Recognition for Jarek Rossignac

Society awards

1. Elected **Fellow** of the **Eurographics** Association on August 2000.
2. Elected **Senior Member** of the **ACM**, August 2013.

Best-Paper Awards

3. **Best paper** published by **Computers&Graphics** in 1990: "Issues on Feature-based Editing and Interrogation of Solid Models", J. Rossignac
4. **Gunter Enderle Best Paper** award (First prize) at **Eurographics'91**: "Solid-Interpolating Deformations: Constructions and Animation of PIPs", A. Kaul and J. Rossignac, 1991.
5. **Best paper** published by the **IEEE Computer Graphics & Applications** in 1992: "Solid Modeling and Beyond", A. Requicha and J. Rossignac.
6. **Best Paper** (second prize) award at **Eurographics'94:** "Triangulating multiply-connected polygons: A simple, yet efficient algorithm", R. Ronfard and J. Rossignac, 1994.
7. IBM's Award for the **Best Paper in Computer Science,** co-authored by an IBM employee, published in 1991: "Solid-Interpolating Deformations: Construction and Animation of PIPs", A. Kaul and J. Rossignac, Computers&Graphics, 16(1), pp. 107-115, 1991.
8. IBM Award for the **Best Paper in Computer Science** co-authored by an IBM employee and published in 1998 for "Geometric Compression through Topological Surgery", G. Taubin and J. Rossignac. ACM Transactions on Graphics, Volume 17, Number 2, pp. 84-115, April 1998.
9. **Best Paper** Award (Second Prize) for the best paper published in Computers & Graphics in 1999. "Tribox-based simplification of three-dimensional objects", Andre Crosnier and Jarek Rossignac.
10. **Sigma Xi Best Paper Award** for the best paper published by a Georgia Tech Faculty in 1999: "Edgebreaker: Compression and Decompression of 3D Triangulations", March 2000.
11. **Best Paper Award** (4th place out of 80. *Would have ranked higher if Rossignac, who was on the jury did not choose to vote against it to avoid a conflict of interest.*). "Edgebreaker: A Simple Compression Algorithm for Surfaces with Handles", Hélio Lopes, Jarek Rossignac, Alla Safonova (CMU), Andrzej Szymczak and Geovan Tavares (Pontifical Catholic University, Rio de Janeiro, RJ, Brazil), **Computers&Graphics International Journal**, Vol. 27, No. 4, pp. 553-567, 2003.
12. **Best Paper Award** (1st place) for "Optimal Iso-Surfaces", C. Andujar, P. Brunet, A. Chica, I. Navazo, J. Rossignac, A. Vinacua. **CAD** Conference, Thailand, 2004.

Research Awards

1. IBM **External Recognition** award 1989
2. IBM **External Recognition** award 1990
3. IBM **External Recognition** award 1991
4. IBM **First Invention** Plateau 1991
5. IBM **External Recognition** award 1992
6. IBM **External Recognition** award 1993
7. IBM **Second Invention Plateau** 1993
8. IBM **Research Division** Award, January 1994
9. IBM **External Recognition** award 1994
10. IBM **External Recognition** award 1995
11. IBM **Corporate Outstanding Invention** Award (the highest level corporate award) 1995
12. IBM **Third Invention Plateau** 1996
13. Georgia Tech's College of Computing **Outstanding Senior Research Faculty Award**, 2002

Teaching Awards and Recognitions

- Thanks a Teacher Certificate from CETL in recognition for excellence in teaching, 2006.
- Invited by undergraduate student to the Honor Graduates Reception 2007.

Chaired Conferences

1. Co-chair of the first **ACM/SIGGRAPH Symposium on Solid Modeling** Foundations and CAD/CAM Applications, Austin, 1991.
2. Co-chair of the First International **Symposium on Computers in Mechanical Design and Visualization**, Lyon, France, October 1992.
3. Co-chair of the **ACM/SIGGRAPH Symposium on Solid Modeling** Foundations and Applications, Montreal, 1993. Responsible for the technical program and the entire review process.
4. Co-chair of the **Eurographics Workshop on Graphics Hardware,** Oslo, Norway, 1994.
5. Co-chair of the **ACM/Siggraph Symposium on Solid Modeling** Foundations and Applications, Salt Lake City, 1995.
6. Co-chair of the **CAD tools for products**, Dagstuhl, Germany, September 4-9, 1995.

