

Dmitry B. Goldgof

Computer Science and Engineering Department
University of South Florida, Tampa, Florida 33620
(813) 974-4055, (813) 974-5456 (fax)
goldgof@cse.usf.edu

EDUCATION

Ph.D. Electrical and Computer Engineering, University of Illinois at Urbana-Champaign, 1989.
M.S. Electrical, Computer and Systems Engineering, Rensselaer Polytechnic Institute, Troy, N.Y., 1985.
B.S. Computer Science, Moscow Forest Engineering Institute, Moscow, Russia, 1979.

PROFESSIONAL EXPERIENCE

5/06 - Associate Chair, Department of Computer Science & Engineering, University of South Florida
8/00 - Professor, Department of Computer Science & Engineering, University of South Florida
8/99 - Member, H. Lee Moffitt Cancer Center and Research Institute, Tampa, FL
3/07 - Member, Florida Center of Excellence for Biomolecular Identification and Targeted Therapeutics
1/06 - 5/06 Director of Graduate Studies, Dept. of Computer Science and Engineering, USF
7/02 - 5/03 Professor, Cancer Control, Bioinformatics, H. Lee Moffitt Cancer Center, Tampa, FL
7/99 - 5/02 Director of Graduate Studies, Computer Science and Engineering, USF
5/99 - 5/03 Professor, Department of Psychology, University of South Florida
8/94 - 7/00 Associate Professor, Department of Computer Science & Engineering, USF
4/96 - 5/96 Visiting Associate Professor, Computer Science, University of Bern, Bern, Switzerland
9/95 - 3/96 Visiting Associate Professor, Computer Science, University of California at Santa Barbara
8/89 - 7/94 Assistant Professor, Computer Science and Engineering, USF
8/81 - 8/83 Systems Engineer, McGuinness and Associates, Inc., Schenectady, NY

CURRENT RESEARCH INTERESTS

Image and Video Analysis, Computer Vision and Pattern Recognition, Bioinformatics and Bioengineering

HONORS

- Awarded Fellow status by International Association for Pattern Recognition (IAPR) "for contributions to computer vision, pattern recognition, and biomedical engineering" effective 2010.
- USF Academy of Inventors, Charter Member, USF, 2009
- Theodore and Venette Askounes-Ashford Distinguished Scholar Award, USF, 2008
- Elevated to the Fellow status by the Institute of Electrical and Electronics Engineers (IEEE) "for contributions to computer vision and biomedical applications" effective January 2007
- IEEE Distinguished Visitor Program (DVP), 2004-2006
- Keynote Speaker, Mexican International Conference on Computer Science, Puebla, Mexico, 9/2005
- Keynote Speaker, Intern. Symposium on the 3-D Analysis of Human Movement, Tampa, FL, 4/2004
- L. Tsap, D. Goldgof, S. Sarkar, "Computer Vision-Based Technique for Objective Assessment of Material Properties in Non-Rigid Objects", USA patent 6594381 filed 5/99, granted 7/15/03.
- Together with two of his recent doctoral students Professor Goldgof was honored by USF Outstanding Dissertation Awards in 1999 (Dr. Leonid Tsap) and 2002 (Dr. Min Shin).
- Paper "Matching point features under small nonrigid motion", *Pattern Recognition*, 34(12), pp. 2353-2365, 2001, received Honorable Mention Award by the Pattern Recognition Society in 2002.
- Selected a *Favorite Professor* by USF chapter of the National Society of Collegiate Scholars in 2001.
- Paper "Automatic tumor segmentation using knowledge-based techniques" selected by International Medical Informatics Association for 2000 IMIA Yearbook containing "the best of medical informatics".
- Nineteenth Annual Pattern Recognition Society Award, 1993.
- University of South Florida, College of Engineering *Outstanding Young Investigator Award*, 1992-1993.
- *General Electric Foundation Teaching Incentive Award*, 1988.

EDITORIAL BOARDS AND COMMITTEES

- *IEEE Press Editorial Board*, 2012-2014 terms
- Associate Editor - *IEEE Transactions on Systems, Man and Cybernetics, Part B* (2001 - present)
- Associate Editor - *International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI)* (2008 - present)
- NIH, Quantitative Imaging Network (QIN), Image Analysis & Performance Metrics Working Group (IAPMWG), member 2010-2011, Co-Chair 2011-2012.
- Member of IEEE Computer Society Fellows Evaluation Committee, 2008, 2009
- Member-at-Large, Board of Governors, Systems, Man and Cybernetics Society, 2010-2011, 2007
- North American Editor - *Image and Vision Computing*, 1998 - 2007
- *Image and Vision Computing*, Special Issue on Articulated and Non-rigid motion, Edited by Dimitris Metaxas, Chandra Kambhampettu and Dmitry Goldgof, 25(3), 2007.
- Founding Member - *Translational Bioinformatics Focused Interaction Group* at H. Lee Moffitt Cancer Center and Research Institute (2003 - 2005)
- Provost Academic Review Team for the Department of Computer and Information Sciences, University of Delaware (2002 -2003)
- International Association of Pattern Recognition Education Committee (2000 - 2002)
- Associate Editor - *PATTERN RECOGNITION* (1990 - 2001)
- Associate Editor - *IEEE Transactions on Image Processing* (1996 - 1998)

AFFILIATIONS

Fellow of IEEE, Fellow of IAPR, member of IEEE Computer Society, IEEE Systems, Man and Cybernetics Society, IEEE SMC Technical Committee on Medical Informatics, IEEE Engineering in Medicine and Biology Society, American Society of Engineering Education, Member of SPIE - The International Society for Optical Engineering, Member of OSA, Optical Society of America, Member of Pattern Recognition Society, Member of Phi Kappa Phi, The National Interdisciplinary Honor Society, Tau Beta Pi, The National Engineering Honor Society, Sigma Xi, The Scientific Research Society

