

Program IGSSE Martini Colloquium

18 November 2022



3:30 PM

Welcome & Coffee

Prof. Katrin Wudy

(Assistant Professorship of Laser-based Additive Manufacturing)

4:00 PM

Keynote

Prof. Julia Yamnenko

(Chair of Transportation Systems Engineering)

Modern Traffic Management

4:45 PM

IGSSE Project Team Presentations, Part I

- Prof. Nassir Navab
(Department of Informatics, JADS 2001 | RoboticCatheter)
Non-fluoroscopy-based robotic catheter manipulation and tracking based on machine learning, bioelectrical localization and robotics
- Prof. Dimitrios Karampinos
(Department of Diagnostic and Interventional Radiology, JADS 2002 | MoCoQ)
Motion-Corrected Quantitative Body MRI
- Prof. David Franklin
(Department of Sport and Health Sciences, JADS 2004 | HumanRobotics)
Human not monkey robotics: neuro-inspired object manipulation with dextrous hands

5:45 PM

1st Poster Session & Refreshments

6:15 PM

**IGSSE Project Team Presentations,
Part II**

- Prof. Klaus Drechsler
(*Department of Aerospace and Geodesy, JADS 2005 | SMILE*)
Sensory Motor Interface for Lower extremity Exoskeletons
- Prof. Harald Oberhofer
(*Chair of Theoretical Chemistry, 14.06 | SPECIFIC*)
Structure and Properties of Electrochemical Interfaces from First-Principles Calculations

7:15 PM

2nd Poster Session & Get-together