

# Omri Azencot

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## EDUCATION

**Ph.D. candidate (direct track), Technion – Israel Institute of Technology**

Department of Computer Science

Advisor: Asst. Prof. Mirela Ben-Chen

**Bachelor of Science, Technion – Israel Institute of Technology, 2010**

Majors: Mathematics and Computer Science

## RESEARCH EXPERIENCE

**Center for Graphics and Geometric Computing (CGGC), Technion**

Research Assistant, October 2011–present

Works on projects related to computer graphics and geometry processing

## PUBLICATIONS

*Consistent Functional Cross Field Design for Mesh Quadrangulation.* O. Azencot, E. Corman, M. Ben-Chen and M. Ovsjanikov. *ACM Transactions on Graphics (Proc. SIGGRAPH)*, 2017

*Functional Thin Films on Surfaces.* O. Vantzos, O. Azencot, M. Wardetzky, M. Rumpf and M. Ben-Chen. *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, 2016

*Advection-based Function Matching on Surfaces.* O. Azencot, O. Vantzos and M. Ben-Chen. *Computer Graphics Forum (Proc. SGP)*, 2016

*Functional Thin Films on Surfaces.* O. Azencot, O. Vantzos, M. Wardetzky, M. Rumpf and M. Ben-Chen. *Proc. ACM SIGGRAPH/Eurographics SCA*, 2015. **Best paper award (one of three)**

*Discrete Derivatives of Vector Fields on Surfaces – An Operator Approach.* O. Azencot, M. Ovsjanikov, F. Chazal and M. Ben-Chen. *ACM Transactions on Graphics*, 2015

*Functional Fluids on Surfaces.* O. Azencot\*, S. Weißmann\*, M. Ovsjanikov, M. Wardetzky and M. Ben-Chen (\* Equal contribution). *Computer Graphics Forum (Proc. SGP)*, 2014

*An Operator Approach to Tangent Vector Field Processing.* O. Azencot, M. Ben-Chen, F. Chazal and M. Ovsjanikov. *Computer Graphics Forum (Proc. SGP)*, 2013

*Map-Based Exploration of Intrinsic Shape Differences and Variability.* R. M. Rustamov, M. Ovsjanikov, O. Azencot, M. Ben-Chen, F. Chazal and L. Guibas. *ACM Transactions on Graphics (Proc. SIGGRAPH)*, 2013

## AWARDS

Marie Skłodowska-Curie Actions Seal of Excellence, 2017

Adams Conference Poster Competition Prize, 2nd place, 2017

Faculty of Computer Science Excellence Scholarship, Spring 2016

Prof. Rahamimoff Travel Grant for Young Scientists of the US-Israel Binational Science Foundation (BSF), 2016

Faculty of Computer Science Excellence Scholarship, Spring 2015

Adams Fellowship Program of the Israel Academy of Sciences and Humanities, 2015

Jacobs–Qualcomm Fellowship, 2014

TCE Research Prize for Students, 2014

Faculty Research Day Poster Competition Prize, 2nd place, 2014

Faculty of Computer Science Excellence Scholarship, Winter 2013

## PROFESSIONAL SERVICE

*Reviewer:* SIGGRAPH 2016, Eurographics 2016.

## TEACHING EXPERIENCE

**Teaching Assistant**, Technion, Vector Field Analysis on Surfaces, Spring 2017, Winter 2015

**Teaching Assistant**, Technion, Digital Geometry Processing, Winter 2016, Spring 2015

**Teaching Assistant**, Technion, Computer Graphics, Spring 2016, Winter 2014

**Teaching Assistant**, Technion, Image Synthesis, Winter 2013

**Teaching Assistant in charge**, Technion, Operating Systems, Winter 2012, Spring 2013/2014

**Teaching Assistant**, Technion, Operating Systems, Spring 2012

**Teaching Assistant**, Technion, Introduction to Computer Science M, Winter 2011

## WORK EXPERIENCE

**Computer Graphics Lab, ETH**, Software Intern, February–March, 2013

Developed and Implemented a gaze correction Skype plugin designed for video conferencing

**Elbit Systems LTD.**, Software Engineer, May 2010–May 2011

Developed and implemented a BSP for a line of router products

**Elbit Systems LTD.**, Programmer (student position), February 2007–April 2010

Worked in a BSP team on projects related to real time systems