RECENT CONFERENCES CHAIR/COMMITTEES

- *25th International Symposium on Computer-Based Medical Systems (CBMS 2012, IEEE/ACM)*, 6/2012, Rome, Italy, Program Committee
- *24rd SIBGRAPI Conference on Graphics, Patterns, Images*, 8/2011, Macei, Brazil, Program Committee
- *International Conference on Computer Analysis of Images and Patterns (CAIP 2011)*, 8/2011, Seville, Spain, Program Committee
- *23rd SIBGRAPI Conference on Graphics, Patterns, Images*, 9/2010, Gramado, Brazil, Program Committee
- *International Conference on Pattern Recognition (20th ICPR)*, 8/2010, Istanbul, Turkey, Program Committee
- *The First IEEE International Conference on Biometrics, Identity and Security (BIoS)*, 9/2009, Tampa, FL, Program Committee
- *International Conference on Computer Analysis of Images and Patterns (CAIP 2009)*, 9/2009, Munster, Germany, Program Committee
- *IEEE Computer Society Workshop on Mathematical Methods in Biomedical Image Analysis (MMBIA 2009)*, 7/2009, Miami, FL, Program Committee
- *IEEE International Conference on Systems, Man, and Cybernetics (SMC 2008)*, 10/2008, Singapore, Program Committee
- *International Conference on Pattern Recognition (19th ICPR)*, 12/2008, Tampa, Florida, Local Arrangement Chair
- *IEEE Conf. Comp. Vision and Pattern Recognition*, 6/2007, Minneapolis, MN, Demos Chair
- *IEEE Workshop on Motion and Video Computing*, 2/2007 in Austin, Texas, Program Committee
- *International Conference on Pattern Recognition (18th ICPR)*, 8/2006, Hong Kong, Program Committee, Session Chair
- *European Conference on Computer Vision (ECCV 2006)*, 5/2006, Graz, Austria, Program Committee
- *2nd International Workshop on Computer Vision Approaches to Medical Image Analysis (CVAMIA 2006)*, 5/2006, Graz, Austria, Program Committee
- *Asian Conference on Computer Vision (ACCV 2006)*, 1/2006, Hyderabad, India, Program Committee

- *IEEE Signal Processing Society International Workshop on Multimedia Signal Processing (MMSP 2005)* 10/2005, Shanghai, China, Publications Chair
- *IEEE Conf. Comp. Vision and Pattern Recognition*, 6/2005, San Diego, CA, Program Committee
- Third International Conference on Image and Graphics, 12/2004, Hong Kong, Program Committee
- International Conference on Bioinformatics and its Applications (ICBA04), 12/2004, Fort Lauderdale, FL, Program Committee
- *International Conference on Pattern Recognition (17th ICPR)*, 8/2004, Cambridge, England, Program Committee
- *IEEE Conf. Comp. Vision and Pattern Recognition*, 6/2004, Washington, DC, Program Committee
- *IEEE Workshop on Articulated and Nonrigid Motion*, 6/2004, Washington, DC, General Co-Chair
- *Computer Vision Approaches to Medical Image Analysis Workshop (CVAMIA)*, 5/2004, Prague, Czech Republic, Program Committee
- *IEEE Conf. Comp. Vision and Pattern Recognition*, 6/2003, Madison, WI, Program Committee
- *IEEE Workshop on Motion and Video Computing*, 12/2002, Orlando, FL, Program Committee
- *International Conference on Pattern Recognition (16th ICPR)*, 8/2002, Quebec City, Canada, Program Committee
- *IEEE Workshop on Mathematical Methods in Biomedical Image Analysis*, 12/2001, Hawaii, Program Committee
- *IEEE Workshop on Human Motion*, 12/2000, Austin, TX, Program Committee
- *IEEE Workshop on Applications of Comp. Vision*, 12/2000, Palm Springs, CA, Program Committee
- *IEEE Conf. Computer Vision and Pattern Recognition*, 6/1999 Denver, CO, Area Chair
- *IEEE Workshop on Biomedical Image Analysis*, 6/1998 Program Committee
- *IEEE Conf. Computer Vision and Pattern Recognition*, 6/1998, Santa Barbara, CA, General Chair
- *IEEE Workshop on Nonrigid and Articulated Motion*, 6/1997, Puerto Rico, Program Committee
- *IEEE Workshop on Applications of Computer Vision*, 12/1996, Sarasota, FL, Program Committee
- *IEEE Conf. Computer Vision and Pattern Recognition*, 6/1996, San Francisco, Program Committee
- *IEEE Workshop on Computer Vision*, 11/1995, Miami, FL, Program Co-Chairman
- *IEEE Workshop on Physics-Based Modeling in Vision* 6/1995, Cambridge, MA, Program Committee
- *International Conference on Pattern Recognition (12th ICPR)*, 1994, Jerusalem, Session Chair
- *IEEE Workshop on Biomedical Image Analysis*, 1994, Seattle, WA, Program Co-Chairman

RECENT UNIVERSITY COMMITTEES

USF ResearchOne Funding Review Committee (2011-)
 USF Distinguished University Professor Discipline Committee, Chair (2011)
 USF Sabbatical Committee (2008-2010)
 USF Engineering Dean Search Committee (2006-2007)
 USF College of Engineering Executive Taskforce (2006-2007)
 USF Provost Ad Hoc Committee (2006)
 USF Council on Technologies for Instruction and Research (2005-2006)
 USF College of Engineering Governance Committee (2005-2008)
 Distinguished University Professor Committee (2003-2004)
 Department Infrastructure Committee, Chair (2003-2005)
 Department Faculty Evaluation Committee (1997-1998,2004-2005, 2008-2009), Chairman (1997,2009)
 Department Graduate Committee (1990 - present)
 Department Promotion and Tenure Committee (1995 - present)
 College of Engineering CS&E Chair Search Committee (2002-2003)
 USF Bioengineering Institute, Member of the Steering Committee (1999 - 2002)
 USF Graduate Council (1997-2000), Co-Chair of Curriculum Subcommittee (1998-2000)
 USF Electronic Thesis and Dissertation Task Force (1997)
 Department Faculty Search Committee (1999-2000)
 Department Technical Support & Lab Equipment Committee - Chairman (1994 - 1999)
 Department Undergraduate Curriculum and Advising Committee (1997 - 1998)
 Department Engineering Building III Committee (1997 - 1999)
 Department Graduate Examinations Committee (1990 - 1997)

