

Majid Hajatipour

Current Position

Assistant Professor, Department of Electrical Engineering, Faculty of Electrical Engineering, the university of Kashan, Kashan, Iran.

Education:

<p>Ph. D. : Electrical Engineering (control), the Iran University of Science and Technology ‘Observer Design based on the switching concept for nonlinear systems’</p>
<p>M.sc. : Electrical Engineering (control), the Iran University of Science and Technology ‘Intelligent Adaptive Controller Design for Switched Reluctance Motors’</p>
<p>B.sc. : Electrical Engineering (Power), Shahid Chamran University of Ahwaz ‘Data Acquisition and Monitoring System Design for Control Lab’</p>

Research Interests:

Observer design, Adaptive controller for uncertain systems, Optimal control, Gas turbine control system (ECU), Intelligent systems,

Teaching Experience:

- Control systems

- Adaptive control
- Optimal control
- Advanced nonlinear control
- Modern control
- Multivariable control
- Nonlinear control
- Electrical circuits

Publications:

M. Hajatipour, M. Farrokhi, 'Adaptive intelligent speed control of switched reluctance motors with torque ripple reduction', May 2008, journal of Energy Conversion and Management.

Ali Zangeneh, Ahad Kazemi, Majid Hajatipour and Shahram Jadid,' A LYAPUNOV THEORY BASED UPFC CONTROLLER FOR POWER FLOW CONTROL' September 2009 International Journal of Electrical Power & Energy Systems 31(7-8):302-308.

M. Hajatipour, M. Farrokhi, 'Increasing accuracy in non-linear sliding-mode observers without decreasing sampling time using frequency domain analysis', March 2012, IMA Journal of Mathematical Control and Information.

M. Hajatipour, M. Farrokhi, 'Chattering free with noise reduction in sliding-mode observers using frequency domain analysis', September 2010, Journal of Process Control 20(8):912-921

S. Kashefi , M. Hajatipor,' Adaptive Predictive Observer Design for Class of Uncertain Nonlinear Systems with Bounded Disturbance, International Journal of Control Science and Engineering, 2018; 8(2): 31-35.

Karimi, Farzaneh & Majid Hajatipour, 'A new adaptive observer for a class of bioreactor models', *اولین کنفرانس بین المللی دستاوردهای نوین پژوهشی در مهندسی برق و* 1395, تهران, کنفدراسیون بین المللی مخترعان جهان, کامپیوتر

A. N. Avanaki, M Hajatipour, 'Combination of fault tolerant controller and gyro bias observer in satellite attitude determination system' , 2017 International Symposium on Computer Science and Software Engineering Conference (CSSE)