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a. Professional Preparation

University of Maine Electrical Engineering B.S. (*magna cum laude*)
University of Maine Electrical Engineering M.S.
University of Rhode Island Electrical Engineering Ph.D.

b. Appointments

Texas A&M Univ. Kingsville Professor 2008-Present
Texas A&M Univ. Kingsville Associate Professor
Texas A&M Univ. Kingsville Assistant Professor
University of Rhode Island Research Specialist
University of Rhode Island Software Engineer
Sprague Electric Co. R&D Engineer
Digital Equipment Corp. Test Engineer

c. Awards and Honors

Dean's Teaching Award, Dotterweich College of Engineering
Fulbright Senior Scholar, Bucharest Politehnica Universitatea, Romania
Distinguished Teacher of the Year Award, Javelina Alumni Association
Nominated for Lockheed Martin Teaching Award
Nominated by Student Government for the "most professional" Educator Award
Member of Eta Kappa Nu

d. Current and Recent Funded Projects

QNRF \$1M, Comprehensive Investigation and Development of Silicon Nanowire Based Photovoltaic Tech., 2013-2016
NSF \$200k, Nanoengineering Education in and Under-Represented Minority University, 2011-2013
NSF \$180k, Laboratory-Based Robotics Program at TAMUK, 2010-2012
URA \$27k, Device and Circuit Behavior Investigation of Small Diameter Nanowires, 2010
URA \$25k, Circuit Behavior Investigation of Single-wall Carbon Nanotube Electronic and Sensor Devices, 2009
NGA \$150k, Vertical Integration of Geospatial Intelligence for South Texas, 2007-2008

e. Selected Publications (total 44)

- Yilmaz, M., Ozcelik, S., Yilmazer N., Reza Nekovei, "Design-Oriented Enhanced Robotics Curriculum," IEEE Transactions on Education, Issue 99, Vol. pp, 2013.
- Qian Du, Reza Nekovei, "Fast real-time onboard processing of hyperspectral imagery for detection and classification," Springer Journal of Real-Time Image Processing, Volume 4, Number 3, pp. 273-286, August, 2009.
- Qian Du, Reza Nekovei, "Implementation of Real-Time Constrained Linear Discriminant Analysis to Remote Sensing Image Classification," Journal of Pattern Recognition, Vol. 38, pp 459-471 April 2005.
- Reza Nekovei, "Unsupervised Extraction of Drainage Network From Digital Elevation Data: A Self-Adaptive Approach," Proceedings of European Space Agency (ESA) on Theory and Application of Knowledge-Driven Image Information Mining with Focus on Earth Observation, ESA Publication Division, September 2004.
- Sun, Y, and A.R., Nekovei, "Neural Network System Techniques and their Application in Medical Imaging," in C.T. Leondes (ed.) "Theme Volumes on Neural Network Systems Techniques and Applications", in the International Series on Advances in Control and Dynamic Systems, ACADEMIC Press, October 1998.
- Nekovei, A.R., and Y. Sun, "Back-propagation Network and its Configuration for Blood Vessel Detection in Angiograms," IEEE Transactions on Neural Networks, vol. 6, no. 1, pp. 64-72, January 1995.
- Kay, S. and A.R. Nekovei, "An Efficient Two-Dimensional Frequency Estimator," IEEE Transactions on Acoustic Speech and Signal Processing, vol. ASSP-38, pp. 1807-1810, October 1990.
- Musavi, M.T., M.V. Shirvaikar, E. Ramanathan, and A.R. Nekovei, "A Vision Based Method to Automate Map Processing," Journal of Pattern Recognition, vol. 4, 1988.
- Verma, Amit, A. Andrei, Reza Nekovei, "High-Field Hole Transport in Small Diameter Silicon Nanowires," 8th IEEE Conference on Nanotechnology, Arlington, Texas, August 2008.
- Morusupalli, Subrahamaya, A. Verma, B. Sheryas, A. Buin, R Nekovei, "Modeling of Switching Response of Small Diameter Nanowire Field Effect Transistors," IEEE Nanotechnology Material and Device Conference, Monterey, CA, October 2010.
- Reza Nekovei, M. Ashtijou, "Reconfigurable Acceleration for Hyperspectral Target Detection," Proceeding of IEEE International Geoscience and Remote Sensing Symposium, Barcelona, Spain, July 2007.