Atiye Riasi
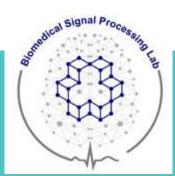
RESEARCH INTERESTS

- Biomedical Signal processing
- Remote health care monitoring systems
- Pattern recognition systems
- Movement disorders detection
- Electronics, hardware developments and prototyping

CONTACT

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ABOUT ME

I am a former member of Biological Signal Processing lab (BSP) at K. N. Toosi University of Technology. During my master's studies, I focused on the prediction of ventricular fibrillation using morphological features of ECG signal. My work includes biomedical engineering in hospital-based health care, electrical installations testing, and safety observer of buildings as a member of Iran Construction Engineering Organization (IRCEO), and referee of science and technology park in electronics and bioelectric fields.

Currently, I am a PhD student in Bioelectric Engineering at K.N. Toosi University of Technology. I am a member of Biomechatronic Systems research group and working on the implementation of a closed-loop remote monitoring and management system to help patients with Parkinson's disease.

EDUCATION

- M.Sc. in Biomedical Engineering– Bioelectric, K. N. Toosi University of Technology Tehran, Iran. 2012-2015
  Instructor: Dr.Maryam Mohebbi
  Thesis : Prediction of ventricular fibrillation using morphological features of ECG signal.

- B.Sc. in Electrical Engineering – Electronic, Ferdowsi, Mashhad, Iran.2008-2011
  Instructor: Dr.Sasan Naseh
  Thesis: speed control of a laboratory spinner motor (design and construction)