STUDENT SUPERVISION

Ph.D. Dissertation Guidance as Major Professor

1. Wen-Chen Huang, "Physically-Based Modeling in Nonrigid Motion Analysis", May 1994.
2. Chandra Kambhamettu, "Nonrigid Motion Analysis under Small Deformations", August 1994.
3. Senthil Kumar, "Nonrigid Shape Modeling Schemes", December 1995.
4. Adam Hoover, "The Space Envelope Representation for 3D Scenes", August 1996 (with K. Bowyer).
5. Mathew Clark, "Knowledge-Based Processing of MRI of the Brain", December 1997 (with L. Hall).
6. Mingrui Zhang, "Generic Knowledge-Guided Image Segmentation and Labeling with Applications", December 1998 (with L. Hall).
7. Leonid V. Tsap, "Finite Element Modeling of Biological Tissues", May 1999 (with S. Sarkar). Recipient of USF Graduate Council Outstanding Dissertation Prize for 2000.
8. Rampresad Balasubramanian, "Nonrigid Motion Tracking and Structure Reconstruction with Application to MPEG-4", December 1999.
9. Min Shin, "Nonrigid Motion Analysis and Reconstruction from 2D sequences", August 2001. Recipient of USF Graduate Council Outstanding Dissertation Prize for 2002.
10. Jaesik Min, "Improvement of Range Image Segmentation by Utilizing a Performance Evaluation Framework", August 2002 (with K. Bowyer).
11. Tong Luo, "Scaling Up Support Vector Machines with Application to Plankton Recognition", May 2005 (with L. Hall).
12. Yong Zhang, "Robust Algorithms for Property Recovery in Motion Modeling, Medical Imaging and Biometrics", August 2005 (with S. Sarkar).
13. Yuhua Gu, "Ant Clustering with Consensus", May 2009 (with L. Hall).
14. Yan Qiu, "Temporal Registration of Mammograms by Finite Element Simulation of MR Breast Volume Deformation", May 2009.
15. Joshua Candamo, "Boundary Profile Representation for Objects and Their Surroundings in Outdoor Videos", August 2009 (with R. Kasturi).
16. Vasant Manohar, "Facial Skin Motion Properties from Video: Modeling and Applications", December 2009 (with S. Sarkar).
17. Valentina Korzhova, "Motion Analysis of Fluid Flow in a Spinning Disk Reactor", August 2010.
18. Vidya Kamath, "Enhancing gene expression signatures in cancer prediction models: Understanding and managing classification complexity", December 2010 (with S. Eschrich).
19. Kurt Kramer, "System for Identifying Plankton from the SIPPER Instrument Platform", December 2010 (with L. Hall).

M.S. Thesis Guidance as Major Professor

1. Sanjoy K. Mishra, "Nonrigid Motion Estimation from Point and Line Correspondences", 4/91.
2. Hongpin Li, "3D Model Construction from Multiple Unknown Range Views", 4/91 (with K. Bowyer).
3. Chandra Kambhamettu, "Curvature-Based Approach to Point Correspondence Recovery in Nonrigid Motion", 12/91.
4. Chin-Tzay Lin, "Motion Estimation from Scaled Orthographic Projections without Corresp.", 12/91.
5. Senthil Kumar, "Automatic Tracking of SPAMM Grid in Cardiac MR Images and the Estimation of Deformation Parameters", 12/92.
6. Art Matheny, "The Use of Three- and Four-Dimensional Surface Harmonics for Rigid and Non-Rigid Shape Recovery and Representation", 12/92.
7. Chunlin Li, "Knowledge Based Classification and Tissue Labeling of Magnetic Resonance Images of the Brain", 12/92 (with L. Hall).
8. Hsiao-Kun Tu, "Left Ventricular Boundary Detection From Spatio-Temporal Volumetric Computed Tomography Images", 8/93.
9. Song Han, "Modeling and Reconstruction of Nonrigid Shapes using Hyperquadrics", 8/93.
10. Adam Hoover, "Creating a boundary representation from a range image", 12/93 (with K. Bowyer).
11. Mathew Clark, "Segmentation of Brain MRI with Knowledge-Based Clustering", 8/94 (with L. Hall).
12. Bruce E. Montrose, "Object Correspondence and Motion estimation using Maximal Matching Techniques on OPUS Data", December 1994.
13. Leonid V. Tsap, "Efficient Utilization of Nonlinear FEM for Nonrigid Motion Analysis", 8/95.
14. Mingrui Zhang, "Knowledge-based Classification of CZCS Images and Monitoring of Phytoplankton Blooms off the West Florida Shelf", 8/96 (with L. Hall).

15. Min C. Shin, "An Objective Comparison of Edge Detection Algo. for Structure from Motion Task", 5/98.
16. Wensheng Yao, "Knowledge-based Classification of SeaWiFS Satellite Images for Monitoring Phytoplankton Blooms Off West Florida", 8/99 (with L. Hall).
17. Jungwei Ke, "Fast Accurate Fuzzy Clustering Through Reduced Precision", 9/99 (with L. Hall).
18. Li Zhou, "Computer Aided Image Analysis of Skin Histology Images", 12/00 (with S. Sarkar).
19. Jamie Freeman, "Compression techniques for microarray images", 8/00.
20. Yong Zhang, "An FEM based Motion Recovery Algorithms and it Application in Computer Vision and Imaging", 12/00 (with S. Sarkar).
21. Jing Lin, "Theory and Algorithms for 3D Tracking of Objects under Affine Motion", 12/01.
22. Yelena Mukomel, "Analysis of lesions in Three-dimensional Skin Images", 12/02 (with S. Sarkar).
23. Haiying Zhang, "Detecting Red Tides off West Florida Shelf by Classification of SeaWiFS Sattelite Imagery", 12/02 (with L. Hall).
24. Sorin Anton, "A Finite Element Based Approach in Computer Vision and its Applications for Nonrigid Registration and Biometrics", 12/02.
25. Mugdha Tembey, "Computer-Aided Diagnosis for Mammographic Microcalcification Clusters", 12/03 (with M. Kallergi).
26. Krassimir Ivanov, "Automatic Location and Segmentation of Skin Lesions Using 3D Range Scanner", 12/03 (with S. Sarkar)
27. Yan Qiu, "3D Deformation Model for Lesion Correspondence in Breast Imaging", 12/03 (with L. Li)
28. Bhavesh Goswami, "Optimizing Cost and Data Entry for Assignment of Patients to Clinical Trials Using Analytical and Probabilistic Web-Based Agents", 12/03 (with L. Hall)
29. Sangeeta Kundu, "Facial Strain Maps as a Biometric Source", 8/05 (with S. Sarkar).
30. Kurt Kramer, "Identifying Plankton from Grayscale Silhouette Images", 12/05.
31. Vidya Kamath, "Use of Random Subspaces Ensembles on Gene Expression Profiles to Enhance the Accuracy of Survival Prediction for Colon Cancer Patients", 12/05 (with R. Kasturi).
32. Li Chen, "Ranking-based Methods for Gene Selection", 4/06 (with L. Li).
33. Valentina Korzhova, "Tracking Fluid Flow in a Spinning Disk Reactor", 4/06
34. Vasant Manohar, "Video-based Person Identification using Facial Strain Maps as a Biometric", 4/06
35. Tim V. Ivanovskiy, "Mining Medical Data in a Clinical Environment", 7/06 (with L. Hall)
36. Chintan Thakkar, "Ventricle Slice Detection In MR Images Using Hough Transform and Object Matching Techniques", 12/06 (with L. Hall)
37. Sergiy FefilatyeV, "Detection of Marine Vehicles in Images and Video of Open Sea", 6/08
38. Weijian Cheng, "Automatic Red Tide Detection Using MODIS Satellite Images", 4/09 (with L. Hall)
39. Sridhar Godavarthy, "Microexpression Spotting in Video using Optical Strain", 8/10
40. Om Pavithra Bonam, "Automated Quantification of Biological Microstructures Using Unbiased Stereology", 6/11 (with L. Hall)
41. Daniel Toby Elozory, "Using a Focus Measure to Automate the Location of Biological Tissue Surfaces in Brightfield Microscopy", 6/11 (with L. Hall)

