

**List of Posters for Graduate Student Summer Internship  
Program  
Department of Mathematics, UCLA  
October 10, 2007, IPAM**

1. Paul Bunn, Authenticated Routing Protocol Secure Against a Malicious Adversary mentor: Rafail Ostrovsky, UCLA Department of Computer Science
2. Alex Chen, Segmentation and Classification of Hyperspectral Images, (part of this work was prepared for the National Geospatial Intelligence Agency), mentor: Andrea Bertozzi, UCLA Department of Mathematics
3. Julia Dobrosotskaya, Wavelet Based Variational Technique for Image Reconstruction, (part of this work was prepared for the National Geospatial Intelligence Agency), mentor: Andrea Bertozzi, UCLA Department of Mathematics
4. Bin Dong, Nonlocal Surface Regularization (Joint work with Jian Ye and Stanley Osher) mentors: Ivo Dinov, UCLA Laboratory of Neural Imaging, Neural Science and Stanley Osher, UCLA, Department of Mathematics
5. Inessa Epstein, Uniform Topologies on General Path Spaces and Continuity and Stability Properties of General Flow Systems, mentor: J.M. Davoren, Department of Electrical and Electronic Engineering, University of Melbourne, VIC, Australia
6. Wenhua Gao, Shape Analysis with Eigen Structures of Laplace-Beltrami Operators, mentor: Professor Ivo Dinov and Dr. Yonggang Shi, UCLA Laboratory of Neuro Imaging
7. Clint Givens, Communication Complexity in Perfectly Secure Message Transmission, mentor: Rafail Ostrovsky, UCLA Department of Computer Science
8. Paul Jones, Statistical Models of Cops and Burglars, mentors: Jeff Brantingham, UCLA Department of Anthropology and Lincoln Chayes and Andrea Bertozzi, UCLA Department of Mathematics
9. Rongjie Lai, Multiscale Representation of Biological Shapes via Ricci Flow, mentor: Ivo Dinov, UCLA Laboratory of Neural Imaging, Neural Science
10. Yanina Landa, Dense Optical Flow, mentor: Eugene Vendrovsky, Rhythm & Hues (special effects graphics company)
11. Yingying Li, Sigma Filter Denoising & Non-local Inpainting, mentors: Todd Wittman, Stanley Osher and Andrea Bertozzi, UCLA Department of Mathematics
12. Tungyou Lin, Comparison of Regularization Methods in Image Registration, mentor: Paul Thompson, professor of Neurology, Lab of Neuro Imaging, UCLA, School of Medicine
13. Yifei Lou, Autocalibration and Uncalibrated Reconstruction of Shape from Defocus, mentor: Stefano Soatto, UCLA Department of Computer Science
14. Steve Lu, Batch Verification of Pairings, mentor: Rafail Ostrovsky, UCLA Department of Computer Science

15. Chris McKinlay, Algorithms in Computational Number Theory, mentor: Amit Sahai, UCLA Department of Computer Science
16. Kangyu Ni, Matting Through Texture and Geometric Inpainting, mentor: Professor Song-Chun Zhu, UCLA Department of Statistics, Computer Science
17. Dustin Steinhauer, A Three-Dimensional VLF Ray Tracer, mentor: Jacob Bortnik, UCLA Department of Atmospheric and Oceanic Sciences
18. Alvin Wong, Studying Hippocampal Shape Structures With Diffusion Flows, mentor: Prof. Ivo D. Dinov and Dr. Yonggang Shi, UCLA, Laboratory of Neuro Imaging
19. Igor Yanovsky, Unbiased Nonlinear Registration Methods: Statistical and Calibration Assessment of Performance, mentor: Paul M. Thompson, Laboratory of Neuro Imaging, UCLA School of Medicine
20. Siwei Zhu, Tensor Distribution Function - A Novel Methodology for Resolving Fiber Crossing in HARDI, mentor: Alex Leow, UCLA Department of Neuroscience

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