

Conference Publications (English)

1. *Design of robust adaptive digital set point tracking PID controllers for linear multivariable plants*, B. Porter, A. Khaki- Sedigh, Proceedings of the fifth Yale workshop on applications of adaptive system theory, Yale university, pp 96- 106, 1987.
2. *Design of digital set point tracking PID controllers for warships*, B. Porter, A. Khaki- Sedigh, IEE coll. On control in marine industry, pp 1- 3, 1988.
3. *Design of digital set point tracking PID controllers for hydrofoils*, B. Porter, A. Khaki- Sedigh, Proc. of IEE International Conference on Control, Control 88, pp 660-665, 1988.
4. *Design of robust digital set point tracking PI controllers for non- minimum phase multivariable plants*, B. Porter, A. Khaki- Sedigh, IFAC workshop on robust adaptive control, Newcastle, Australia, 20-24 August, 1988.
5. *Design of adaptive digital set point controllers for linear multivariable type-one plants*, B. Porter, A. Khaki- Sedigh, IFAC Symposium on Adaptive Systems in Control and Signal Processing, pp 193-198, 1989.
6. *Design of tunable digital set point tracking controllers for linear multivariable mixed-type plants*, B. Porter, A. Khaki- Sedigh, International Conference on Modeling and Control, Tehran, Iran, 1990.
7. *Transmission zeros assignment for linear multivariable plants*, A. Khaki- Sedigh, IASTED International Symposium on Modeling Identification and Control, Austria, 1991.
8. *Design of high gain error actuated controllers for linear multivariable non-minimum phase plants*, A. Khaki- Sedigh, 1991 American Control Conference Boston, June 26-28, 1991.
9. *Building an expert system for turbogenerator fault diagnosis and repair*, A. Khaki- Sedigh, J. Sayad, S. Sayad, Italy, ISSMM., 1991.
10. *Design of fast sampling error actuated adaptive controllers for linear multivariable plants*, A. Khaki- Sedigh, J. Kamali, ICARCV'92, Second International Conference on Automation, Robotics and Computer Vision, 15-18 Sep. 1992, Singapore.
11. *An expert system for alarm processing in power system operation*, A. Khaki- Sedigh, J. Sayad, P. Hamidi, University of British Columbia, IASTED International Conference on Power System Engineering, Vancouver, Canada, 5-7 Aug., 1992.
12. *An expert system for alarm processing in power system operation (ALCON)*, A. Khaki- Sedigh, J. Sayad, P. Hamidi, S. Saltryan, International conference on fault diagnosis, Toulouse, France, April 5-7, 1993.
13. *An expert system for power transformers fault diagnosis (TRANTEX)*, A. Khaki- Sedigh, J. Sayad, P. Hamidi, A. P. Nanjappa, Cigre Symposium, Berlin, 1993.
14. *Design of robust PSS using QFT*, A. Khaki- Sedigh, G. Alizahedi, IEE International Conference on Control 94, Coventry, England, 1994.
15. *On- line tuning of PID controllers using Neural Networks*, A. Khaki- Sedigh, H. Jula, ICARCV'94, Fourth International Conference on Automation, Robotics and Computer Vision, Singapore, 1994.
16. *sDecoupling of multivariable systems using inverse neuro-controllers*, A. Khaki- Sedigh, A. S. Mootab, International conference on intelligent and Cognitive Systems, ICIC 1996, Tehran, October 1996.
17. *Adaptive control of stable platforms using Neural Networks*, A. Khaki- Sedigh, H. Khaloozadeh, ICARCV 96, Fourth International Conference on control, Automation, Robotics and Vision, 3-6 December 1996, Singapore, Westin Stanford.
18. *Necessary and sufficient conditions for multivariable pole placement and entire eigenstructure assignment through output Feedback*, Y. B. Toosi, A. Khaki- Sedigh, The 3rd IMAC/IEEE Int. Conference, CSCC99, Greece, 1999.
