Control and Cybernetics

vol. **40** (2011) No. 3

CONTENTS

Special Issue on Advanced Data Processing and Analysis Techniques 579

Guest Editors' Introduction 581

R.Z. ZIEMBIŃSKI: 585
Accuracy of generalized context patterns in the context based sequential patterns mining

K. JANKIEWICZ, K. KUJAWIŃSKI, M. MOR and T. MORZY: 605
Transaction mechanisms in complex business processes

W. ANDRZEJEWSKI and R. WREMBEL: 627
GPU-PLWAH: GPU-based implementation of the PLWAH algorithm for compressing bitmaps

K. LESZCZYŃSKI and M. ZAKRZEWICZ: 651
Asymptotic trust algorithm: extension for reputation systems in online auctions

M.R. KMIECIAK and J. STEFANOWSKI: 667
Semi-supervised approach to handle sudden concept drift in Enron data

S. CHOJNACKI and M. KŁOPOTEK: 697
Random graph generator for bipartite networks modeling

M. BACZKIEWICZ, D. ŁUCZAK and M. ZAKRZEWICZ: 715
Similarity-based web clip matching

Ł. PIĄTKOWSKI, C. SOBANIEC and G. SOBAŃSKI: 731
Performance evaluation of different types of session guarantees version vectors

Regular Papers 751

T. KACZOREK: 753
Singular fractional discrete-time linear systems

M. KOLEV: 763
Numerical modelling of the competition between the adaptive immune system and virus

M. KOLEV and B. ZUBIK-KOWAL: 779
Numerical experiments with model equations of cancer invasion of tissue

P. DWORNICZAK: 793
Basic properties of a new class of parametric intuitionistic fuzzy implications

M. SZUBERT, W. JAŚKOWSKI and K. KRAWIEC: 805
Learning board evaluation function for Othello by hybridizing coevolution with temporal difference learning

P. FORCZMAŃSKI, G. KUKHAREV and E. KAMENSKAYA: 833
Application of cascading two-dimensional canonical correlation analysis to image matching

J. STAŃCZAK, H. POTRZEBOWSKI and K. SĘP: 849
Evolutionary approach to obtain graph covering by densely connected subgraphs

D. BRZEZIŃSKI, A. LEŚNIEWSKA, T. MORZY and M. PIERNIK: 877
XCleaner: A new method for clustering XML documents by structure