

Bio Tamás Haidegger

Tamás Haidegger received his M.Sc. degrees from the Budapest University of Technology and Economics (BME) in Electrical Engineering and Biomedical Engineering in 2006 and 2008, respectively. His Ph.D. thesis (2011) was based on a neurosurgical robot he helped developing when he was a visiting scholar at the Johns Hopkins University. His main field of research is control/teleoperation of surgical robots, image-guided therapy and supportive medical technologies. Currently, he is an adjunct professor at the Óbuda University, serving as the deputy director of the Antal Bejczy Center for Intelligent Robotics. Besides, he is a research area manager at the Austrian Center of Medical Innovation and Technology (ACMIT), working on minimally invasive surgical simulation and training, medical robotics and usability/workflow assessment through ontologies.

Tamás is the co-founder and CEO of a university spin-off—HandInScan—focusing on objective hand hygiene control in the medical environment. They are working together with Semmelweis University, the National University Hospital Singapore and the World Health Organization.

Tamás is an active member of various other professional organizations, including the IEEE Robotics and Automation Society, IEEE EMBC, euRobotics aisbl and MICCAI. He is a national delegate to an ISO/IEC standardization committee focusing on the safety and performance of medical robots. He has co-authored more than 130 peer reviewed papers published at various scientific meeting and conference proceedings, refereed journals and books in the field of biomedical/control engineering and computer-integrated surgery. He has been maintaining a professional blog on medical robotic technologies for over 8 years: surgrob.blogspot.com. Tamás is a passionate photographer, rock climber and an advocate of city-biking.

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