Mojtaba Ahmadieh Khanesar - DTU Orbit (16/11/2017)

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Dynamical Systems

Publications:

Novel Levenberg–Marquardt based learning algorithm for unmanned aerial vehicles
Publication: Research - peer-review › Journal article – Annual report year: 2017

Modeling level change in Lake Urmia using hybrid artificial intelligence approaches
Publication: Research - peer-review › Journal article – Annual report year: 2017

Model of car wing active control in order to increase stability of the car on corners of roads
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Sliding mode fuzzy rule base bilateral teleoperation control of 2-DOF SCARA system
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

A multi-objective genetic type-2 fuzzy extreme learning system for the identification of nonlinear dynamic systems
Publication: Research - peer-review › Article in proceedings – Annual report year: 2017

Comparative analysis of three approaches of antecedent part generation for an IT2 TSK FLS
Publication: Research - peer-review › Journal article – Annual report year: 2017

Multi objective optimal allocation of fault current limiters in power system
Publication: Research - peer-review › Journal article – Annual report year: 2017

Learning Control of Fixed-Wing Unmanned Aerial Vehicles Using Fuzzy Neural Networks
Publication: Research - peer-review › Journal article – Annual report year: 2017

Artificial bee colony optimization of interval type-2 fuzzy extreme learning system for chaotic data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2016
Controlling the pitch and yaw angles of a 2-DOF helicopter using interval type-2 fuzzy neural networks
Publication: Research - peer-review › Book chapter – Annual report year: 2015

Publication: Research - peer-review › Journal article – Annual report year: 2015

Observer-based indirect model reference fuzzy control system with application to control of chaotic systems
Publication: Research - peer-review › Journal article – Annual report year: 2013

Estimation of the parameters of wavelet neural networks using simultaneous use of genetic algorithm and recursive least square
Rezaie, N., Khanesar, M. A. & Teshnehlab, M. 2013 2013 3rd IEEE International Conference on Computer, Control and Communication, IC4 2013. 6653760
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Hierarchical Fuzzy identification using gradient descent and recursive least square method
Fallah, Z., Khanesar, M. A. & Teshnehlab, M. 2013 2013 3rd IEEE International Conference on Computer, Control and Communication, IC4 2013. 6653750
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Sliding mode type-2 fuzzy control of robotic arm using ellipsoidal membership functions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2013

Extended kalman filter based learning algorithm for type-2 fuzzy logic systems and its experimental evaluation
Publication: Research - peer-review › Journal article – Annual report year: 2012

Control and synchronization of chaotic systems using a novel indirect model reference fuzzy controller
Publication: Research - peer-review › Journal article – Annual report year: 2012

Statistical results to show the superiority of type two fuzzy logic systems over type one counterparts under noisy conditions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Training fuzzy neural networks using sliding mode theory with adaptive learning rate
Publication: Research - peer-review › Article in proceedings – Annual report year: 2012

Analysis of the noise reduction property of type-2 fuzzy logic systems using a novel type-2 membership function
Publication: Research - peer-review › Journal article – Annual report year: 2011
Direct model reference Takagi-Sugeno fuzzy control of SISO nonlinear systems
Publication: Research - peer-review › Journal article – Annual report year: 2011

An online training algorithm based on the fusion of sliding mode control theory and fuzzy neural networks with triangular membership functions
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

A novel training method based on variable structure systems theory for fuzzy neural networks
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Levenberg Marquardt algorithm for the training of type-2 fuzzy neuro systems with a novel type-2 fuzzy membership function
Publication: Research - peer-review › Article in proceedings – Annual report year: 2011

Model reference fuzzy control of nonlinear dynamical systems using an optimal observer
Publication: Research - peer-review › Journal article – Annual report year: 2011

A novel type-2 fuzzy membership function: Application to the prediction of noisy data
Publication: Research - peer-review › Article in proceedings – Annual report year: 2010

Identification of interval fuzzy models using recursive least square method
Publication: Research - peer-review › Journal article – Annual report year: 2009

Incremental locally linear fuzzy classifier
Publication: Research - peer-review › Article in proceedings – Annual report year: 2009

Direct stable adaptive fuzzy neural model reference control of a class of nonlinear systems
Khanesar, M. A. & Teshnehlab, M. 2008 3rd International Conference on Innovative Computing Information and Control, ICICIC’08. 4603701
Publication: Research - peer-review › Article in proceedings – Annual report year: 2008
A novel binary particle swarm optimization
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Fuzzy sliding mode control of rotary inverted pendulum
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Hybrid training of recurrent fuzzy neural network model
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007

Sliding mode control of rotary inverted pendulum
Publication: Research - peer-review › Article in proceedings – Annual report year: 2007