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Education

2010-2019: Babol Noshirvani University of Technology; Ph.D.in Electrical Engineering.

2001-2005: Mazandaran University; MS in Electrical and Electronics Engineering.

1995-2000: Shahid Beheshti University; BS in Electrical and Electronics Engineering.

Publications

- Akbarpour, Mohammedsmaeil, Mrinal Mandal, and M. Hashemi Kamangar. "Novel patch selection based on object detection in HMAX for natural image classification." *Signal, Image and Video Processing* (2021): 1-8.
- Kamangar, M. H., Mollaei, M. K., & Ghaderi, R. (2021). DETERMINATION OF FIBER ORIENTATION IN HIGH ANGULAR RESOLUTION DIFFUSION IMAGING USING SPHERICAL HARMONICS AND PARTICLE SWARM OPTIMIZATION.

Biomedical Engineering: Applications, Basis and Communications, 1850040.

- HASHEMI, KAMANGARA M., MOLLAEIA MR KARAMI, and R. Ghaderi. (2016) "Determination of Fiber Direction in High Angular Resolution Diffusion Images using Spherical Harmonics Functions and Wiener Filter". INTERNATIONAL JOURNAL OF ENGINEERING 29 (3), 328-336
- Pirdashti, Mohsen, Silvia Curteanu, Mehرداد Hashemi Kamangar, Mimi H. Hassim, and Mohammad Amin Khatami. "Artificial neural networks: applications in chemical engineering." Reviews in Chemical Engineering 29, no. 4 (2013): 205-239.
- محسن سريانی، رضا قادری، مهرداد هاشمی کمانگر، پردازش تصاویر ماهواره ای به منظور برآورد میزان تولید برنج، پردازش هوشمند علائم، ۱۳-۲۴، ۱۳۸۵
- Soryani, M., Ghaderi, r., Hashemi Kamangar, M. , Rice fields identification using multi-temporal Satellite images, map india conference, Delhi, India, 2005
- محسن سريانی، رضا قادری، مهرداد هاشمی کمانگر، تخمین میزان محصول برنج با استفاده از تصاویر ماهواره IRS-1D، سومین کنفرانس ماشین بینایی و پردازش تصویر، تهران، ایران، ۱۳۸۳

Research Interests

- Diffusion MRI
- Image processing
- Neural Network
- Signal Processing

Experiences

- Faculty member of Electrical Engineering & Biomedical Engineering Department at Shomal University (2007 up to now).
- Manager of the Laboratories of Shomal University (2008 - 2009).
- Head of Electrical Engineering Department of Shomal University (2009 - 2010).
- Head of Electrical & Biomedical Engineering Department of Shomal University (2015 - 2021).

Teaching Courses

- Electrical Circuit I
- Electrical Circuit II
- Signal & System
- Digital signal Processing

- Neural Network
- Logic Circuit
- Image Processing