PUBLICATIONS (citations impact: h-index 34, g-index 60)**Journal:**

1. L. Hall, D. Goldgof, "Convergence of the Single-pass and Online Fuzzy C-Means Algorithms", *IEEE Transactions on Fuzzy Systems*, vol. 19(4), pp. 792-794, 2011.
2. V. Korzhova, D. Goldgof, G. Sisoiev, "Model-based Recovery of Fluid Flow Parameters from Video" *International Journal of Pattern Recognition and Artificial Intelligence*, vol. 25(3), pp. 309-336, 2011.
3. G. Sisoiev, D. Goldgof, V. Korzhova "Stationary spiral waves in film flow over a spinning disk," *Physics of Fluids*, vol. 22(5), pp. 052106-1-6, 2010.
4. J. Candamo, M. Shreve, D. Goldgof, D. Sapper, R. Kasturi, "Understanding Transit Scenes: A Survey on Human Behavior Recognition Algorithms", *IEEE Transactions on Intelligent Transportation Systems*, vol. 11(1), pp. 206-224, 2010 (Top Accessed paper for October 2010 and December 2010).
5. S. Feflatyev, L. Chen, T. Ivanovskiy, L. Hall, D. Goldgof, H. Greenstien, C. Garrett, "Complications in Using Automated Methods to Increase Clinical Trial Accrual", *International Journal of Biomedical Engineering and Technology*, vol. 4(2), pp. 134-150, 2010.
6. K. Kramer, L. Hall, D. Goldgof, "Fast Support Vector Machines for Continuous Data", *IEEE Transactions on Systems, Man and Cybernetics, B*, vol 39(4), pp. 989-1001, 2009.
7. P. Hore, L. Hall, D. Goldgof, "A Scalable Framework For Cluster Ensembles", *Pattern Recognition*, vol 42, pp. 676-688, 2009.
8. R. Kasturi, D. Goldgof, P. Soundararajan, V. Manohar, Ra. Bower, J. Garofolo, M. Boonstra, V. Korzhovay, J. Zhang, "Framework for Performance Evaluation of Face, Text, and Vehicle Detection and Tracking in Video: Data, Metrics, and Protocol", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 31, no. 2, pp. 1-18, 2009.
9. P. Hore, L. Hall, D. Goldgof, Y. Gu, A. Maudsley, A. Darkazanli, "A Scalable Framework For Segmenting Magnetic Resonance Images", *Journal of Signal Processing Systems*, vol 54(1), pp. 183-203, 2009.
10. J. Candamo, R. Kasturi, D. Goldgof, S. Sarkar, "Detection of thin lines using low quality video from low altitude aircraft in urban settings", *IEEE Transactions on Aerospace and Electronic Systems (TAES)*, vol. 45, Issue 3, pp. 937-949, 2009
11. L. Tsap, M. Duchaineau, D. Goldgof, M. Shin, "Data-Driven Feature Modeling, Recognition and Analysis in a Discovery of Supersonic Cracks in Multimillion-Atom Simulations", *Pattern Recognition*, 40(9), 2400-2407, 2007.
12. Y. Zhang, D. Goldgof, S. Sarkar, L. Tsap, "A Sensitivity Analysis Method and Its Application in Physics-Based Nonrigid Motion Modeling", *Image and Vision Computing*, 25(3), 249-392, 2007.
13. Y. Zhang, L. Hall, D. Goldgof, S. Sarkar, "A Constrained Genetic Approach for Computing Material Property of Elastic Objects", *IEEE Transactions on Evolutionary Computation*, 10(3), 341- 357, 2006.
14. A. Maudsley, A. Darkazanli, J. Alger, L. Hall, N. Schuff, C. Studholme, Y. Yu, A. Ebel, A. Frew, D. Goldgof, Y. Gu, R. Pagare, F. Rousseau, K. Sivasankaran, B. J. Soher, P. Weber, K. Young, X. Zhu, "Comprehensive processing, display and analysis for in vivo MR spectroscopic imaging", *NMR IN Biomedicine* (19), 492503, 2006.
15. T. Luo, K. Kramer, D. Goldgof, L. Hall, S. Samson, A. Remsen, T. Hopkins, "Active Learning to Recognize Multiple Types of Plankton", *Journal of Machine Learning Research*, JMLR 6: 589-613, 2005.
16. Y. Zhang, D. Goldgof, S. Sarkar, L. Tsap, "A Modeling Approach for Burn Scar Assessment Using Natural Features and Elastic Property", *IEEE Transactions on Medical Imaging*, 23(10), pp. 1325-1329, 2004.
17. T. Luo, K. Kramer, D. Goldgof, L. Hall, S. Samson, A. Remsen, T. Hopkins, "Recognizing Plankton Images from the Shadow Image Particle Profiling Evaluation Recorder", *IEEE Transactions on Systems, Man and Cybernetics, B*, 34(4), pp. 1753-1762, 2004.
18. M. Powell, S. Sarkar, D. Goldgof, K. Ivanov, "A Methodology for Extracting Objective Color from Images", *IEEE Transactions on Systems, Man and Cybernetics, B*, 34(5), pp. 1964-1978, 2004.
19. E. Fink, P. Kokku, S. Nikiforou, L. Hall, D. Goldgof, J. Krischer, "Selection of Patients for Clinical Trials: An Interactive Web-Based System", *Artificial Intelligence in Medicine*, 31(3), 241-254, 2004.
20. M. C. Shin, L. V. Tsap, D. B. Goldgof, "Gesture Recognition Using Bezier Curves for Visualization Navigation from Registered 3-D Data", *Pattern Recognition*, 37(5), pp. 1011-1024, 2004.
21. S. Eschrich, J. Ke, L. Hall, D. Goldgof, "Fast Accurate Fuzzy Clustering Through Data Reduction", *IEEE Transactions on Fuzzy Systems*, 11(2), pp. 262-270, 2003.

