

Maani, R., S. Camorlinga, N. Arnason. 2012 "A Parallel Method to Improve Medical Image Transmission", *Journal of Digital Imaging*: 25(1): 101-109.

Maani, R., S. Camorlinga, N. Arnason. "Transforming medical imaging applications into collaborative PACS-based telemedical systems", *SPIE Medical Imaging*, vol. 7967, pp. 79670D-79670D-10, 2011.

Maani, R., S. Camorlinga, N. Arnason, R. Eskicioglu. 2010 "A practical fast method for medical imaging transmission based on the DICOM protocol". *SPIE Medical Imaging*, vol. 7628, pp. 76280M-76280M-11, 2010. (Recognized as one of the top ten student papers)

Pundi, V.S. and A. N. Arnason. 2008. "Synthetic Data Generator for Smart Homes". Technical Report, Department of Computer Science, University of Manitoba. 11 pp.

Zhou, X.Y., A. N. Arnason and S.A. Ehikioya. 2005. "A proxy-based communication protocol for mobile agents: protocols and performance". *Proceedings of the 2004 IEEE conference on Cybernetics and Intelligent Systems*. Singapore, December 2004 pp. 53-58 vol 1.

Azzedin, F., M. Maheswaran and A.N. Arnason. 2003. "A synchronous co-allocation mechanism for grid computing systems". *Cluster Computing* 7: 39-49

Recent **Graduate Student Committee** participation in computer science:

(supervised, or co-supervised)

Maani, Rouzbeh. 2010. "Transforming Medical Imaging Applications into Collaborative PACS-based Telemedical Systems". M.Sc. thesis, Department of Computer Science, University of Manitoba, Winnipeg, MB, August 2010 (supervised by A. N. Arnason and S. Camorlinga).

Pundi, V. S. 2008. "Data Mining-based inhabitant action predictor for smart homes using controlled synthetic data". M.Sc. Thesis, Department of Computer Science, University of Manitoba. xii+86pp (co-supervised with R. Eskicioglu).

Zhou X.Y. 2004. "A proxy-based communication scheme for mobile agents". M.Sc. Thesis, Department of Computer Science, University of Manitoba, July 2004 (co-supervised with S. Ehikioya).

(committee participation)

Kadaba, Nivedita Ph.D. Student, Department of Computer Science, University of Manitoba
Supervisor: Pourang Irani
Title: CausViz: Visual Representation of complex causal semantics based on theories of perception.
Defended: Summer 2011.

Jahan, Farhana M.Sc. student, Department of Computer Science, University of Manitoba
Supervisor: Desmond Walton
Title: An investigation of bone image texture analysis for predicting fracture risk.
Defended: Summer 2010.