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Dianna Xu

Professor and Chair
Department of Computer Science
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Education

2002	Ph.D.	Computer and Information Science	University of Pennsylvania, Philadelphia, PA
1998	M.S.E.	Computer and Information Science	University of Pennsylvania, Philadelphia, PA
1996	B.A.	Computer Science	Smith College, Northampton, MA

Appointments

2016 {	Professor	Computer Science, Bryn Mawr College
2010 {	Associate Professor	Computer Science, Bryn Mawr College
2004 { 2010	Assistant Professor	Computer Science, Bryn Mawr College
May 2003 { August 2003	Post-Doctoral Researcher	GRASP Lab, University of Pennsylvania
2002 { 2004	Lecturer	Computer Science, University of Pennsylvania

Research Interests

Curves and Surfaces Fitting, Mesh Generation and Optimization, Computational Geometry and Computer Science Education. I study applied problems in Computer Graphics, Vision and Imaging, with methods strongly rooted in geometric analysis and algorithms. I am also interested in geometric and topological methods in data analysis and visualization. In addition, I am heavily involved in rethinking the Computer Science curriculum to attract and retain women and minorities in the field.

Recent Grants and Professional Activities

1. NSF CCF-#12012,

Recent Publications

Books

1. I. Greenberg, D. Xu and D. Kumar (2013). Processing: Creative Coding and Generative Art in Processing 2. friends of ED (Apress), a subsidiary of Springer Science+Business Media, 2013.
2. J. Gallier and D. Xu (2013). A Guide to the Classification Theorem for Compact Surfaces. Geometry and Computing Series, Springer-Verlag Berlin Heidelberg, 2013.

Journals

1. J. Gallier, D. Xu and M. Siqueira (2012). Parametric Pseudo-Manifolds. Differential Geometry and its Applications 24(1-2): 1-16

Collaborators:

Betul Atalay (St. Joseph's University), Sorelle Friedler (Haverford College), Jean Gallier (University of Pennsylvania), Ira Greenberg (Southern Methodist University), Deepak Kumar (Bryn Mawr College), Suneeta Ramaswami (Rutgers University at Camden), Marcelo Siqueira (Universidade Federal do Rio Grande do Norte) Ursula Wolz (RiverSound Solutions)