

# 2014 IEEE International Conference on Fuzzy Systems

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*Flexible Decision Support System Using Dynamic Partial Reconfiguration Technology* [#F-14484]

Janos Grantner and Chinh Nguyen

### **Special Session: FrF3-1 Recent Advances in Fuzzy-Model-Based Control Design and Analysis II**

*Discrete-Time Takagi-Sugeno Descriptor Models: Controller Design* [#F-14147]

Victor Estrada-Manzo, Thierry Marie Guerra, Zsofia Lendek and Philippe Pudlo

*Observer Design for Switching Nonlinear Systems* [#F-14152]

Zsofia Lendek, Paula Raica, Jimmy Lauber and Thierry-Marie Guerra

*Model Predictive Control for Discrete Fuzzy Systems via Iterative Quadratic Programming* [#F-14167]

Carlos Arino, Emilio Perez, Antonio Sala and Andres Querol

*A Novel Relaxed Stabilization Condition for a Class of T-S Time-Delay Fuzzy Systems* [#F-14171]

Shun-Hung Tsai and Cone-Jie Fang

*SOS-Based Fuzzy Stability Analysis via Homogeneous Lyapunov Functions* [#F-14190]

Ji-Chang Lo

*Fuzzy Disturbance Observer for a Class of Polynomial Fuzzy Control Systems* [#F-14200]

Hugang Han, Yuta Higaki and Hak-Keung Lam

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*Jfcs Tool: A Java Software Tool to Design Fuzzy Color Spaces* [#F-14274]

Jose Manuel Soto-Hidalgo, Jesus Chamorro-Martinez, P. Martinez-Jimenez and D. Sanchez

*JuzzyOnline: An Online Toolkit for the Design, Implementation, Execution and Sharing of Type-1 and Type-2 Fuzzy Logic Systems* [#F-14044]

Christian Wagner, Mathieu Pierfitte and Josie McCulloch

*On Modelling Real-World Knowledge to Get Answers to Fuzzy and Flexible Searches without Human Intervention* [#F-14299]

Victor Pablos-Ceruelo and Susana Munoz-Hernandez

*Specialized Software for Fuzzy Natural Logic and Fuzzy Transform Applications* [#F-14066]

Vilem Novak, Viktor Pavliska and Radek Valasek

*A WiFi-Based Software for Indoor Localization* [#F-14529]

Noelia Hernandez, Manuel Ocana, Sergio Humanes, Pedro Revenga, David P. Pancho and Luis Magdalena

*Analyzing Fuzzy Association Rules with Fingrams in KEEL* [#F-14514]

David P. Pancho, Jose M. Alonso, Jesus Alcalá-Fdez and Luis Magdalena

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*Type-1 or Interval Type-2 Fuzzy Logic Systems - On the Relationship of the Amount of Uncertainty and FOU Size [#F-14112]*

Jabran Aladi, Christian Wagner and Jonathan Garibaldi

*Building a Type-2 Fuzzy Regression Model Based on Credibility Theory and Its Application on Arbitrage Pricing Theory [#F-14129]*

Yicheng Wei and Junzo Watada

*Building Linguistic Random Regression Model from the Perspective of Type-2 Fuzzy Set [#F-14199]*

Fei Song, Shinya Imai and Junzo Watada

*Automatic Learning of General Type-2 Fuzzy Logic Systems Using Simulated Annealing [#F-14249]*

Majid Almarashi, Robert John and Hopgood Adrian

*A New Monotonic Type-Reducer for Interval Type-2 Fuzzy Sets [#F-14384]*

Simon Coupland, Robert John and Hussam Hamrawi

*A Support Vector-Based Interval Type-2 Fuzzy System [#F-14437]*

Volkan Uslan, Huseyin Seker and Robert John

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*An Interactive Evolutionary Computation Framework Controlled via EEG Signals [#F-14242]*

Shen Ren, Jiangjun Tang, Michael Barlow and Hussein A. Abbass

*Ocular Artifact Removal from EEG Using ANFIS [#F-14337]*

Wei Chen, Ze Wang, Ka Fai Lao and Feng Wan

*Spatiotemporal Human Brain Activities on Recalling Body Parts [#F-14241]*

Takahiro Yamanoi, Yoshinori Tanaka, Mika Otsuki, Hisahsi Toyoshima and Toshimasa Yamazaki

*Description of Activity of Living Neuronal Network by Fuzzy Bio-Indicator [#F-14530]*

Isao Hayashi and Suguru N. Kudoh

*Human Behavioural Analysis with Self-Organizing Map for Ambient Assisted Living [#F-14460]*

Kofi Appiah, Andrew Hunter, Ahmad Lotfi, Christopher Waltham and Patrick Dickinson

*Analysis and Extraction of Knowledge from Body Motion Using Singular Value Decomposition [#F-14277]*

Yinlai Jiang, Isao Hayashi and Shuoyu Wang

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Abdelmadjid Cherifi, Kevin Guelton and Laurent Arcese

*Non-Quadratic Stabilization Of Second Order Continuous Takagi-Sugeno Descriptor Systems via Line-Integral Lyapunov Function [#F-14512]*

Raymundo Marquez, Thierry Marie Guerra, Alexandre Kruszewski and Miguel Bernal

*Brain Style Control Scheme: Simultaneous Forward and Inverse Model Identification and Controller Design [#F-14552]*

Luka Eciolaza, Tadanari Taniguchi and Michio Sugeno

*Tracking Control for a Non-Holonomic Car-Like Robot Using Dynamic Feedback Linearization Based on Piecewise Bilinear Models [#F-14390]*

Tadanari Taniguchi, Luka Eciolaza and Michio Sugeno



*Coordinate Transformation of Takagi-Sugeno Models: Stability Conditions and Observer Canonical Forms* [#F-14483]

Horst Schulte and Soeren Georg

*Design of Fuzzy Synergetic Controller* [#F-14515]

Chi-Hua Liu and Ming-Ying Hsiao

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Yuchi Kanzawa

*Fuzzy c-Regression Models Combined with Support Vector Regression* [#F-14150]

Tatsuya Higuchi and Sadaaki Miyamoto

*Incremental Algorithms for Fuzzy Co-Clustering of Very Large Cooccurrence Matrix* [#F-14331]

Katsuhiro Honda, Daiji Tanaka and Akira Notsu

*Fuzzy Co-Clustering of Vertically Partitioned Cooccurrence Data with Privacy Consideration* [#F-14333]

Katsuhiro Honda, Toshiya Oda and Akira Notsu

*FCM-Type Fuzzy Co-Clustering by K-L Information Regularization* [#F-14334]

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Yangtao Wang, Lihui Chen and Jianping Mei

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Derek Anderson, Stanton Price and Timothy Havens

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Flaulles Bergamaschi and Regivan Santiago

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Zhenyuan Wang and Li Zhang-Westman

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Ronildo Moura, Flaulles Bergamaschi, Regivan Santiago and Benjamin Bedregal

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Ashraf Zubair, Pranab Muhuri, Q. M. Danish Lohani and Rahul Nath

*On the Resilience of an Ant-Based System in Fuzzy Environments. An Empirical Study* [#F-14272]

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