19. *Long term prediction of Tehran price index(TEPIX) using neural networks*, H. Khaloozadeh, A. Khaki- Sedigh, C. Lucas, Proceedings of the 2nd Irano-Armenian Workshop on Neural Networks, pp139,145,1999.
20. *Output Feedback diagonal dominance via H_∞ theory*, A. Khaki- Sedigh, B. Labibi, ICEE99, Tehran, Iran, 1999.
21. *H_∞ controller design for SVC to enhance the voltage profile in industrial networks*, A. Taher, A. Abedi, H. Seifi, A. Khaki- Sedigh, ICEE 99, Tehran, Iran, 1999.
22. *High Gain Decentralized Control of Large- Scale Systems*, Labibi, B., Lohmann, B., Khaki Sedigh, A. Jabedar Maralani, P. Proceedings of the IASTED Conference on

- Modeling, Identification and Control (MIC), Innsbruck 2000, pp. 105-108.
23. *Decentralized Robust Control of Large- Scale Systems via Sensitivity Reduction to the Interactions*. Labibi, B., Lohmann, B., Khaki Sedigh, A. Jabedar Maralani, P. Accepted at IEEE American Control Conference 2000.
 24. *Genetic Methodology for Linear output Feedback Control Law Design*, Y. Bavafa, A.Khaki-Sedigh, Engineering Series, Signal Processing and Computer Science, World Scientific and Engineering Press, pp375-380, 2000.
 25. *Authoritative Seismic Excited Structural Control via Classical PID*, Y. Bavafa, A. Khaki-Sedigh, S. Ghasemzadeh, Signal Processing and Computer Science, World Scientific and Engineering Press, pp 370-373, 2000.
 26. *Robust Automotive Engine Speed Control: Tracking and Regulation via classical PID*, Y. Bavafa, A. Khaki-Sedigh, WAC, Intelligent Automation and Control, Vol. 9, TSI Press series, 2000.
 27. *Decentralized Robust Control of Large Scale Systems via Sensitivity Reduction to the Interactions*, B. Labibi, B. Lohmann, A. Khaki-Sedigh, P. Jabbedar Maralani, ACC2000, Hyatt Regency Hotel, USA, June 28-30, 2000.
 28. *Predictability and correlation and Correlation Analysis of the Dynamical behaviour of the Metrological Data*, A. Khaki-Sedigh, M. Zamanian, XIV International Conference on Systems Sciences, Wroclaw, Poland, Sept. 11-13, 2001.
 29. *An Agent Based Approach to Multivariable Control*, M. Fatourehchi, C. Lucas, and A. Khaki-Sedigh, IASTED International Conference on Artificial Intelligence and Applications, Marbella, Spain, pp 376-381, Sept 4-7, 2001.
 30. *Minimum Sensitivity in Linear Output Feedback Design*, Y. Bavafa-Toosi, A. Khaki-Sedigh, 5th World Automation Congress(WAC), USA, June 2002.
 31. *Stability is a Fuzzy Concept*, Y. Bavafa-Toosi, A. Khaki-Sedigh, 6th WSEAS CSCC, Crete, Greece, July 2002.
 32. *A Genetic Approach to the Design of linear Output Feedback Controllers*, Y. Bavafa-Toosi, A. Khaki-Sedigh, Invited Paper, SSGRR 2002s, L'Aquila, Rome, Italy, July 2002.
 33. *Decentralized Quantitative Feedback Design of Large Scale Systems*, B. Labibi, B. Lohmann, A. Khaki-Sedigh, P. Jabbedar Maralani, IFAC 15th World Congress, BARCELONA, Spain, July 21-26, 2002.
 34. *Determining Embedding Dimension from Output Time Series of Dynamical systems: Scalar and Multiple output Cases*, M. Ataei, A. Khaki-Sedigh, B. Lohmann, C. Lucas, Second Int. Conf. On System Identification and Control Problems, Moscow, Russia, JAN 29-31, 2003.
