

Name: **Kavita Bala**

Title: Prof Assoc

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Professional Activities

Program Committees

- SIGGRAPH 09
- Interactive 3D Graphics (I3D) 09
- High Performance Graphics 09
- Eurographics Symposium on Rendering (EGSR) 09
- Pacific Graphics (PG) 09

Associate Editor, Transactions on Visualization and Graphics (TVCG)

Steering Committee Member, Eurographics Symposium on Rendering

Publications

- Bruce Walter, Shuang Zhao, Nicolas Holzschuch, Kavita Bala. Single Scattering in Refractive Media with Triangle Mesh Boundaries, In ACM SIGGRAPH '09 (Journal: Transaction on Graphics) August 2009, New Orleans LA
- James Ferwerda, Ganesh Ramanarayanan, Bruce Walter, Kavita Bala. Visual Equivalence: An Object-based Approach to Image Quality, Proceedings of IS&T 16th Color Imaging Conference (CIC) '08 Nov 2008
- Ganesh Ramanarayanan, Kavita Bala, James Ferwerda. Perception of Complex Aggregates In ACM SIGGRAPH '08 (Journal: Transaction on Graphics) August 2008, Los Angeles CA
- Bruce Walter, Kavita Bala, Milind Kulkarni, Keshav Pingali. Fast Agglomerative Clustering for Rendering, Proceedings of IEEE/ACM Interactive Ray Tracing (IRT 2008) August 2008, Los Angeles
- Milos Hasan, Edgar Velazquez-Armendariz, Fabio Pellacini, Kavita Bala. Tensor Sampling for Rendering Many-Light Animations, Eurographics Symposium on Rendering (EGSR 2008), Computer Graphics Forum, June 2008, Sarajevo, Bosnia-Herzegovina
- Milind Kulkarni, Keshav Pingali, Ganesh Ramanarayanan, Bruce Walter, Kavita Bala, Paul Chew. Scheduling Strategies for Optimistic Parallel Execution of Irregular Programs, Symposium on Parallelism in Algorithms and Architectures (SPAA '08) June 2008, Munich, Germany

Lectures

- Perceptually-based scalable graphics.
 - o Yale University, Computer Science Department Colloquium, Sep 2008.
 - o Princeton, September 2008.
 - o University of Toronto, September 2008.
 - o University of North Carolina, September 2008.

- o CMU, September 2008.
- o Columbia, September 2008.
- o Pixar, June 2008.
- o University of California, Berkeley, June 2008.
- o Graphics, MIT, June 2008.
- o Adobe, June 2008.
- o PDI Dreamworks, June 2008.
- o INRIA Grenoble, June 2008.

Students Graduated

- Milos Hasan (PhD: 2009, Matrix Sampling For Global Illumination)
- Adam Arbree (PhD: 2009, Scalable And Heterogeneous Rendering Of Subsurface Scattering Materials)
- Edgar Velazquez Armendariz (Masters: 2009)
- Ganesh Ramanarayanan (PhD: 2008, Visual Equivalence: A New Standard of Image Fidelity for Computer Graphics)