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Professor

Department of Computer Science

Field of Study:

Computer Science

Areas of Research Interest:

- Computational Science and Engineering
- Distributed and Parallel Computing
- High Performance Computing

Areas of Teaching Interest:

- Computer Programming for Scientific Applications

Publications

- **Automated Segmentation & Classification System for Acute Myelogenous Leukemia Detection in Blood Microscopic Images**
S. Agaian, A.T. Chronopoulos, M. Madhukar and X. Wang.
- **New Decision Support Tool for Acute Lymphoblastic Leukemia Classification**
S. Agaian, A.T. Chronopoulos and M. Madhukar, Proc. SPIE 8295, 829518, (2012), doi:10.1117/12.905969.
- **Game-Theoretic Static Load Balancing for Distributed Systems**
A. T. Chronopoulos and S. Penmatsa, Journal of Parallel and Distributed Computing (accepted) Published online at: <http://dx.doi.org/10.1016/j.jpdc.2010.11.016>
- **Statistical Performance Analysis of the MUSIC Algorithm in Angular Sectors,**
A. Bassias and A. T. Chronopoulos, Journal of Signal Processing, Vol.15, No.1, pp.37-46, January 2011.
- **Studying the Impact of Synchronization Frequency on Scheduling Tasks with Dependencies on Heterogeneous Systems**
T. Andronikos, A. T. Chronopoulos, F.M. Ciorba, G. Papakonstantinou and I. Riakiotakis, Performance Evaluation Volume 67, Issue 12, Pages 1324-1339, December 2010.

Conference Proceedings

- **Deterministic Model for Acute Myelogenous Leukemia Classification**
S. Agaian, A.T. Chronopoulos and M. Madhukar, October 14-17, 2012, 2012 IEEE International Conference on Systems, Man and Cybernetics, Seoul, Korea.
- **Two-Dimensional Dynamic Loop Scheduling Schemes for Computer Clusters**
A. T. Chronopoulos, N. Jayakumar, E. Ogharandukun and S. Penmatsa, August 23-25, 2012, IEEE NCA 2012, The 11th International Symposium on Network Computing and Applications, Boston, MA, pp. 96-100.