 35. *Determination of Embedding dimension using multiple time series*, M. Ataei, A. Khaki-Sedigh, B. Lohmann, C. Lucas, 4th International Symposium On mathematical modeling, Vienna, 5-7 Feb. 2003.
 36. *Applying CBRL(Context Based Reinforcement Learning) to Multivariable Control of HVAC System*, F. Rashidi, C. Lucas, A. Khaki-Sedigh, International Conference on Intelligent Data Mining and Automated Learning, IDEAL 03, Hong Kong, March 2003.
 37. *Intelligent Control Based on Brain Emotional Learning Algorithm with Temporal Difference Learning and Context Study*, J. Abdi, F. Rashidi, C. Lucas, A. Khaki-Sedigh, D. Shahmirzadi, International Conference on Intelligent Data Mining and Automated Learning, IDEAL 03, Hong Kong, March 2003.
 38. *Solving Weighted Mixed Sensitivity H-inf Problem by Decentralized Output Feedback via Modifying Weighting Functions and using Descriptor System Representation*, B. Labibi, A. Khaki-Sedigh, P. Jabbedar Maralani, B. Lohmann, 4th IFAC Symposium on Robust Control Design, Milano, Italy, June 2003.
 39. *Estimating the Lyapunov Exponents of Chaotic Time Series Based on Polynomial Modelling*, M. Ataei, A. Khaki-Sedigh, B. Lohmann, 13th IFAC Symposium on System Identification, Rotterdam, Netherlands, August 2003.
 40. *Identification of the Dynamics of the Google's Ranking Algorithm*, A. Khaki-Sedigh, M. Roudaki, 13th IFAC Symposium on System Identification, Rotterdam, Netherlands, August 2003.
 41. *On the Predictability of Tehran Price Index (TEPIX)*, H. Khaloozadeh, A. Khaki-Sedigh, IEEE Conference on Control Applications, CCA2003, Turkey, June 23-25, 2003.
 42. *Relative Gain Array Analysis of Uncertain Multivariable Plants*, A. Khaki-Sedigh, B. Moaveni, ECC2003, Cambridge, UK, Sep 2003.
 43. *Solving Weighted Mixed Sensitivity H-infinity Problem by Decentralized Control Feedback*, B. Labibi, A. Khaki-Sedigh, P. Jabbedar Maralani, B. Lohmann, ECC2003, Cambridge, UK, Sep 2003.

44. *Estimating the Lyapunov Exponents of Chaotic Time Series: A Model Based Approach*, M. Ataei, A. Khaki-Sedigh, B. Lohmann, C. Lucas, ECC2003, Cambridge, UK, Sep 2003.
45. *Adaptive input-output pairing using on-line RGA identification*, A. Khaki-Sedigh, B. Moaveni, First African Control Conference, University of Cape Town, 3-5 December 2003.
46. *Automatic QFT controller design using LMI theory*, V S. Bokharaie, A. Khaki-Sedigh, First African Control Conference, University of Cape Town, 3-5 December 2003.
47. *Reconfigurable Output Feedback Design using Eigenstructure Assignment*, A. Esna Ashari, A. Khaki-Sedigh, SICE2004, Japan, 2004.
48. *Relationship Between Inverse Optimality and Gain Margin Concepts*, A. Shahmansourian, B. Moshiri, A. Khaki-Sedigh, S. Mohammadi, Mechatronics and Robotics04, Achen, Germany, Sept 13-15, 2004.
49. *Inverse Optimal Control Design using Quadratic Approximation of CLF*, , A. Shahmansourian, , A. Khaki-Sedigh, B. Moshiri S. Mohammadi, Mechatronics and Robotics04, Achen, Germany, Sept 13-15, 2004.
50. *Short-Term Prediction of Air Pollution using Multi-Layer Perceptron and Gamma Neural Networks*, M. A. Shoorehdeli, M. Teshnehlab, A. Khaki-Sedigh, CONTROL 2004, University of Bath, UK, Sept6-9, 2004 .