7. Co-chair of **CSG'96,** Set-theoretic Solid Modelling: Techniques and Applications, Winchester, UK, 1996.
8. Chair of the **GVU/NIST TeamCAD workshop** on Collaborative Design, Atlanta, 1997.
9. Co-chair, **NSF workshop** on "Distributed Information, Computation, and Process Management for Scientific and Engineering Environments", Virginia, 1998.
10. Conference co-chair, **Shape Modeling International**, University of Aizu, Japan, 1999.
11. General Chair of the **ACM Symposium on Interactive 3D Graphics**, Atlanta, 1999.
12. Co-chair of the International Conference on **Shape Modelling International**, Genova, Italy, 2001.
13. Chair of the **WSCG** conference, Plzen, Czech Republic, 2001.
14. Co-chair of **Shape Modeling International**, June 2004. Genova, Italy.
15. Co-Chair of **ACM Symposium on Solid and Physical Modeling**, Boston, June 2005.
16. Co-chair of **ACM Symposium on Solid and Physical Modeling**, Cardiff, UK, 2006.
17. Co-Chair of **Shape Modeling International**, Lyon France, 2007.
18. Co-Chair of **Computer Graphics, Visualization and Computer Vision**, Pilsen, 2007.
19. Co-Chair of **Symposium on 3D Data Processing, Visualization and Transmission**, Atlanta, 2008.
20. Co-chair of the **ACM/SIAM Symposium on Solid and Physical Modeling**. 2011.

Chaired Program Committees of Major Conferences

1. Co-chair of program committee for **CAD/Graphics'95**, Wuhan, China, October 22-25, 1995.
2. Co-chair of **Eurographics'96** International Program Committee, Poitiers, France, August 26-30, 1996.
3. Program Committee Chair of the Applied Track for the 14th **ACM Symposium on Computational Geometry**, June 1998.
4. Program co-chair for the **IFIP's ICVC** (International Conference on Visual Computing), February 23 - 26, 1999, Goa, India
5. Co-chair of the **State of The Art Reports for Eurographics**, September 1999.
6. Program co-chair of **Shape Modeling International,** Aix-en-Provence, June 2010.

Chaired Courses and Juries at Major Conferences

1. Chair of the **Eurographics'97 Best Technical Paper Award** Jury.
2. Chair of the **Eurographics Best Technical Paper Award** Jury, 1997.
3. Co-chair of the **ACM/SIGGRAPH Course** on "3D Geometric Compression", 1998
4. Co-chair of the **ACM/SIGGRAPH Course** on "3D Geometric Compression", 1999.
5. Chair of the **Eurographics 2004 Best Paper Award** Jury. 2004.
6. Chair of the **Best Paper Award Jury**, ACM Solid and Physical Modeling, 2011.

Distinguished Lectures

1. Evans and Sutherland**,** University of Utah, 2001
2. John Hopkins University, November 2001
3. Ohio State University, October 2004
4. USC, December 2004
5. Texas A&M, February 2005
6. University of Alberta, Canada, March 2007

Keynote addresses

1. "Virtual reality as a productivity tool", J. Rossignac, **Workshop on Simulation and Interaction in Virtual Environments,** The University of Iowa, July 13-15, 1995.
2. "Hardware support for Solid Modeling", **IEEE Computer Society, Workshop on VLSI**, Orlando, February 1991.
3. "3D access for all". **Eurographics** 1997.
4. "The 3D revolution: CAD access for all", J. Rossignac. International Conference on **Shape Modeling and Applications**, Aizu-Wakamatsu, Japan, IEEE Computer Society Press, pp. 64-70, March 1997.
5. "CSG formulations for identifying and for trimming faces of CSG models", J. Rossignac. **CSG'96**: Set-theoretic solid modeling techniques and applications, Information Geometers, Ed. John Woodwark. 1996.
6. "3D server for Interacting with Complex Remote Models", **Computer Graphics International** (CGI '98), Germany, 1998.
7. "Compression and progressive refinement of 3D models", **Shape Modeling International**, Aizu, Japan, 1999.
8. "Comparing progressive refinement techniques for accessing 3D triangle meshes", **ICVC'99** (IFIP'), Goa, India, 1999.
9. "Compression, simplification, progressive transmission and 3D navigation for the instantaneous and natural access to highly complex 3D databases over the Internet", **Spanish Computer Graphics Conference**, Spain, 2000.
10. "CSG-BRep Duality and Compression", J. Rossignac, **ACM Symposium on Solid Modeling**, Germany, 2002.
11. "Finger Sculpting with Digital Clay: 3D Shape Input and Output through a Computer-Controlled Real Surface**. Shape Modeling International** Conference, Korea, Seoul, May 12-16, 2003 (cancelled due to epidemic).
12. "Generation and compression of 3D Meshes for Solid Modeling and Graphics", **International Meshing Roundtable**, Williamsburg, Keynote, 2004.
13. "Shape Comparison, Simplification, and Compression", **WSCG'07**, The 15-th International Conference on Computer Graphics, Visualization and Computer Vision, Plzen, Czech Republic, Keynote. January 29, 2007.

