

T. Tuan Nguyen

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Education

- 2014- PHD candidate in Computer Science, [DTU](#), Denmark
- 2012-2014 MSc in Mechanical Engineering, [KAIST](#), Korea
- 2005-2010 BS in Mechanical Engineering, honor program, [HUST](#), Vietnam

Experiences

- Now PHD research: Deformable mesh and applications
- 2015 Teaching assistant — [DTU](#)
 - Introduction to C++ programming
 - High performance computing (OpenMP and CUDA)
- 2014 Research assistant, School of Computing, [NUS](#), Singapore
 - Mesh decomposition and transformation to another object.
- 2012-2014 MSc thesis: Computer simulation of endoscopy, a medical procedure
- 2010-2012 Offshore developer, Sony Digital Network Application Inc., Vietnam
 - Upload controller: Upload media from camera to social network
 - [Image converter](#): Organize, convert and edit RAW photos
 - [360 viewer](#): Convert donut movies to panorama movies

Publications

- 2016 T. Tuan Nguyen, V. Andersen Dahl and J. Andreas Bærentzen. “Multiple-phase Image Segmentation with Deformable Mesh using the Mumford-Shah Model”, submitting.
- 2013 T. Tuan Nguyen, Myeongjin Kim, and Doo Yong Lee. (2013). “A Hybrid Contact Model for Cannulation Simulation of ERCP”, *Medical Meets Virtual Reality 21*.
- 2013 T. Tuan Nguyen, Hoeryong Jung, Myeongjin Kim, and Doo Yong Lee. (2013). “A Method for Generating Cut Surface in Surgery Simulation”, *International Conference on Control, Automation and Systems*

Skills

PROGRAMMING (years): C++ (8), Visual Studio (5), OpenGL (5), Matlab (5), X-Code (4), Objective-C (2), Auto CAD (4), Git (2), SVN (2), Maya (1).
KNOW-HOW (years): Geometry processing (4), deformable object (2), optimization (2), parallel computing (2), software engineering processes (2).
LANGUAGES: English (fluent), Vietnamese (native).