22. A. Hoover, D. Goldgof, K. Bowyer, "Egomotion Estimation of a Range Camera Using the Space Envelope", *IEEE Transactions in Systems, Man and Cybernetics*, Special Issue on 3D Image Analysis and Modeling, 33(4), pp. 717-721, 2003.
23. C. Kambhamettu, D. Goldgof, M. He, P. Laskov, "3D Nonrigid Motion Analysis under Small Deformations", *Image and Vision Computing*, 21(3), pp. 229-245, 2003.
24. M. Zhang, L. Hall, D. Goldgof, "A Generic Knowledge-Guided Image Segmentation and Labeling System Using Fuzzy Clustering Algorithms", *IEEE Transactions on Systems, Man and Cybernetics*, 32(5), pp. 571-582, 2002.
25. M. Shin, D. Goldgof, K. Bowyer, "Comparisons of Edge Detector Performance Through Use in an Object Recognition Task", *Computer Vision and Image Understanding*, 84 (1), pp. 160-178, 2001.
26. L. Tsap, D. Goldgof, S. Sarkar, "Fusion of Physically-Based Registration and Deformation Modeling for Nonrigid Motion Analysis", *IEEE Transactions on Image Processing*, 10(11), pp. 1659-1669, 2001
27. L. Zhou, C. Kambhamettu, D. Goldgof, K. Palaniappan, A. Hasler, "Tracking Nonrigid Motion and Structure from 2D Satellite Cloud Images without Correspondences", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 23(11), pp. 1330-1336, 2001.
28. M. Powell, D. Goldgof, "Software Toolkit for Teaching Image Processing", *International Journal of Pattern Recognition and AI*, 15(5), pp. 833-844, 2001.
29. M. Powell, S. Sarkar, D. Goldgof, "A Simple Strategy for Calibrating the Geometry of Light Sources", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 23(9), pp. 1022-1027, 2001.
30. M. Shin, D. Goldgof, K. Bowyer, Nikiforou, S., "Comparison of Edge Detection Algorithms Using a Structure from Motion Task", *IEEE Transactions in System Man and Cybernetics*, 31B(4), pp. 589-601, 2001.
31. L. Fletcher-Heath, L. Hall, D. Goldgof, F. Murtagh, "Automatic Segmentation of Non-enhancing Brain Tumors in Magnetic Resonance Images", *Artificial Intelligence in Medicine*, 21, 43-63, 2001.
32. S. Kumar, M. Sallam, D. B. Goldgof, "Matching point features under small nonrigid motion", *Pattern Recognition*, 34(12), pp. 2353-2365, 2001 (Honorable Mention Award by the Pattern Recognition Society).
33. M. Zhang, L. O. Hall, D. B. Goldgof and F. E. Muller-Karger, "Knowledge-Guided Classification of Coastal Zone Color Images off the West Florida Shelf", *International Journal of Pattern Recognition and AI*, 14(8), pp. 987-1008, 2000.
34. S. Kumar, D. Goldgof, "Recovery of Global Nonrigid Motion - a Model Based Approach Without Point Correspondences", *Journal of the Optical Society of America A*, 17(9), pp. 1617-1626, 2000.
35. L. Tsap, D. Goldgof, S. Sarkar, "Nonrigid Motion Analysis Based on Dynamic Refinement of Finite Element Models", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 22(5), pp. 526-543, 2000.
36. L. Tsap, D. Goldgof, S. Sarkar, P. Powers, "A Method for Increasing Precision and Reliability of Elasticity Analysis in Complicated Burn Scar Cases", *International Journal of Pattern Recognition and AI*, 14(2), pp. 189-210, 2000.
37. M. Zhang, K. Carder, Z. Lee, F. Muller-Karger, D. Goldgof, "Noise reduction and Atmospheric Correction for Coastal Applications of Landsat Thematic Mapper Imagery", *Remote Sensing of Environment*, 70:167-180, 1999.
38. L. Tsap, D. Goldgof, S. Sarkar, "Model-Based Force-Driven Nonrigid Motion Recovery from Sequences of Range Images without Point Correspondences", *Image and Vision Computing*, 17(14), pp. 997-1008, 1999.
39. P. Powers, S. Sarkar, D. Goldgof, C. W. Cruse, L. Tsap, "Scar assessment: current problems and future solutions", *Journal of Burn Care & Rehabilitation*, 20(1), pp. 54-60, 1999.
40. A. Hoover, D. Goldgof, K. Bowyer, "Dynamic Scale Model Construction from Range Imagery", *IEEE Transactions on Pattern Analysis and Machine Intelligence*, 20(12), pp. 1352-1357, 1998.
41. L. Tsap, D. Goldgof, S. Sarkar, P. Powers, "A Vision-Based Technique for Objective Assessment of Burn Scars", *IEEE Transactions on Medical Imaging*, 17(4), pp. 620-633, 1998.
42. S. Sarkar, D. Goldgof, "Integrating Image Computations in Undergraduate Level Data Structures Education", *International Journal of Pattern Recognition and AI*, 12(8), pp. 1071-1080, 1998.
43. M. Clark, L. Hall, D. Goldgof, R. Velthuisen, F. Murtagh, M. Silberger, "Automatic Tumor Segmentation Using Knowledge-Based Techniques", *IEEE Trans. Medical Imaging*, 17(2), pp. 187-201. 1998.
44. Clarke LP, Velthuisen RP, Clark M, Gaviria G, Hall L, Goldgof D, Murtagh R, Phuphanich S and Brem S. "MRI Measurement of Brain Tumor Response: Comparison of Visual Metric and Automatic Segmentation", *Magnetic Resonance Imaging*, 16(3), 271-279, 1998.
45. A. Hoover, D. Goldgof, K. Bowyer, "The Space Envelope Representation for 3D Scenes", *Computer Vision and Image Understanding*, vol. 69, no. 3, pages 310-329, 1998.