14. "Ball-based shape processing", 16th IAPR International Conference on Discrete Geometry for Computer Imagery (DGCI). Nancy, France. April 2011. http://dgci2011.loria.fr/callforpapers.php
15. "Smooth Interpolation of Shapes and Motions" Keynote speaker at the Computer Graphics International (CGI), Ottawa, CA, June 12-15, 2011. http://cgi2011.site.uottawa.ca/InvitedSpeakers.php#
16. "Shape Modeling advances and challenges", Keynote at the **Shape Modeling International** Conference, Bournemouth, UK, July 2013.

Invited talks at universities and industrial labs

1. "Geometric Complexity in 3D Graphics", **Workshop on Computational Geometry**, Raleigh, NC, October 1993.
2. "Morphing" Disney, Invited Talk, January 2008.
3. "Ball-Morph", INRIA, France. May 29, 2009.
4. "Relative Blending and Ball-Maps and their applications to shape comparison and morphing", ASU, Invited Talk, Feb 10, 2009.
5. "The beauty of a motion", Univ. of Montreal, March 24, 2011.
6. "Designing beautiful motions", INRIA, France. April 5, 2011.
7. "Searching Grace: Steady Affine Motion and Morph" University of Bourgogne, France, January 2012
8. "Searching Grace: Steady Affine Motion and Morph" University of Strasbourg, France, January 2012
9. "LR representation of triangle meshes", Ecole Polytechnique, France, January 2012
10. "Steady Affine Motion and Morph" INRIA, Grenoble, France, June 2012
11. "Zipper representation of triangle meshes", Ecole Polytechnique (LIX) and INRIA (Geometrica), France, May 2013

Invited presentations or short courses at workshops and symposia

1. "Compression and Scalability of Shared 3D models", **Workshop on Geometric Computing** at the ACM Symposium on Computational Geometry, Nice, France, June 4-6, 1997.
2. "3D for everyone", Invited speaker at the International Symposium "**Computer Graphics in the next 50 years of computing**", Fraunhofer Center, Darmstadt, Germany, October 1997.
3. "Internet access to large CAD models", GM-hosted Seminar on **Interoperability & Process**, Milford, Michigan, 1999.
4. "Collaborative Design and Visualization", invited presentation at the **NSF workshop** on Distributed Information, Computation, and Process Management for Scientific and Engineering Environments (DICPM), May 1999.
5. "Shape complexity", 2001 **Workshop on Shape-Based Retrieval and Analysis of 3D Models**. October 28-30, 2001 in Princeton, New Jersey.
6. "Compression and Progressive Transmission of 3D Models", J. Rossignac, **Invited Tutorial** at the ACM Symposium on Solid Modeling, Saarbrücken, Germany, June 17 - 21, 2002.
7. "Compression, simplification, progressive transmission and 3D navigation for the instantaneous and natural access to highly complex 3D databases over the Internet", **Spanish Computer Graphics Conference** (X Congreso Español de Informática Gráfica), Castello, Spain, June 28-30, 2000.
8. "3D compression made simple: Edgebreaker on a Corner Table", **Shape Modeling International,** Italy 2001. *(Google Scholar: 57 citations.)*
9. "Finger Sculpting with Digital Clay", **Invited Speaker** at the ARO Workshop on Intelligent Human Augmentation and Virtual Environments (WIHAVE), UNC-Chapel Hill on the 17th-19th of October 2002.
10. Short course on Shape Complexity at the UPC in Barcelona, July 2009.
11. "Steady Affine Morph", J. Rossignac. Bellairs Workshop on Computer Animation: GRAND Challenges, Animation and Geometry, 2011. http://www.cs.mcgill.ca/~kry/bellairs11/