

BANQUET KEYNOTE TALK
Tuesday, December 1, 2009
8:00PM – 9:00PM / East Ballrooms 6,7,8

ISVC 2009: International Symposium on Visual Computing
Lake Vegas, November 30 - December 2, 2009

Graphics, Vision and Modeling: My Personal Golden Braid

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Abstract

Over the past 25 years, my research has taken a unified perspective of the computer graphics and computer vision fields, braiding them together with modeling as the third golden strand. As both vision and graphics entail visual computing, I have often called this research paradigm Visual Modeling. In this talk, I will present a personal survey of advanced visual modeling, including statistical models, physical models, and biological models, and demonstrate how our powerful modeling methods effectively cut across graphics and vision.



Speaker Bio-Sketch: Demetri Terzopoulos (PhD '84 MIT) is the Chancellor's Professor of Computer Science at the University of California, Los Angeles. He is a 2009 Guggenheim Fellow, a Fellow of the ACM, IEEE and Royal Society of Canada, and a Member of the European Academy of Sciences. Among his many awards are an Academy Award for Technical Achievement from the Academy of Motion Picture Arts and Sciences for his pioneering work on physics-based computer animation, and the inaugural Computer Vision Significant Researcher Award from the IEEE for his pioneering and sustained research on deformable models and their applications. One of the most highly cited authors in engineering and computer science according to ISI and other indexes, his publications include more than 300 research papers and several volumes, primarily in computer graphics, computer vision, medical imaging, computer-aided design, and artificial intelligence/life. (<http://www.cs.ucla.edu/~dt>)