



School of Electrical & Computer Engineering
Shiraz University
Shiraz- Iran
Mobile: +98-917-1047643
Fax: +98-713-2303081

Alireza Khayatian, Professor

Email: khayatia@shirazu.ac.ir

-Fields of Interest:

- Nonlinear Control & Discrete-Time Systems
- Asymptotic Methods in Control
- Modeling & Control of Robotics Systems
- Navigation and Estimation
- Application of Control in Power System & Power Electronics

-Academic Education:

- Ph.D. in Electrical Engineering – Control, 1993
Georgia Institute of Technology,
Atlanta, Georgia, USA
- M.Sc. in Electrical Engineering – Power, 1988
Tarbiat Moddares University,
Tehran, Iran
- B.Sc. in Electrical Engineering – Power, 1984
Isfahan Institute of Technology,
Isfahan, Iran

- Positions:

- Head of Electrical Engineering Department,
School of Engineering, Shiraz University, Iran 1993-1996
- Vice Dean in Research
School of Engineering, Shiraz University, Iran 1996-1998
- Dean of School of Engineering, Shiraz University, Iran 2005-2007
- Dean of School of Electrical & Computer Engineering,
Shiraz University, Iran 2011-2016
- Editor of Iranian Journal of Science & Technology- Transaction Electrical
Engineering 2000- 2020.

- Journal & Conference Publications: More than 70 Journal Publications and More than 80 Conference Publications which some recent Journal Publications are:

-M. Raoufat, A. Khayatian, A. Mojallal, "Performance Recovery of Voltage Source Converters with Application to Grid-connected Fuel Cell DGs," To appear in *IEEE Transactions on Smart Grid*, (2016).

-M. Hayati, A. Khayatian, M. Dehghani, "Simultaneous Optimization of Net Power and Enhancement of PEM Fuel Cell Lifespan Using Extremum seeking and Sliding Mode Control Techniques," To appear in *IEEE Transactions on Energy Conversion*, (2016).

-P. Kohan-Sedgh, A. Khayatian, M.H. Assemani, "Conservatism Reduction in Simultaneous Output Feedback Stabilization of Linear Systems," To appear in *IET Control Theory & Applications*, (2016).

-V. Ghaffari, P. Karimaghaee, A. Khayatian, "A Reset-time Dependent Approach for Stability Analysis of Nonlinear Reset Control Systems," in *Asian Journal of Control*, Vol. 18, No. 6, pp. 1-11, Nov. 2016.

-R. Dadkhah-Tehrani, A. Khayatian, "Adaptive Friction Compensation: Modular Design with Passive Identifier," in *Asian Journal of Control*, Vol. 18, No. 6, pp. 1-9, Nov. 2016.

-M. Kazerooni, A. Khayatian, A. safavi, "Robust Delay Dependent Fault Estimation for a Class of Interconnected Nonlinear Time Delay systems," in *International Journal of Control, Automation and Systems*, Vol. 14, No. 2, pp. 569-578, 2016.

-M. Ebrahimi, A. Kahyatian, E. Farjah, "A Novel Optimizing Power Control Strategy for Centralized Wind Farm," in *Renewable Energy*, Vol. 86, pp. 399-408, 2016.

-V. Ghaffari, P. Karimaghaee, A. Khayatian, "Stability Analysis and Performance Improvement of Uncertain Linear Systems with Designing of a Suitable Reset Law," in *IET Control Theory & Applications*, Vol. 9, No. 17, pp. 2532-2540, 2015.

N. Noroozi, A. Khayatian, H. Karimi, "Semiglobal practical integral input-to-state stability for a family of parameterized discrete-time interconnected systems with application to sampled-data control systems," in *Nonlinear Analysis Hybrid System*, Vol. 17, pp. 10-24, 2015.

-M. Mousavi, A. Khayatian, "Dead-Zone Model Based Adaptive Backstepping Control for a Class of Uncertain Saturated Systems," in *Asian Journal of Control*, Vol. 18, No. 4, pp. 1-11, July 2015.

- Ph.D. Thesis Journal Publications:

- A. Khayatian and D.G. Taylor, "Multirate Control of Linear Systems by Pulse Width Modulation," in *IEEE Transactions on Automatic Control*, Vol. 39, No.6, pp. 1292-1297, June 1994.

- A. Khayatian and D.G. Taylor, "Multirate Modeling and Control Design for Switched-Mode Power Converters" in *IEEE Transactions on Automatic Control*, Vol. No.9, pp. 1848-1852, Sep. 1994.