- Priv.-Doz. Dr. med. Dipl.-Phys. Daniel Truhn: Artificial Intelligence – the Beauty and the Beast

→ EKFZ & KatherLab: Research Activities on Digital Health & Clinical AI

→ veiiioSense: AI-supported Digital Physiotherapy Assistant



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