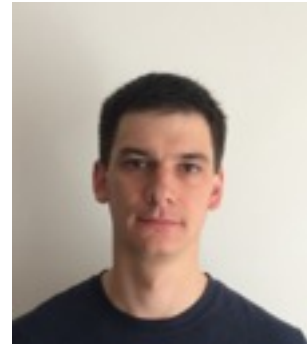


Dénes Ákos Nagy MD

(+36) 30/405-9540
ndenes@gmail.com



Personal

Date of Birth: May 3, 1989
Nationality: Hungarian
Address: Budapest, Csillagvizsgáló Str. 6. H-1121

Field of Interest

Computer driven medicine, Medical robotics, Computer Integrated Surgery, Telesurgery, Surgical skill assessment, Image guided surgery, Medical image processing

Experience

JUNIOR RESEARCH FELLOW AT **2015 - PRESENT**
ANTAL BEJ CZY CENTER FOR INTELLIGENT ROBOTICS, ÓBUDA UNIVERSITY

- Computer Integrated Surgery
- Minimally Invasive Surgery
- Surgical Robotics

Supervisors: Tamás Haidegger, Ph.D.

RESEARCHER, CHILDREN'S NATIONAL HOSPITAL, WASHINGTON, DC **2013 - 2014**

- Medical image analysis
- Medical navigation systems

Supervisors: Ziv Yaniv Ph.D., Kevin Cleary, Ph.D.

STUDENT RESEARCHER, SEMMELWEIS UNIVERSITY **2011 - 2015**
DEPARTMENT OF SURGICAL RESEARCH AND TECHNIQUES

In cooperation with:
Budapest University of Technology until 2013
Obuda University iRobotics laboratory until 2015

- Medical robotics
- Telesurgery
- 3D tracking for surgical skill assessment

Supervisors: Tamás Haidegger, Ph.D., Prof. Dr. György Wéber

Business and Work Experience

MEDICAL DOCTOR, **SZT. IMRE HOSPITAL,** **BUDAPEST** **2016 - PRESENT**
Emergency department

PROGRAMMER, **FEMTOCINCS LTD,** **BUDAPEST** **2013 - 2014**
Control software development for 2-photon microscopes

Education

ÓBUDA UNIVERSITY **PHD STUDENT** **2015 - PRESENT**
Antal Bejczy Center for Intelligent Robotics
• Surgical robotics
Supervisor: Tamás Haidegger Ph.D.,
Prof. Dr. Imre J. Rudas

SEMELWEIS UNIVERSITY **MEDICAL DOCTOR** **MD** **2015**
PÁZMÁNY PÉTER CATHOLIC UNIVERSITY **COMPUTER ENGINEER** **BSC** **2012**

Other Scholarships

SURGERY SUMMER PRACTICE **SOFIA, BULGARIA** **2012**
INTERNAL MEDICINE SUMMER PRACTICE **YOGYAKARTA, INDONESIA** **2011**

Volunteering

DRUG PREVENTION LECTURES FOR HIGH SCHOOL STUDENTS **2011-2012**

Selected Publications

D. Á. Nagy, Á Takács, I.J. Rudas & T. Haidegger „The CALap System—A Low-Cost Lightweight Robotic Arm for Laparoscopic Camera Handling ICRA” *In Proc. of the IEEE International Conference of Robotics and Automation (ICRA)*, Seattle, WA. pp. 1-5

D. Á. Nagy, T. Haidegger & Z. Yaniv, „A Framework for Semi-Automatic Fiducial Localization in Volumetric Images,” *Proc. of the 9th MICCAI Workshop on Augmented Environments for Computer-Assisted Interventions (AE- CAI)*, LNCS 8678, Boston, MA, pp. 138–148, 2014.

Language

ENGLISH (C1), GERMAN (B2)