

# Curriculum Vitae

## Personal Information

**Full Name:** Javad Rezvani Jalal  
**Date of Birth:** Nov. 4, 1985  
**Email:** rezvanijalal@ee.kntu.ac.ir  
**Work:** (+98) 21 84062274  
**Address:** Seyedkhandan, Dr. Shariati Ave, Tehran,  
Islamic Republic of Iran. P.O. Box: 16315-1355



## Education

**Jul. -Dec. 2014:** Visiting student at the Technical University of Berlin, Control Systems Department.  
**2009- Present:** Ph.D. in Electrical Engineering- Control, ECE Faculty,  
K. N. Toosi University of Technology, Tehran, Iran, **GPA 18.16/20**.  
Thesis: **Stabilization and Performance Analysis of Nonlinear Unstable Switched Systems based on Dwell Time Concept and State Dependent Riccati Equation.**  
**2007- 2009:** M.Sc. in Electrical Engineering- Control, ECE Faculty,  
Tarbiat Modares University, Tehran, Iran, **GPA 17.29/20**.  
Thesis: **Identification of PWARX Hybrid Systems using Clustering-based and Bayesian Approaches.**  
**2003- 2007:** B.Sc. in Electrical Engineering- Control, ECE Faculty,  
K. N. Toosi University of Technology, Tehran, Iran, **GPA 17.53/20** (Ranked 3<sup>rd</sup>).  
Project: **Performance Comparison of PID Controller, State Feedback and Fuzzy Controller in the Face of Disturbance, Unmodeled Dynamics and Tracking.**  
**1999- 2003:** Mathematics & Physics Diploma, Shahid Beheshti High school, Hamadan, Iran,  
**GPA 18.59 /20.**

## Research Experiences

- K. N. Toosi University of Technology, Faculty of Electrical and Computer Engineering, **System Identification Lab.** and **Instrumentation Lab.**, Sept. 2009- Present.
- Tarbiat Modares University, Faculty of Electrical and Computer Engineering, Industrial Automation and **Industrial Automation & Instrumentation Lab.**, Apr. 2008- Sept. 2009.
- K. N. Toosi University of Technology, Faculty of Electrical and Computer Engineering, **Instrumentation Lab.**, Sept. 2006- Sept. 2007.

## Teaching Experiences

- **Electrical Measurement**, Hamadan University of Technology
- **Linear Control Laboratory**, Hamadan University of Technology
- **Electric Circuits II**, K. N. Toosi University of Technology
- **Instrumentation Laboratory**, K. N. Toosi University of Technology
- **Fundamentals of Physics and Electronics**, Allameh Majlesi University
- **Linear Control Laboratory**, K. N. Toosi University of Technology
- **C++ Programming Language** (Teacher Assistant), K. N. Toosi University of Technology
- **Modern Control** (Teacher Assistant), Tarbiat Modares University
- **Linear Control Systems** (Teacher Assistant), K. N. Toosi University of Technology
- **Stochastic Control** (Teacher Assistant), K. N. Toosi University of Technology

## Courses

Modern Control (Ranked 2 <sup>nd</sup> )	Industrial Control (Ranked 3 <sup>rd</sup> )	Instrumentation
Linear Control (Ranked 2 <sup>nd</sup> )	Electronics III (Ranked 1 <sup>st</sup> )	Robotics (Ranked 2 <sup>nd</sup> )
Adaptive Control (Ranked 1 <sup>st</sup> )	Optimal Control (Ranked 1 <sup>st</sup> )	Pattern Recognition
Stochastic Control (Ranked 2 <sup>nd</sup> )	Robust Control (Ranked 3 <sup>rd</sup> )	Advanced Mathematics for Control (Ranked 2 <sup>nd</sup> )
Multivariable Control	System Identification (Ranked 3 <sup>rd</sup> )	Nonlinear Control

### Research Interests

- Hybrid and Switched Systems.
- Nonlinear Control.
- Stochastic Control.
- Instrumentation.
- Digital Electronics.

### Software Skills

- MATLAB (Simulink & Toolbox), Maple, Simatic Manager (Step 7), Altera MAX+Plus II, Orcad & PSpice, Proteus, Protel DXP, AutoCAD, C/C++, Visual C++, Microsoft Office.

### Publications

1. **Javad Rezvani Jalal**, Hadi Sadeghi Sharamin, Hamid Khaloozadeh, “Practical implementation and performance comparison of PID controller, State Feedback and Fuzzy controller in the face of disturbance, unmodeled dynamics and tracking”, in Proc. ICEE, Tehran, Iran, 2009.
2. **Book:** Manual Solution of Islamic Azad University entrance exam for graduate studies in Electrical Engineering.

### Awards & Honors

- **2003:** Ranked **1662<sup>th</sup>** among more than 420000 participants in the Iranian nationwide university entrance exam.
- **2007:** Considering bachelor grades, Ranked **3<sup>rd</sup>** among Electrical Engineering- Control students of K. N. Toosi University of Technology.
- **2007:** Qualified to continue graduate studies in K. N. Toosi University of Technology without taking the Iranian nationwide university entrance exam for graduate studies in Electrical Engineering- Mechatronics.
- **2009:** Accepted as a PhD student in K. N. Toosi University of Technology.
- **2009:** Qualified to continue graduate studies as a PhD student in Amirkabir University of Technology.
- **2010:** Have Got Scholarship from Hamden University of Technology.

### Language Skills

- **Persian:** Fluent.
- **Azeri:** Mother Tongue.
- **English:** Advanced.
- **Turkish:** Intermediate.

### References

1. **Prof. Hamid Khaloozadeh**,  
Professor, Electrical and Computer Engineering Faculty,  
K. N. Toosi University of Technology, P.O. Box: 16315-1355, Tehran, I. R. Iran.  
E-mail: h\_khaloozadeh@eetd.kntu.ac.ir, Tel: +98 21 84062422, Fax: +98 21 88462066.
2. **Prof. Ali Khaki-Sedigh**,  
Professor, Electrical and Computer Engineering Faculty,  
K. N. Toosi University of Technology, P.O. Box: 16315-1355, Tehran, I. R. Iran.  
E-mail: sedigh@kntu.ac.ir, Tel: +98 21 84062317, Fax: +98 21 88462066.
3. **Dr. Hamid Reza Momeni**,  
Associate Professor, Electrical and Computer Engineering Faculty,  
Tarbiat Modares University, P.O. Box: 14115-4338, Tehran, I. R. Iran.  
E-mail: momeni\_h@modares.ac.ir, Tel: +98 21 82883375, Fax: +98 21 82884325.