46. L. Tsap, D. Goldgof, S. Sarkar, "Efficient Nonlinear Finite Element Modeling of Nonrigid Objects via Optimization of Mesh Models", *Comp. Vision and Image Understanding*, 69(3), pp. 330-350, 1998.
47. T. W. Cheng, D. B. Goldgof and L. O. Hall, "Fast fuzzy clustering", *International Journal for Fuzzy Sets and Systems*, 93(1), pp. 49-56, 1998.
48. J. C. Bezdek, L. O. Hall, M. C. Clark, D. B. Goldgof, L. P. Clarke, "Medical image analysis with fuzzy models", *Stat. Meth. in Medical Research*, no. 6, 191-214, 1997.
49. Stark, L., Bowyer, K.W., Hoover, A.W., Goldgof, D.B. "Recognizing Object Function Through Reasoning About Partial Shape Descriptions and Dynamic Physical Properties", *Proceedings of the IEEE*, 84(11), pp. 1640-1658, 1996.
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2. Lawrence Hall, Dmitry Goldgof, Juana Canul-Reich, Prodip Hore, Weijian Cheng and Larry Shoemaker, "Scaling Fuzzy Models", Chapter 2 of *Scalable Fuzzy Algorithms for Data Management and Analysis: Methods and Design*, A. Laurent, M-J Lesot (eds.),pp. 31-53, IGI Global, 2010 (ISBN13: 9781605668581).
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2. S. Basu, L. Hall, D. Goldgof, Y. Gu, V. Kumar, J. Choi, R. Gilles, R. Gatenby, "Developing a Classifier Model for Lung Tumors in CT-scan Images", *IEEE International Conference on Systems, Man and Cybernetics (SMC 2011)*, Anchorage, Alaska, 10/2011.
3. J. Korecki, L. Hall, D. Goldgof, S. Eschrich, "Procedure for Stability Analysis of Gene Selection from Cross-Site Gene Expression Data", *IEEE International Conference on Systems, Man and Cybernetics (SMC 2011)*, Anchorage, Alaska, 10/2011
4. S. Basu, L. Hall, D. Goldgof, Y. Gu, V. Kumar, R. Gatenby, R. Gillies, "Classifying lung tumors from CT-scan images based on 3D image features, *2011 World Molecular Imaging Congress*, San Diego, CA, 9/2011 (abstract only).
5. Y. Gu, V. Kumar, L. Hall, D. Goldgof, R. Korn, C. Bendtsen, R. Gatenby, R. Gillies, "Automated Delineation of Lung Tumors from CT Images: Method and Evaluation", *2011 World Molecular Imaging Congress*, San Diego, CA, 9/2011 (abstract only).
6. V. Kumar, Y. Gu, J. Kim, R. Korn, B. Zhaou, D. Goldgof, L. Hall, R. Gatenby, R. Gillies, "Radiomics of Lung Cancer: Test Retest Reproducibility of Quantitative CT Image Features", *2011 World Molecular Imaging Congress*, San Diego, CA, 9/2011 (abstract only).
7. M. Shreve, N. Jain, D. Goldgof, W. Kropatsch, C. Tzou, M. Frey, "Evaluation of Facial Reconstructive Surgery on Patients with Facial Palsy using Optical Strain", *IAPR 14th International Conference on Computer Analysis of Images and Patterns (CAIP)*, Seville, Spain, 8/2011. (Published in Springer Lecture Notes in Computer Science, 2011, Volume 6854/2011, 512-519.)
8. M. Shreve, S. Godavarthy, D. Goldgof, S. Sarkar "Macro- and Micro-Expression Spotting in Long Videos Using Spatio-temporal Strain", *IEEE International Conference on Automatic Face and Gesture Recognition (FG 2011)*, Santa Barbara, CA, 3/2011.
9. K. Kramer, D. Goldgof, L. Hall, A. Remsen, "Increased Classification Accuracy and Speedup Through Pair-wise Feature Selection for Support Vector Machines", *IEEE SSCI: Symposium on Computational Intelligence and Data Mining*, pp. 318-324, Paris, France, 4/2011.
10. D. Elozory, O. Bonam, K. Kramer, D. Goldgof, L. Hall, O. Mangual, P. Mouton, "Automatic Location of Microscopic Focal Planes for Computerized Stereology" *SPIE Medical Imaging 2011*, Orlando, FL, 2/2011.
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12. J.Canul-Reich, L. Hall, D. Goldgof, S. Eschrich, "Filtering for Improved Gene Selection on Microarray Data", *IEEE International Conference on Systems, Man and Cybernetics*, Istanbul, Turkey, 10/2010.
13. L. Hall, Y. Gu, D. Goldgof, "Evaluating Scalable Fuzzy Clustering", *IEEE International Conference on Systems, Man and Cybernetics (SMC 2010)*, Istanbul, Turkey, 10/2010.

14. M. Shreve, V. Manohar, D. Goldgof, S. Sarkar, "Face Recognition under Camouflage and Adverse Illumination", *Fourth IEEE International Conference on Biometrics: Theory, Applications and Systems (BTAS 2010)*, Washington, DC, 9/2010.
15. V. Kumar, Y. Gu, S. Eschrich, E. Eikman, C. Berman, D. Goldgof, L. Hall, R. Gatenby, Robert Gillies, "Radiomics of Non Small Cell Lung Cancer: Association of Quantitative Image Features with histology and outcomes", *2010 World Molecular Imaging Congress*, Kyoto, Japan, 9/2010 (abstract only).
16. V. Manohar, M. Shreve, D. Goldgof, S. Sarkar, "Modeling Facial Skin Motion Properties in Video and its Application to Matching Faces Across Expressions", *International Conference on Pattern Recognition (ICPR)*, Istanbul, Turkey, 8/2010.
17. S. Godavarthy, J. Candamo, D. Goldgof, R. Kasturi, "Detecting Wires in Cluttered Urban Scenes Using a Gaussian Model", *International Conference on Pattern Recognition (ICPR)*, Istanbul, Turkey, 8/2010.
18. S. Fefilyayev, D. Goldgof, C. Lembke, "Tracking Ships from Fast Moving Camera through Image Registration", *International Conference on Pattern Recognition (ICPR)*, Istanbul, Turkey, 8/2010.
19. L. Hall, D. Goldgof, "On Convergence properties of the Singlepass and Online Fuzzy C-Means Algorithm", *IEEE International Conference on Fuzzy Systems*, Barcelona, Spain, 7/2010.
20. V. Korzhova, G. Sisoiev, D. Goldgof, "Reconstructing experimental data from video records for film flow over a spinning disk", *Fifth European Conference on Computational Fluid Dynamics (ECCOMAS CFD 2010)*, Lisbon, Portugal, 6/2010.

