

Biomedical Engineering

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Our lab has traditionally been involved in biomedical image processing, computer vision, digital microscopy, radiology, and pattern recognition. Most recently, we have focused on clinical methods development using ultrafast lasers for assessing cancer tissue viability and malignancy, and on clustering techniques for evaluating genomic and proteomic data.

Recent Papers:

1. Chang, S, Kulikowski, CA, Dunn, SM, and Levy, S, Biomedical Image Skeletonization: a Novel Method Applied to Fibrin Network Structures Medinfo 10; 901-905 (2001).
2. Mello-Thomas, C,, Dunn, SM, Nodine, CF, and Kundel, HL, An Analysis of Perceptual Errors in Reading Mammograms using Quasi-Local Spatial Frequency Spectra Journal of Digital Imaging 14; 117-123 (2001).
3. Burdea, GC, Dunn, SM, and Levy, G, Evaluation of Robot-Based Registration for Substraction Radiography Medical Image Analysis 3; 265-274 (1999).



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fellow, **Jeffrey Barminko**, has been awarded a predoctoral fellowship from the New Jersey Commission on Spinal Cord Research for his project entitled 擱ncapsulated MSCs...

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