51. *A Novel Design Approach for Tracking Error Specifications in SISO-QFT: A Minimum Phase Case*, S. M. Mahdi Alavi, A. Khaki-Sedigh, and B. Labibi, MED'04, 2004.
52. *A New Algorithm in Satellite Attitude Determination*, M. Nasirean, H. Bolandi, A. Khaki-Sedigh, and A. R. Khogar, 5th IAA Symposium on Small Satellites for Earth Observation, Berlin, Germany, April 4-8, 2005.
53. *Decentralized Controller Design In MIMO-QFT for Tracking Error Specifications*, S. M. Mahdi Alavi, A. Khaki-Sedigh, and B. Labibi, The 1st International Conference on Control and Optimization with Industrial Applications, Baku, Azerbaijan, May 22-25, 2005.
54. *Optimal Design of Robust Adaptive Controllers: A QFT-EEAS based approach using Random Optimization Techniques*, A. Khaki Sedigh, O. Namaki-Shoushtari, and B. N. Araabi, Proc. 5th International Conference on Control and Automation, Hungary, June 2005.
55. *Reconfigurable Sliding-Mode Control Design Using Genetic Algorithms and Eigenstructure Assignment*, A. Esna Ashari, M J. Yazdanpanah, and A. Khaki Sedigh, Proc. 5th International Conference on Control and Automation, Hungary, June 2005.
56. *Output Feedback Reconfigurable Controller Design Using Eigenstructure Assignment:Post-Fault Order Change*, A. Esna Ashari, and M J. Yazdanpanah, A. Khaki Sedigh, Proc. 5th International Conference on Control and Automation, Hungary, June 2005.
57. *Adaptive Control of Chaos in Nonlinear Discrete-Time Systems Using Time-Delayed State Feedback*, A. Yazdanpanah, A. Khaki-Sedigh, International Conference PhysCon 2005,Saint Petersburg, RUSSIA, August 24-26, 2005.
58. *Adaptive Control of Chaos in Nonlinear Chaotic Discrete-Time Systems*, Am. Yazdanpanah, A. Khaki-Sedigh, Ar. Yazdanpanah, International Conference PhysCon 2005, Saint Petersburg, RUSSIA, August 24-26, 2005.
59. *Pre-Filter Design for Tracking Error Specifications in MIMO-QFT*, S.M. Mahdi Alavi, Ali Khaki-Sedigh, and Batool Labibi, CDC-ECC, Spain, 2005.
60. *Design of a Novel Sattelite Attitude Determination Algorithm*, M. Nasirian, H. Bolandi, A. Khaki-Sedigh, and R. Khogar, International Conference on Engineering Education, Siliesian University of Technology, Poland, July 25-29, 2005.
61. *Design of Satellite Attitude Control Simulator*, M. Nasirian, H. Bolandi, A. Khaki-Sedigh, and A. R. Khoogar, 1st International Symposium on Systems and Control in Aerospace and Astronautics, Jan 19-21, Harbin, China, 2006.
62. *Predictive Control of Earth Station Antenna with Friction Compensation*, I. Mohammadzaman, A. Khaki-Sedigh, and M. Nasirian, ICMA2006, IEEE International Conference on Mechatronics and Automation, Luoyang, Henan, China, June 25-28, 2006.
63. *Predictive Control of Non-minimum Phase Motor with Backlash in an Earth Station Antenna*, I. Mohammadzaman, A. Khaki-Sedigh, and M. Nasirian, The 25th Chinese Control Conference, Harbin, China, August 7-11, 2006.
64. *Predictive Control of Earth Station Antenna with Backlash Compensation*, I. Mohammadzaman, A. Khaki-Sedigh, ans M. Nasirian, IEEE International Conference on Control Applications, IEEE International Symposium on Computer Aided Control Systems Design, IEEE International Symposium on Intelligent Control, Munich,

- Germany, October 4-6, 2006.