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21. M. Shreve, S. Godavarthy, V. Manohar, D. Goldgof, S. Sarkar, "Towards Macro- and Micro-Expression Spotting in Video Using Strain Patterns", *IEEE Workshop on Applications of Computer Vision (WACV'09)*, Showbird, UT, 12/2009.
22. W. Cheng, L. Hall, D. Goldgof, C. Hu, I. Soto, "Automatic Red Tide Detection from MODIS Satellite Images", *IEEE International Conference on Systems, Man and Cybernetics (SMC 2009)*, San Antonio, TX, 10/2009.
23. V. Kumar, R. Gatenby, E. Eikman, C. Berman, D. Goldgof, L. Hall, Robert Gillies, "Radiomics of Lung Cancer: Quantitative Image Features as Imaging Biomarkers", *2009 World Molecular Imaging Congress*, Montreal, Canada, 9/2009 (abstract only).
24. V. Korzhova, D. Goldgof, G. Sisoiev, "Optical Measurement of 3D Fluid Waves in Video", *9th Conference on Optical 3-D Measurement Techniques 2009*, Vienna, Austria 7/2009.
25. Y. Gu, L. Hall, D. Goldgof, "Ant Clustering using Ensembles of Partitions", *Eighth International Workshop on Multiple Classifier Systems (MCS 2009)*, Reykjavik, Iceland, 6/2009.
26. J. Candamo, D. Goldgof, R. Kasturi, "Using linear color profiles for road detection in UAV images", *SPIE Defense, Security and Sensing: Airborne Intelligence, Surveillance, Reconnaissance (ISR) Systems and Applications VI*, Orlando, FL, 4/2009.
27. S. Fefilyayev, D. Goldgof, C. Lembke, "Autonomous Buoy Platform for Visual Maritime Surveillance: Design and Initial Deployment", *SPIE Defense, Security and Sensing: Ocean Sensing and Monitoring*, Orlando, FL, 4/2009.
28. M. Soria, S. Eschrich, D. Goldgof, "Automated Registration and Quantification of Biophotonic Mouse Images using a Whole Body Atlas", *SPIE Medical Imaging 2009*, Orlando, FL, 2/2009.

Conference - 2008:

29. V. Manohar, M. Shreve, D. Goldgof, S. Sarkar, "Finite Element Modeling of Facial Deformation in Videos for Computing Strain Pattern", *International Conference on Pattern Recognition (ICPR)*, Tampa, FL, December 2008.
30. S. Fefilyayev, D. Goldgof, "Detection and Tracking of Marine Vehicles in Video". *International Conference on Pattern Recognition (ICPR)*, Tampa, FL, December 2008.
31. R. Kasturi, J. Zhang, D. Goldgof, "A New Edge-Based Text Verification Approach for Video", *International Conference on Pattern Recognition (ICPR)*, Tampa, FL, December 2008.
32. R. Kasturi, N. Sulman, T. Sanocki, D. Goldgof, "How Effective Is Human Video Surveillance Performance?", *International Conference on Pattern Recognition (ICPR)*, Tampa, FL, December 2008.
33. J. Candamo, D. Goldgof, "Wire Detection in Low-Altitude, Urban, and Low-Quality Video Frames", *International Conference on Pattern Recognition (ICPR)*, Tampa, FL, December 2008.

34. Juana Canul-Reich, Lawrence O. Hall, Dmitry, Goldgof, Steven A. Eschrich, "Feature Selection for Microarray Data by AUC Analysis", IEEE International Conference on Systems, Man and Cybernetics (SMC 2008), Singapore, October 2008.
35. V. Kamath, D. Goldgof, R. Argilagos, L. Hazlehurst, S. Eschrich, "Towards a Framework for Analysis of Biophotonic Images of Mouse Models of Cancer", International Conference of IEEE Engineering in Medicine and Biology Society (EMBC 2008), Vancouver, Canada, August 2008.
36. P. Hore, L. Hall, D. Goldgof, "Online Fuzzy C Means", Conference of North American Fuzzy Information Processing Society (NAFIPS 2008), New York, NY, May 2008.
37. W. Cheng, C. Hu, I. Soto, F. Muller-Karger, L. Hall, D. Goldgof, "Detection of harmful algal blooms from space: a method using artificial intelligence and modern remote sensing", Ocean Sciences Meeting, Orlando, FL, 3/2008 (abstract).
38. Y. Qiu, X. Sun, V. Manohar, D. Goldgof, "Towards Registration of Temporal Mammograms by Finite Element Simulation of MR Breast Volumes", *Medical Imaging 2008*, San Diego, CA, February 2008.
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40. V. Manohar, P. Soundararajan, V. Korzhovay, M. Boonstra, D. Goldgof, R. Kasturi, R. Bowers, J. Garofolo, "A Baseline Algorithm for Face Detection and Tracking in Video", SPIE Europe Symposium on Security and Defence: Optics And Photonics For Counter-Terrorism And Crime-Fighting, Florence, Italy, September 2007.
41. S. Fefilatyeu, D. Goldgof, L. Langebrake, "Towards detection of marine vehicles on horizon from buoy camera", SPIE Europe Symposium on Security and Defence: Unmanned/Unattended Sensors and Sensor Networks IV, Florence, Italy, September 2007.
42. P. Hore, L. Hall, D. Goldgof, "A Fuzzy C Means Variant For Clustering Evolving Data Streams", IEEE International Conference on Systems, Man and Cybernetics (SMC 2007), Montreal, Canada, October 2007.
43. S. Fefilatyeu, T. Ivanovskiy, L. Hall, D. Goldgof, S. Pobi, C. Garrett, A. Pathak, H. Greenstien, "Clinical Deployment of a Medical Expert System to Increase Accruals for Clinical Trials: Challenges", IEEE International Conference on Systems, Man and Cybernetics (SMC 2007), Montreal, Canada, October 2007.
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45. S. Fefilatyeu, V. Smarodzinava, L. Hall, D. Goldgof, "Horizon Detection Using Machine Learning Techniques", 5 th International Conference on Machine Learning and Applications, pp. 17-21, Leipzig, Germany, July 2007.
46. P. Hore, L. Hall, D. Goldgof, "Single Pass Fuzzy C Means", IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2007), London, England, July 2007.
47. P. Hore, L. Hall, D. Goldgof, "Creating Streaming Iterative Soft Clustering Algorithms", Conference of North American Fuzzy Information Processing Society (NAFIPS 2007), San Diego, June 2007.
48. L. Chen, D. Goldgof, L. Hall, S. Eschrich, "Noise-based Feature Perturbation as a Selection Method for Microarray Data", International Symposium on Bioinformatics Research and Applications, pp. 237-247, Atlanta, Georgia, May 2007.
49. V. Manohar, D. Goldgof, S. Sarkar. Y. Zhang, "Facial Strain Pattern as a Soft Forensic Evidence", IEEE Workshop on Applications of Computer Vision (WACV'07), Austin, TX, February 2007.
50. Y. Zhang, Y. Qiu, D. Goldgof, S. Sarkar, Lihua Li, "3D Finite Element Modeling of Nonrigid Breast Deformation for Feature Registration in X-ray and MR Images", IEEE Workshop on Applications of Computer Vision (WACV'07), Austin, TX, February 2007.

