



CURRICULUM VITAE

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Niloufar Teyfour

Medical Image and Signal Processing
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Personal details

Birth Day: Sep 1979

Place of Birth: Isfahan

Education

M.Sc: (Biomedical Engineering)

Biomedical Engineering Department, Islamic Azad University(Science and Research Branch), Tehran, Iran (www.srbiau.ac.ir) Sep.2001-Oct.2004

- **M.Sc Thesis:** Classification of Normal and Abnormal Sperms Based on the extraction of head, Tail and neck features.
- **Advisor:** Dr M. H. Moradi

B.Sc: (Biomedical Engineering)

Biomedical Engineering Department, AmirKabir University of Technology, Tehran, Iran. (www.aut.ac.ir) Sep. 1997-Sep.2001

- **B.Sc Thesis:** Design and Fabrication of a tool for amplifying the isolated heart signal .
- **Advisor:** Dr M. Firooz Abadi

Research Interest

- Development of Computer-Aided Method for Classification of Moving non-Rigid Objects.
- Tracking of Moving Objects.

- Medical Image Processing

Publications

Book:

- N. Teyfour and M. PanjeFooladgaran, *The Technique of Pulses*, Kooh Nour, Isfahan, Iran, 2007

Refereed Conference Paper:

- N. Teyfour, M. H. Moradi, V. R. Nafisi, " *Introduction Of New Methode for Sperm Segmentation in Microscopic Images*". In *proc of 11 Iranian Conference on Biomedical Engineering in AmirKabir University(ICBME 2004)*, Tehran, Iran, Feb 2004

Professional Experiences

- Biomedical Engineer in Jahan Gostaresh Tejarat Co, Tehran, Iran, Jun. 1999- Sep 2003. (My job included assemble and repair of Pacemaker, Electroshock and Electrocutter.)
- Biomedical Engineer in ,Isfahan University of Medical Sciences, Isfahan, Iran, Oct. 2003- Sep 2005. (My job included repair of Sonicaid and all kinds of their Probs, Electrocutter, Electroshock, Heart Monitor and Suctions.)
- Biomedical Engineer in General Ahmadiyah Hospital, Isfahan, Iran, Feb. 2004- Present. (My job included install and repair of all medical equipments in our hospital and Taking care of computers network.)
- Biomedical Engineer in Amin Hospital, Isfahan, Iran, Jun. 2009- May 2010. (My job included install and repair of all medical equipments in our)
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Teaching Experiences

- **Course Instructor** (2008-2009) *Signals and Systems*(3 sem), Electrical Department, Islamic Azad University (Majlesi Branch)
- **Course Instructor** (2004-2008) *Linear Control Systems*(3 sem), Electrical Department, Islamic Azad University (Najaf Abad Branch)
- **Course Instructor** (2004-present) *Signals and Systems*(3 sem), Electrical Department, Islamic Azad University (Najaf Abad Branch)
- **Course Instructor** (2004-present) *C++ Programming*(8 sem), Electrical Department, Islamic Azad University (Najaf Abad and Khomeini Shahr Branches)
- **Course Instructor** (2004-present) *Electronic Measurment*(2 sem), Electrical Department, Islamic Azad University (Khomeini Shahr Branch)
- **Course Instructor** (2004-present) *Logical Circuits*(1 sem), Electrical Department, Islamic Azad University (Khomeini Shahr Branch)
- **Course Instructor** (2004-present) *Micro Processors*(1 sem), Electrical Department, Islamic Azad University (Khomeini Shahr Branch)
- **Course Instructor** (2004-present) *Electrical Circuits II*(3 sem) and *I*(3 sem) , Electrical Department, Islamic Azad University (Khomeini Shahr Branch)

- **Lab Instructor** (2004-present) *Electronic I,II*(4 sem), Electrical Department, Islamic Azad University (Najaf Abad and Khomeini Shahr Branch)
- **Lab Instructor** (2004-present) *Logical circuits*(2 sem), Electrical Department, Islamic Azad University (Najaf Abad Branch)

Copmputer and Microcontroller Skills

Computer Software Packages:

- MATLAB.
- C++ Program.
- OpenCv.
- PSpice and Orcad.
- Microsoft Access

Microcontroller Families:

- ATMEL: AVR and 8051

Language Skills

- Farsi: Mother Tongue
- English: Second Language
TOEFL(Paper-Based:513)
- Arabic: Basic Knowledge

References

- Dr M. H. Moradi, Biomedical Engineering Department, AmirKabir University of Technology, Tehran, Iran. Tel: (+98-21) 6454-2399 , Fax: (+98-21) 66468186 , E-mail: mhmoradi@aut.ac.ir
- Dr M. Hashemi Golpaygani, Biomedical Engineering Department, AmirKabir University of Technology, Tehran, Iran. Tel: (+98-21) 6454-2383,6495655 , Fax: (+98-21) 66468186 , E-mail: hashemi_g@morva.net
- Dr M. Vafadoost, Biomedical Engineering Department, AmirKabir University of Technology, Tehran, Iran. Tel: (+98-21) 6454-2362 ,Fax: (+98-21) 66468186 , E-mail: vmansur@cic.aut.ac.ir