

## SPECIFICATIONS:

Name: Zarifeh Heidary

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Address: Department of electrical engineering, Isfahan University of technology

## Academic Educations:

Degree	From	To	University	Total Avg
B.S.c	2007	2011	Isfahan University of Technology	17.79
M.S.c	2013	2015	Isfahan University of Technology	19.38
PhD	2017	now	Isfahan University of Technology	19.72

## Thesis:

Degree	Title	Supervisor	Advisor	Grade
B.S.c	Thermometry studies and acquisition of technical knowledge of non-contact thermometer	Dr. Jafar Ghaisari	-	19.93
M.S.c	Petri Net Modeling of hypoxia pathway	Dr. Jafar Ghaisari	Dr. Yousof Gheisary	19.72

## Certificates:

- MSRT certificate in English Language, 2017.
- Certificate for participation in the first startup weekend of University of Isfahan as executive team, 2016.
- Certificate for participation in the first startup weekend of Isfahan University of Technology and get top ranking, 2015.
- Certificate for Entrepreneurship skills from General Directorate of Cooperatives, Labor and Social Welfare, 2010.

**Skills:**

- Fluency in English language
- Skilled in specialized software: MATLAB, LabView, CodeVision AVR, BASCOM, SNOOPY, Proteus.
- Cooperation as a trainer in linear control and digital control labs.
- Cooperation as a lecturer in Systems Biology course and related workshops in Regenerative Medicine Lab.
- Collaboration in research projects between Isfahan University of technology and gas transmission industry.

**Awards and honors:**

- Ranking 2 among undergraduate control engineering students in the department of electrical engineering at Isfahan University of Technology in 2010.
- Ranking 2 among master degree students of the department of electrical engineering at Isfahan University of Technology in 2015.

**Registered Invention:**

Non-Contact Infrared Thermometer, 2012.

**Journal papers:**

- Stochastic Petri Net Modeling of Hypoxia Pathway Predicts a Novel Incoherent Feed-Forward Loop Controlling SDF-1 Expression in Acute Kidney Injury, IEEE Transaction on NanoBioScience, VOL.15, NO.1, JANUARY 2016.
- Colored Petri net modeling of small interfering RNA-mediated messenger RNA degradation, Advanced Biomedical Research, 2015.