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51. P. Soundararajan, M. Boonstra, V. Manohar, V. Korzhova, D. Goldgof, R. Kasturi, S. Prasad, H. Raju, R. Bowers, J. Garafolo, "Evaluation Framework for Video OCR" 5th Indian Conference on Computer Vision, Graphics and Image Processing (ICVGIP), Madurai, India, December 2006.

52. D. Goldgof, G. Sisoiev, V. Korzhova, "Fluid Flow over a Spinning Disk Reactor", 59th Annual Meeting of the Division of Fluid Dynamics, (video no. 42), Bulletin of the American Physical Society, vol. 51, No. 9, pp. 11, Tampa, November 2006.
53. P. Hore, L. Hall, D. Goldgof, "A Cluster Ensemble Framework for Large Data sets", *IEEE International Conference on Systems, Man & Cybernetics*, Taipei, Taiwan, October 2006.
54. Y. Zhang, J. R. Sullins, D. B. Goldgof, and V. Manohar, "Computing Strain Elastograms of Skin Using an Optical Flow Based Method", *5th International Conference on the Ultrasonic Measurement and Imaging of Tissue Elasticity*, Snowbird, Utah, October, 2006.
55. Y. Zhang, R. W. Kramer, D. B. Goldgof, and V. Manohar, "Development of a Robust Algorithm for Imaging Complex Tissue Elasticity", *5th International Conference on the Ultrasonic Measurement and Imaging of Tissue Elasticity*, Snowbird, Utah, October, 2006.
56. D. Garcia, L. Hall, D. Goldgof, K. Kramer, "A Parallel Feature Selection Algorithm from Random Subsets", *Workshop on Parallel Data Mining (PDM06)*, pp. 64-75, Berlin, Germany, September 2006.
57. V. Korzhova, D. Goldgof, G. Sisoiev, "Image Processing of the Film Fluid Flow in a Spinning Disk Reactor", *8th All-Ukrainian International Conference on Signal/Image Processing and Pattern Recognition - "UkrObraz-2006"*, pp. 175-178, Kyiv, Ukraine, August 2006.
58. V. Korzhova, D. Goldgof, G. Sisoiev, "Detection of Spiral Waves in Video", *International Conference on Pattern Recognition (ICPR)*, pp. 396-399, Hong Kong, August 2006.
59. C. Bethel, L. Hall, D. Goldgof, "Mining for Implications in Medial Data", *International Conference on Pattern Recognition (ICPR)*, pp. 1212-1215, Hong Kong, August 2006.
60. V. Manohar, M. Boonstra, V. Korzhova, P. Soundararajan, M. Boonstra, D. Goldgof, R. Kasturi, S. Prasad, H. Raju, R. Bowers, J. Garofolo, "PETS vs. VACE Evaluation Programs: A Comparative Study", Ninth IEEE International Workshop on Performance Evaluation of Tracking and Surveillance (PETS), pp. 1-6, New York, NY, June 2006.
61. J. Candamo, R. Kasturi, D. Goldgof, S. Sarkar "Vision-based on-board collision avoidance system to aircraft navigation", SPIE Defense and Security Symposium: Intelligent Computing: Theory and Applications IV, SPIE Vol. 6229, Orlando, FL, April 2006.
62. V. Manohar, P. Soundararajan, M. Boonstra, H. Raju, D. Goldgof, R. Kasturi, "Performance evaluation of text detection and tracking in video", 7th IAPR Workshop on Document Analysis Systems, Nelson, New Zealand, February 2006.
63. V. Manohar, P. Soundararajan, H. Raju, D. Goldgof, R. Kasturi, J. Garofolo, "Performance Evaluation of Object Detection and Tracking in Video", 7th Asian Conference on Computer Vision (ACCV), Hyderabad, India, January 2006.

Conference - 2000-2005:

64. L. Hall, T. Luo, D. Goldgof, A. Remsen, "Bit Reduction Support Vector Machine", *IEEE International Conference on Data Mining*, Houston, Texas, pp. 733-736, November 2005.
65. Y. Gu, L. Hall, D. Goldgof, P. Kanade, F. Murtagh, "Sequence Tolerant Segmentation System of Brain MRI", *IEEE International Conference on Systems, Man & Cybernetics*, Hawaii, pp. 2936-2943, October 2005.
66. Y. Zhang, S. Kundu, D. Goldgof, S. Sarkar, L. Tsap, "Elastic Face, An Anatomy-Based Biometrics Beyond Visible Cue", *International Conference on Pattern Recognition (ICPR)*, Cambridge, UK, August 2004.
67. T. Lou, K. Kramer, D. Goldgof, L. Hall, S. Sampson, A. Remsen, T. Hopkins, "Active Learning to Recognize Multiple Types of Plankton", *International Conference on Pattern Recognition (ICPR)*, Cambridge, UK, August 2004.
68. Y. Zhang, D. Goldgof, S. Sarkar, "Significance of Elastic Properties in Physics-Based Nonrigid Motion Modeling, A Numerical Sensitivity Analysis", *IEEE Workshop on Articulated and Nonrigid Motion (ANM2004)*, Washington, DC, June 2004.
69. B. Goswami, E. Fink, L. Hall, D. Goldgof, "Using probabilistic methods to optimize cost and data entry in accrual of patients to clinical trials", *IEEE Symposium on Computer-Based Medical Systems*, Bethesda, MD, June 2004.
70. Y. Qiu, D. Goldgof, L. Li, S. Sarkar, Y. Zhang, S. Anton, "Correspondence Recovery in 2-view Mammography", *2004 IEEE International Symposium on Biomedical Imaging*, Arlington, VA, April 2004.
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