65. *A Novel Design Approach for Multivariable Quantitative Feedback Design with Tracking Error Specifications*, S M M Alavi, A. Khaki-Sedigh, B. Labibi, International Control Conference 2006, Glasgow, UK, 30th Aug to 1st Sep, 2006.
 66. *On-Line Input/Output Pairing for Linear and Nonlinear Multivariable Plants using Neural Networks* M. Moaveni, A. Khaki-Sedigh, International Control Conference 2006, Glasgow, UK, 30th Aug to 1st Sep, 2006.
 67. *An LMI Approach to Automatic Loop-Shaping of QFT Controllers*, V S Bokharaie, A. Khaki-Sedigh, International Control Conference 2006, Glasgow, UK, 30th Aug to 1st Sep, 2006.
 68. *Simulation of Bending Vibration Effects on Attitude Control of a Flexible Launch Vehicle*, J. Roshanian, A. Khaki-Sedigh, A. Khoshnood, IASTED Asian Conference, Modelling, Simulation, Beijing, China, October 8-10, 2007.
 69. *A QFT/EEAS Design of Multivariable Robust Adaptive Controllers*, O. Namaki Shoushtari, A. Khaki-Sedigh, and B. N. Araabi, Proceedings of the IFAC 17th World Congress, Korea, July 6-11, 2008.
 70. *Disturbance Rejection in Neural Network Model Predictive Control*, A. Jazayeri, A. Fatehi, H. Sajaddian, and A. Khaki-Sedigh, Proceedings of the IFAC 17th World Congress, Korea, July 6-11, 2008.
 71. *Stable Learning Approaches for ANFIS as an Identifier*, A. Aliyari, M. Teshnehlab, and A. Khaki-Sedigh, Proceedings of the IFAC 17th World Congress, Korea, July 6-11, 2008.
 72. *Delayed Feedback Control of Delayed Chaotic Systems: Numerical Analysis of Bifurcation*, N. Vasegh, A. Khaki Sedigh, ENOC, St. Petersburg, Russia, 2008.
 73. *A Disturbance Rejection Supervisor in Multiple-Model Based Control*, E. Peymani Froushani, A. Fatehi, and A. Khaki Sedigh, International Control Conference 2008, Manchester, UK, Sep 2008.
 74. *Automatic Learning in Multiple Model Adaptive Control*, E. Peymani Froushani, A. Fatehi, and A. Khaki Sedigh, International Control Conference 2008, Manchester, UK, Sep 2008.
 75. *Low Complexity Control of Hybrid Systems with Application to Control of Step-down DC-DC Converters*, J. Habibi, B. Moshiri, and A. Khaki Sedigh, International Control Conference 2008, Manchester, UK, Sep 2008.
 76. *Improved FOPDT model estimation with Delayed-relay feedback for constant time dominant processes*, Z. Tehrani Zamani, B. Moshiri, A. Khaki Sedigh, and A. Fatehi, International Control Conference 2008, Manchester, UK, Sep 2008.
 77. *Relay feedback based monitoring and autotuning of processes with gain nonlinearity*, Z. Tehrani Zamani, B. Moshiri, A. Khaki Sedigh, and A. Fatehi, International Control Conference 2008, Manchester, UK, Sep 2008.
 78. *A New Approach to Input-Output Pairing Analysis for Uncertain Multivariable Plants*, B. Moaveni and A. Khaki Sedigh, International Control Conference 2008, Manchester, UK, Sep 2008.
 79. *Neural Predictive Control for Wide Range of Process Systems*, S. A. Jazayeri Moghadas, A. Fatehi, H. Sadjadian, A. Khaki-Sedigh, International Control Conference 2008, Manchester, UK, Sep 2008.
 80. *Suboptimal control of hybrid systems using approximate multi-parametric MILP*, Habibi, J., A. Khaki Sedigh, CDC 2008, 47th IEEE Conference on Decision and Control, pp 2129-2134, 9-11 Dec. 2008.
