

Curriculum Vitae

Mohammad Shirdel

Education

- Started at 2015: M.Sc. in Computer Science, Sapienza University of Rome (GPA: 27.16/30)
- 2008-2014: B.Sc. in Biomedical Engineering (Bioelectric), Amirkabir University of Technology (Tehran Polytechnic), Tehran, Iran (GPA: 14.95/20)
- 2004-2008: National Organization for Development of Exceptional Talents Diploma (NODET), Mathematics and Physics (GPA: 19.08/20)

Research and Academic Projects

- Improving RPL Routing Protocol (*in progress*)
- Zero-Error Capacity of Channels with Memory (*in progress*)
- Designing a Markov Decision Problem Model for Underwater Wireless Sensors Network Routing Problem
- Effects of Pulse Parameters on Electroporation
- Improved SVD-Based Sparsity Basis for Compressed Sensing MRI
- Identification and classification of long bones from 3D data
- Eye tracking in two dimensional movement of the head
- Developed Farsi OCR Using Genetic Algorithm
- Design Tele-Operation with Two-Link Robot over the Internet with Time Delay

Teaching Experiences

- Teacher Assistant (TA)
Engineering Mathematics, Amirkabir University of Technology,
Biomedical Engineering Department, Autumn 2011

Relative Courses

- Internet of Things 30 e lode Sapienza University of Rome

- Stochastic Processes 17.5/20 Khajeh Nasir Tousi University
- Linear Algebra 16/20 Amirkabir University
- Engineering Statistics 15.5/20 Amirkabir University
- Engineering Math 18/20 Amirkabir University
- System Analysis 16.75/20 Amirkabir University
- Communication Systems 15.3/20 Amirkabir University

Honors

- Top of 1% in 2008 University Entrance Exam in 2008 (Between 250,000 Students)
- Awarded Borsa di Studio per Attività di Ricerca (2016)

Certificates

- Preventive Care and Finding Faults in Medical Equipment in the Operating theater
- Technical Supervisor for Medical Equipment for Import and Exports (Certificated by General Administration of Medical Equipment of Iran)
- Workshop on Functional Nanoporous Biomaterials: Modeling, Design and Application (Certificated by National Institute of Genetic Engineering and Biotechnology)