

Curriculum Vitae

Surname: Wucherer
Name: Patrick
Date of birth: 26.02.1983
Citizenship: German, Luxembourgian
E-Mail: p.wucherer@mytum.de
Website: <http://campar.in.tum.de/Main/PatrickWucherer>



Institute: Trauma Surgery Department, Klinikum München
Ludwig-Maximilians-Universität München (LMU)
NARVIS Laboratory
Street: Nußbaumstraße 20
Postal code: 80336
City: Munich
Phone: +49 (0) 89 5160 4368

Address at University: Institut für Informatik / I-16, Technical University of Munich (TUM)
Street: Boltzmannstraße 3
Postal code: 85748
City: Garching b. München

Qualification

Studies: Diplom Informatik, Nebenfach Theoretische Medizin
Prediploma: September 2005 - Albert-Ludwigs-Universität Freiburg
Graduation: April 2010 – Technical University of Munich
Expertise: C/C++, C#, GLSL, HLSL, Java, JavaScript, HTML, XHTML, ActionScript, PHP, MySQL, Haskell, Fortran, Qt, MatLab, Mathematica, IDL, XML, Visual Basic, WPF, Python, Ruby, Haml, Ruby on Rails

Employments (from – until)

2004 – 2005 Research assistant, Institut für angewandte Festkörperphysik, Freiburg
2005 – 2007 Research assistant, Klinik und Poliklinik für Psychosomatische Medizin (TUM)
2007 Tutor for discrete probability theory (TUM)
2008 – 2010 Research assistant, Computer Aided Medical Procedures chair (TUM)
2010 – Scientific researcher, Trauma Surgery Department – Klinikum München (LMU)

Career (from – until)

Schooling (1993 - 2002): Willstätter Gymnasium Nürnberg

- Main subjects: French, social studies and history, physics, geology, maths

Civilian service (November 2002 - July 2003): Institut für Medizinische Mikrobiologie Regensburg

Academic career (September 2003 - September 2005): Albert-Ludwigs-Universität Freiburg

Academic career (September 2005 - September 2007): Technical University of Munich

Academic career (September 2007 - September 2008): University of Arizona

Academic career (September 2008 - September 2010): Technical University of Munich

Academic career (since October 2010): Ph.D. at Computer Aided Medical Procedures chair (TUM)

Certificates

- Certified Advanced SCRUM Master

Research interests

- Medical Augmented Reality
- Image Processing
- Deformable Registration
- 3D Deformable Objects Real-Time Simulation
- Human Computer Interaction
- Medical Team Training
- Medical Education
- Haptics
- Medical Simulators for Educational Purposes

Publications

- P. Wucherer, P. Stefan, S. Weidert, P. Fallavollita, and N. Navab
Task and crisis analysis during surgical training
International Journal CARS, Springer Berlin Heidelberg, 2014
- P. Wucherer, P. Stefan, S. Weidert, P. Fallavollita, N. Navab
Development and procedural evaluation of immersive medical simulation environments
The 4th International Conference on Information Processing in Computer-Assisted Interventions (IPCAI), Heidelberg, Germany, June 26, 2013
- P. Wucherer, C. Bichlmeier, M. Eder, L. Kovacs, N. Navab
Multimodal Medical Consultation for Improved Patient Education
Proceedings of Bildverarbeitung fuer die Medizin (BVM 2009), Aachen, Germany, March 2009