 81. *Generalized Predictive Control of a Multivariable pH Neutralization Process Using Independent Model Approach*, P. Bagheri, A. Khaki-Sedigh, and B. A. Neshastehriz, Proceedings of 2009 CACS International Automatic Control Conference, National Taipei University of Technology, Taiwan, Nov. 27-29, 2009.
 82. *Study of Multiple Model Predictive Controllers on a pH Neutralization Plant*, A. Shamsoddinlou, A. Fatehi, A. Khaki-Sedigh, Proceedings of 2009 CACS International Automatic Control Conference, National Taipei University of Technology, Taiwan, Nov. 27-29, 2009.
 83. *Active Vibration Control using Switching Based Multi Objective Control*, L. Soltanian, A. Khaki-Sedigh, O Namaki-Shoushtarim, Proceedings of 2009 CACS International Automatic Control Conference, National Taipei University of Technology, Taiwan, Nov. 27-29, 2009.
 84. *Enhancement of Multi Objective Control Performance via Switching*, L. Soltanian, A. Khaki-Sedigh, O Namaki-Shoushtarim, CCDC2009, China, 2009.

85. *Multi Objective Control of an Active Vibration System via Switching*, L. Soltanian, A. Khaki-Sedigh, O. Namaki-Shoushtarim, The 7th International Conference on Control & Automation, New Zealand, Dec. 9-11, 2009.
86. *Delayed feedback control of delayed chaotic systems*, N. Vasegh, A. Khaki Sedigh, PHYSCON, 4th International Scientific Conference on Physics and Control, Italy, Sep 1-4 2009.
87. *Design of Decentralized Supervisory Based Switching QFT Controller for Uncertain Multivariable Plants*, O. Namaki-Shoushtari, A. Khaki Sedigh, Joint 48th IEEE Conference on Decision and Control and 28th Chinese Control Conference, Shanghai, P.R. China, December 16-18, 2009.
88. *Control Loop performance Diagnosis Based on The Dempster Shafer Theory*, M. Kharaziha, A. Khaki Sedigh, B. Moshiri, 24th Symposium of Malaysian Chemical Engineers /1st International Conference on Process Engineering and Advanced Materials, KL, Malaysia, 2010.
89. *Neural Network Model-Based Predictive Control for Multivariable Nonlinear Systems*, Bahareh Vatankhah Alamdari, Alireza Fatehi, and Ali Khaki-Sedigh, 2010 IEEE International Conference on Control Applications, Part of 2010 IEEE Multi-Conference on Systems and Control, Yokohama, Japan, September 8-10, 2010.
90. *An Analysis of Variance Approach to Tuning of Generalized Predictive Controllers for Second Order plus Dead Time Models*, A. R. Neshasteriz, A. Khaki-Sedigh, and H. Sadjadian, 2010 8th IEEE International Conference on Control and Automation, Xiamen, China, June 9-11, 2010.
91. *Input-output Pairing Based on the Control Performance Assessment Index*, S. Choobkar, A. Khaki Sedigh, A. Fatehi, IEEE, 978-1-4244-5848-6/10, pp 492-496, 2010.
92. *Neural network model-based predictive control for multivariable nonlinear systems*, Alamdari, B.V. , Fatehi, A., Khaki-Sedigh, A., Proceedings of the IEEE International Conference on Control Applications, Japan, Article number 5611265, Pages 920-925, 2010.
93. *Traffic state variables estimating and predicting with extended Kalman filtering*, J. Abdi, , B. Moshiri, E. Jafari, A. Khaki Sedigh, International Conference on Power, Control and Embedded Systems, ICPCES 2010; Allahabad; 28 November 2010 through 1 December 2010; Category number CFP1009L-ART; Code 83832, 2010.
94. *Comparison of RBF and MLP neural networks in short-term traffic flow forecasting*, J. Abdi, , B. Moshiri, A. Khaki Sedigh, International Conference on Power, Control and Embedded Systems, ICPCES 2010; Allahabad; 28 November 2010 through 1 December 2010; Category number CFP1009L-ART; Code 83832, 2010.
