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USA

Ran Gal - CURRICULUM VITAE

Personal Information

- Born: 1969, ISRAEL
- Citizenship: Israeli
- Homepage: <http://research.microsoft.com/~rgal>

Education

2006-2011 PhD. Tel-Aviv University Israel

Field of study: Computer Science.

- Supervisor: Prof. Daniel Cohen-Or
- Thesis Field: Computer Graphics

2001-2006 M.Sc. Tel-Aviv University Israel

Field of study: Computer Science. *Summa cum laude.*

- Supervisor: Prof. Daniel Cohen-Or
- Thesis Field: Computer Graphics

1990-1994 B.Sc. Bar-Ilan University Israel

Majors: Mathematics & Computer Science. *Cum laude.*

Publications

Ran Gal, Yonatan Wexler, Eyal Ofek, Hugues Hoppe and Daniel Cohen-Or
Seamless Montage for Texturing Models
Computer Graphics Forum (Eurographics), 29(2), 479-486, 2010.

Ran Gal, Olga Sorkine, Niloy J. Mitra and Daniel Cohen-Or
iWIRES: an analyze-and-edit approach to shape manipulation
ACM Transactions on Graphics, 2009, Vol. 28(3) (SIGGRAPH)

Ran Gal, Ariel Shamir, Tal Hassner, Mark Pauly and Daniel Cohen-Or
Surface Reconstruction using Local Shape Priors
Eurographics Symposium on Geometry Processing, 2007, p. 253-262.

Yaron Lipman, David Levin, Ran Gal and Daniel Cohen-Or
Volume and Shape Preservation via Moving Frame Manipulation
ACM Transactions on Graphics, 2006, Vol. 26(1)

Ran Gal, Olga Sorkine, Tiberiu Popa, Alla Sheffer and Daniel Cohen-Or
3D Collage: Expressive Non-Realistic Modeling
Proceedings of the 5th international symposium on Non-photorealistic animation and rendering, 2007, p. 7-14.

Ran Gal, Ariel Shamir and Daniel Cohen-Or
Pose-Oblivious Shape Signature
IEEE Transactions on Visualization and Computer Graphics, 2007, p. 261-271

Ran Gal, Olga Sorkine, Tiberiu Popa, Alla Sheffer and Daniel Cohen-Or
Non-realistic expressive modeling
ACM SIGGRAPH 2006, Technical Sketches

Daniel Cohen-Or, Olga Sorkine, Ran Gal, Tommer Leyvand and Ying Qing Xu
Color Harmonization
ACM Transactions on Graphics, 2006, Vol. 25(3) (SIGGRAPH), p. 624-630

Ran Gal, Olga Sorkine and Daniel Cohen-Or
Feature-aware texturing
Proceedings of Eurographics Symposium on Rendering, 2006. p. 297-303.

Ran Gal and Daniel Cohen-Or
Salient Geometric Features for Partial Shape Matching and Similarity
ACM Transactions on Graphics, 2006. Vol. 25(1), p. 130-150.

Ariel Shamir, Daniel Cohen-Or, Ran Gal, and Lior Shapira.
The local diameter shape function
Proceedings of the Israel-Korea Bi-National Conference, 2005, p. 50-55.

**Talks at
conferences and
seminars**

Eurographics 2010, Norrköping, Sweden, May 2010
ACM SIGGRAPH 2009, New Orleans, USA, August 2009
VisTec - Microsoft Research, Redmond, USA, August 2009
Microsoft Research, Redmond, USA, August 2008
ACM SIGGRAPH 2006, Boston, USA, August 2006
AMoRe Seminar, University of British Colombia, Vancouver, Canada, July 2006
Eurographics Symposium on Rendering, Cyprus, June 2006
Central Israel SIGGRAPH Professional Chapter, Tel Aviv University, June 2006
Fundamentals of Virtual Reality and Medical Applications. Interdisciplinary
Center, November 2004

Other activities

ACM SIGSPATIAL GIS Conference's program committee member, 2011.

Aug-Oct 2009. Internship at Microsoft Research Redmond in the Interactive
Visual Media group, working with Johannes Kopf and Michael Cohen.

Aug-Oct 2008. Internship at Microsoft Research Redmond in the Computer
Graphics group, working with Hugues Hoppe. Development of new method to
texture 3D models from images.

Aug-Oct 2005. Internship at Microsoft Research Asia/China in the Internet
Graphics group, working with Baining Guo. Development of new method to
increase the harmonic relationship of colors in digital images.

Patents

MS# 331640.01 filed on 4/29/2011: Automated Fitting Of Interior Maps To General
Maps.

US Patent Application No: 2009/0141,020: Systems and methods for rapid three-
dimensional modeling with real facade texture.

Professional experience

2011-Present [Microsoft Corp.](#)
RESEARCHER

Performing research into areas of Augmented Reality and 3D user experiences. Focusing on researching and developing means to support augmented reality in dynamic scenes, allowing authoring and mapping of augmented reality experiences while adapting to the changing geometry on the fly.

2010-2011 [Microsoft Corp.](#)
RESEARCHER

Researcher in the Vision & Graphics group at Bing mobile & mapping Advanced engineering Lab. Focusing on researching and developing means to incorporate needed data for buildup of maps & editors, such as Aerial Imagery, Parcels, GPS Trails, etc. In addition, working on means to incorporate above data for analysis of user intent.

1986-2004 [HAR-GAL Payroll & H.R. Solutions Ltd.](#)
CTO and R&D Manager

Payrolls and Human Resources management solutions for mid- and large-sized companies, such as Microsoft Israel, Intel, Oracle Israel, Check-Point, McDonalds, HP-Indigo etc.

1995-2004 R&D Manager / CTO

- Migration of main system to WIN32 Platforms
- Interfacing with third parties products: SAP, Oracle/ERP etc.
- Responsible for ISO-9002 certification.
- Marketing Support

1991-1994 Team Leader / Project Manager

- Led two teams: (1) Algorithms team (2) Infrastructure team

1986-1990 COBOL / Assembler / C / C++ Programmer

Additional professional activities

1990-2005 [IDAN Computers Ltd.](#)
Chief Scientist

IDAN is a software company since 1971, providing image analysis, CAD and 3D modeling tools. Industry applications include transportation, Infrastructure development, engineering, law enforcement, homeland security and more. IDAN's customer base consists of government authorities at the international and local level, military and law enforcement agencies, and private industry.

Languages

Hebrew, English