



دکتر محمد جواد خسروجردي

استاد

دانشکده: مهندسی برق و کامپیوتر



**Mohammad Javad**

**Khosrowjerdi**

***Professor in Control Engineering***

Mohammad Javad Khosrowjerdi was born in Tehran, Iran, on May 1, 1970. He received the B.S., M.S., and Ph.D. degrees in electrical engineering from K. N. Toosi University of Technology, in 1993, 1996 and 2003, respectively. From 2001 to 2003, he worked as a visiting researcher at the French National Institute for Research in Computer Science and Control (INRIA) in Rocquencourt, France. At present, he is associate professor at the electrical engineering department of the Sahand University of Technology, Tabriz. His main research interests include Fault Detection and Isolation (FDI), Fault Tolerant Control (FTC), Robotics, Multiobjective Control, Robust and Nonlinear Control

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## Education

Ph.D. 2003 in EE (Honour's class) at K. N. Toosi University of Technology, Tehran, Iran •

M.S. 1996 in EE (GPA 3.66, Honour's class) at K. N. Toosi University of Technology, •  
Tehran, Iran

B.S. 1993 in EE (Honour's class) at K. N. Toosi University of Technology, Tehran, Iran •

### Academic Experience

The member of editorial board of Journal of Nonlinear Systems in Electrical Engineering (JNSEE), An ISC Journal Published by Sahand University of Technology(SUT

(The member of Publication Committee in Sahand University of Technology (SUT

Vice President of Faculty of Electrical Engineering in Sahand University of Technology ((SUT

### :Research Experience

Modelling and Robust Control of Automotive Engines •

Electronic Control of Spark Ignition Engines •

Robust Control especially  $H_\infty$  Control , Mixed  $H_2/H_\infty$  Control and  $\mu$ -Synthesis Design •

Nonlinear Control System Design •

Linear and Nonlinear Control of Twin-Rotor Helicopter •

Simultaneous Optimal Fault Detection and Control •

Fault Tolerant Control (FTC) and Reconfigurable Control •

Multiobjective Control •

Improving the Quality of Control System Education •

### :Teaching Experience

to 2001: assisted the following undergraduate and graduate courses in the 1993 department of electrical engineering, *K. N. Toosi University of Technology*, Tehran, Iran

,Linear Control Systems •

,Modern Control •

,Advanced Engineering Mathematics •

,Digital Control •

,Nonlinear Control •

,Optimal Control •

,System Modelling and Identification •

Process Control & Robotics •

to Present: has taught the following undergraduate, graduate and PhD courses in 2003 the department of electrical engineering, *Sahand University of Tecknology (SUT)*, Sahand, Tabriz, Iran

,Linear Algebra •

,Modern Control •

,Linear Control •

,Digital Control •

,Automotive Modern Control Systems •

,Electrical Circuits •

Signals and Systems •

,Nonlinear Control •

,Multivariable Control •

,Robust Control •

,Optimal Control •

,Adaptive Control •

.Linear Control Laboratory •

Stochastic Process •

Parameter Estimation for Dynamical Systems •

Structural Control for Civil Engineering •

Estimation Theory •

Fault Diagnosis in Control Systems •

## Research Experience

From September 2001 to February 2003: has been with Metalau Project at *the French National Institute for*

. *Research in Computer Science and Control (INRIA)* in Rocquencourt, France

## Books

M. J. Khosrowjerdi, and N. Safari-Shad, Modern Control Systems: Analysis and Design, Published by Sahand University of Technology (SUT), Tabriz, IRAN, 201 (in Persian).

M. J. Khosrowjerdi, Fault Diagnosis and Compensation in Control Systems, Published by Sahand

University of Technology (SUT), Tabriz, IRAN, 2014 (in Persian).

[https://scholar.google.com/citations?user=kWQzw\\_wAAAAJ&hl=en](https://scholar.google.com/citations?user=kWQzw_wAAAAJ&hl=en)

## سوابق تحصیلی

مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۷۲	مهندسی برق الکترونیک	خواجه نصیرالدین طوسی
کارشناسی ارشد	۱۳۷۵	مهندسی برق کنترل	خواجه نصیرالدین طوسی
دکترای تخصصی	۱۳۸۲	مهندسی برق کنترل	خواجه نصیرالدین طوسی

## اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
دانشگاه صنعتی سهند تبریز	عضو هیات علمی	رسمی قطعی	تمام وقت	۳۰

## سوابق اجرایی

عضو کمیسیون تخصصی دانشگاه

عضو شورای انتشارات دانشگاه

## جوایز و تقدیر نامه ها

معاون دانشکده مهندسی برق از بهمن 1396 تا شهریور 1401

## موضوعات تدریس تخصصی

تشخیص عیب  
کنترل تحمل پذیر عیب  
کنترل مقاوم و غیرخطی  
رباتیک

## زمینه های تدریس

کنترل خطی  
جبرخطی  
کنترل مقاوم  
کنترل غیرخطی  
تشخیص عیب

## عضویت در هیات تحریریه مجلات علمی و پژوهشی

مجله سامانه های غیرخطی در مهندسی برق دانشگاه صنعتی سهند