95. *Optimal Control of Ride Comfort of a Passenger Car: Comparison between the Hydro Active and the Fully Active Suspension Systems*, E. Sarshari, A. Khaki Sedigh, H. Sadati, SAE International, DOI: 10.4271/2010-01-1913, 2010.
96. *Traffic state variables estimating and predicting with neural network via extended Kalman filter algorithm with estimated parameters as offline*, 8th IEEE International Symposium on Intelligent Systems and Informatics, SIISY 2010; Subotica; 10 September 2010 through 11 September 2010; Category number 10EX4484; Code 83090, 2010.
97. *Robust Control of a pH Neutralization Process Plant Using QFT*, R. Shabani, A. Khaki Sedigh, and K. Salahshoor, International Conference on Control, Automation and Systems 2010, KINTEX, Gyeonggi-do, Korea, Oct. 27-30, 2010.
98. *A Hybrid EKF-Fuzzy Approach to Fault Detection and Isolation of Industrial Gas Turbines*, A. Salar, A. Khaki Sedigh, S M. Hosseini, H. Khaledi, ASME Turbo Expo 2011 GT2011, June 6-10, 2011, Vancouver, British Columbia, Canada.
99. *Robust Gas Turbine Speed Control Using QFT*, Z. Abollahi Biron, A. Khaki Sedigh, R. Abdollah Biron, ASME Turbo Expo 2011 GT2011, June 6-10, 2011, Vancouver, British Columbia, Canada.
100. *Design of Switching Control Systems Using Control Performance Assessment Index*, A. Moridi, S. Armaghan, A. Khaki Sedigh and S. Choobkar, Proceedings of the World Congress on Engineering 2011 Vol II, WCE 2011, July 6 - 8, 2011, London, U.K.
101. *Design of a Switching PID Controller for a Magnetically Actuated Mass Spring Damper*, A. Moridi, S. Armaghan, A. Khaki Sedigh, Proceedings of the World Congress on Engineering 2011 Vol III, WCE 2011, July 6 - 8, 2011, London, U.K.
102. *Tuning of Dynamic Matrix Controller for FOPDT Models using Analysis of Variance*, P. Bagheri, A. Khaki-Sedigh, 18th IFAC World Congress Milano (Italy) August 28 - September 2, 2011.

103. *A Switched Based Control Strategy for Target Tracking of Autonomous Robotic Vehicles using Range-only Measurements*, O. Namaki-Shoushtari, A. Pedro Aguiar, A. Khaki Sedigh, 18th IFAC World Congress Milano (Italy) August 28 - September 2, 2011.
104. *A Decomposition Procedure to Linearize the Nonaffine State Space Average Model of STATCOM*, M. Moradpour, M. Tavakoli Bina, A. Khaki Sedigh, M. Ayati, IEEE Symposium on Industrial Electronics and Applications (ISIEA2011), Langkawi, Malaysia, September 25-28, 2011.
105. *An improved input-output pairing method based on concept of energy*, Ahmadi-Tabatabaei, A. , Fatehi, A. , Khaki-Sedigh, A., Advanced Materials Research, Volume 403-408, , Pages 2065-2072, 2012.
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110. *Direct and indirect output feedback design for TORA system*, M Tavan, A Khaki-Sedigh, S Pakzad, American Control Conference (ACC), 2014, 4649-4652.
111. *Robustness Improvement Using the Filtered Smith Predictor Based Fractional Integral-Fractional Derivative Controllers: Application to a Pressure Plant*, Roohallah Azarmi, Mahsan Tavakoli-Kakhki, Ramon Vilanova, Alireza Fatehi, Ali Khaki Sedigh, 7th International Conference on Systems and Control (ICSC), 2018.
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113. *Managed Pressure Drilling System State Estimation Using The Multiple Model Adaptive Estimation Approach*, A. M. Molaei, A. H. Nikoofard, A. Khaki-Sedigh and L. Imsland, European Control Conference (ECC), Pages: 985-990, 2020
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