List of selected papers of Dr. Minh Nguyen: (Recently published since 2012)

Conference papers:

(1) M. Nguyen and Q. Cheng, "Efficient Data Routing for Fusion in Wireless Sensor Networks", The 25th International Conference on Computer Applications in Industry and Engineering, New Orleans, LA, USA, Nov. 2012.

(2) M. T. Nguyen, "Minimizing energy consumption in random walk routing for wireless sensor networks utilizing compressed sensing," in 8th International Conference on System of Systems Engineering (IEEE-SoSE2013), Maui, Hawaii, USA, 2013, June 2013.

(3) M. T. Nguyen and N. Rahnavard, "Cluster-Based Energy-Efficient data collection in wireless sensor networks utilizing compressive sensing," in 2013 - MILCOM 2013 Track 2) Networking Protocols and Performance (MILCOM 2013 Track 2), (San Diego, USA), Nov. 2013.

 (4) M. T. Nguyen and K. A. Teague, "Tree-based Energy – Efficient Data Gathering in Wireless Sensor Network deploying Compressed Sensing" in WOCC 2014 - Networks Symposium (Wireless and Optical Communication Conference - WOCC 2014), (NJIT, Newark, New Jersey, U.S.A.), May 2014.

 (5) M. T. Nguyen and K. A. Teague, "Compressive Sensing Based Data Gathering in Clustered Wireless Sensor Networks" The 9th IEEE International Conference on Distributed Computing in Sensor Systems 2014 (IEEE DCoSS 2014)", (Marina Del Rey, CA, USA) May 2014.

 (6) M. T. Nguyen, K. A. Teague and N. Rahnavard, "Inter-Cluster Multi-hop Routing in Wireless Sensor Networks employing Compressive Sensing" in 2013 - MILCOM 2014 Track 3) Networking Protocols and Performance (MILCOM 2014 Track 3), (Baltimore, USA), Nov. 2014.

 (7) M. T. Nguyen and K. A. Teague, "Neighborhood Based Data Collection in WSNs utilizing Compressive Sensing" The International Conference on Advanced Technologies for Communications 2014 (IEEE-ATC 2014), (Hanoi, Vietnam.), Oct 2014.

(8) M. T. Nguyen and K. A. Teague, "Compressive Sensing Based Energy-Efficient Random Routing in Wireless Sensor Networks" The International Conference on Advanced Technologies for Communications 2014 (IEEE-ATC 2014), (Hanoi, Vietnam.), Oct 2014.

 (9) M. T. Nguyen and K. A. Teague, "Distributed DCT Based Data Compression in Clustered Wireless Sensor Networks," in 2015 11th International Conference on Design of Reliable Communication Networks (DRCN 2015), (Kansas City, Missouri, USA), pp. 253–256, March, 2015.

(10) M. T. Nguyen and K. A. Teague, "Random Sampling in Collaborative and Distributed Mobile Sensor Networks utilizing Compressive Sensing for Scalar Field Mapping," in IEEE International Conference on System of Systems Engineering (SoSE) , (San Antonio, TX, USA) pp. 1–6, May, 2015.

(11) M. T. Nguyen and K. A. Teague, "Compressive and Cooperative Sensing in Distributed Mobile Sensor Networks" The Premier International Conference for Military Communications (MILCOM2015), (Tampa, Florida, USA) Oct, 2015.

(12) M. T. Nguyen, Hung M. La and K. A. Teague, "Compressive and Collaborative Mobile Sensing for Scalar Field Mapping in Robotic Networks," 53rd Annual Allerton Conference on Communication,

Control, and Computing (University of Illinois at Urbana-Champaign, USA, September 28 - October 02, 2015).

(13) M. T. Nguyen and K. A. Teague, "Mobile Distributed Compressive Sensing for Data Collection in Wireless Sensor Networks" in International Conference on Advanced Technologies for Communications (ATC), (Ho Chi Minh city, Vietnam), Oct., 2015.

(14) M. T. Nguyen, K. A. Teague and Son Bui "Compressive Wireless Mobile Sensing for Data Collection in Sensor Networks" in IEEE International Conference on Advanced Technologies for Communications (ATC), (Hanoi, Vietnam), Oct., 2016.

(15) Thiem V. Pham, Lai K. Lai, Quynh T. Quynh and M. T. Nguyen, " Disturbance Estimation Combined with New Adaptive RBF Neural Network for Uncertain System with Disturbance" in IEEE International Conference on Advanced Technologies for Communications (ATC), (Hanoi, Vietnam), Oct., 2016.

Journal papers:

(16) M. T. Nguyen and K. A. Teague "Random Walk based Data Collection in Mobile Sensor Networks utilizing Compressed Sensing" International Journal of Complex Systems – Computing, Sensing and Control - Vol. 3, No.2, pp. 107-117, Dec. 2015 Copyright © 2015, TSI® Press Printed in the USA.

 (17) M. T. Nguyen, K. A. Teague and N. Rahnavard, "CCS: Energy-Efficient Data Collection for Clustered Wireless Sensor Networks utilizing Block-wise Compressive Sensing" ScienceDirect ELSEVIER Computer Network (COMNET). Volume 106, 4 September 2016, Pages 171–185

 (18) Tan D. Vu, Trung T. Tran, Hoa T. Tran and Minh T. Nguyen "Noise Cancellation Methods for Wearable Devices using Microprocessors" International Journal of Electrical and Electronics Engineering (SSRG-IJEEE), ISSN: 2348-8379, Volume 3 Number 10 October 2016

(19) M. T. Nguyen, K. A. Teague "Energy-Efficient Data Collection in Clustered Wireless Sensor Networks employing Distributed DCT" International Journal of Wireless & Mobile Networks (IJWMN), ISSN: 0975-3834, Vol. 8, No. 5, October 2016

(20) Nghiep V. Dinh, Hien N. Nguyen, Tan D. Vu, Huong T.M. Nguyen, Minh T. Nguyen "Exact Linearization Control for Twin Rotor MIMO System" International Journal of Electrical and Electronics Engineering (SSRG-IJEEE), ISSN: 2348-8379, Volume 3 Number 12 December 2016

(21) M. T. Nguyen and K. A. Teague "Compressive Sensing Based Random Walk Routing in Wireless Sensor Networks" ScienceDirect ELSEVIER Ad-hoc Networks , Volume 54, 31 January 2017, Pages 99-110.

(22) M. T. Nguyen "Energy-Efficient Mobile Sensing in Distributed Multi-Agent Sensor Networks", Advances in Science, Technology and Engineering Systems Journal, vol. 2, no. 3, pp. 245-253 (2017).

(23) M. T. Nguyen, H. M. La and K. A. Teague, "Collaborative and Compressed Mobile Sensing for Data Collection in Distributed Robotic Networks," in IEEE Transactions on Control of Network Systems, vol. PP, no. 99, pp. 1-1. Sept. 2017

(24) M. T. Nguyen, Hung M. La, K. A. Teague "Distributed Compressive and Collaborative Sensing Data Collection in Mobile Sensor Networks" ETT - Trans on Emergent Transactions on Emerging Telecommunications Technologies (Submitted)

(25) M. T. Nguyen, K. A. Teague "Compressive Wireless Mobile Sensing" ScienceDirect ELSEVIER Information Processing Letters (Submitted)

(26) M. T. Nguyen, K. A. Teague "Data collection algorithms in Wireless Sensor Networks employing Compressive Sensing: A Survey" (In progress)