Tuesday, 15 October 2019

S1 – from 08:00 to 10:00 (2 sessions)

Room 1	Knowledge Representation and Reasoning I
Session chair: Anne Canuto	
1. An Embedded Network Based Plataform For Cognitive Robotics Marcio Garcia, Augusto Loureiro da Costa, Diego Ferreira 2. Building a Massive corpus for Named Entity Recognition using free open data sources Daniel Menezes, Pedro Savarese, Ruy Luiz Milidiu 3. Synthesis of Quantifier-Free First-Order Sentences from Noisy Samples of Strings Thiago Rocha, Ana Teresa Martins 4. Identification of Features for Profit Forecasting of Soccer Matches Milton Ossamu Tanizaka Filho, Ernesto Cordeiro Marujo, Thomaz Calasans dos Santos 5. An Improved Evolutionary Hybrid Method for Cloud Provider Selection Rafael Parpinelli, Lucas Borges de Moraes, Adriano Fiorese 6. A Rough Sets-Based Method with Belief Merging Operators for Multiclass Classification Problems Rafael Albuquerque, João Alcântara	

Room 4	Optimization Algorithms: Genetic Algorithms
Session chair: Renato Tinós	
1. A new method for identification of recombining components in the Generalized Partition Crossover Ozeas Quevedo de Carvalho, Renato Tinos, Darrell Whitley, Danilo Sanches 2. Parameter Tuning in Load Balancing Techniques for Wireless Sensor Networks through Genetic Algorithms Lisane Brisolara de Brisolara, Matheus Braga, Alex Braga, Paulo R. Ferreira Jr. 3. Hybrid system for time series using iterative residual forecasting models João Oliveira, Eraylson Galdino, Paulo Salgado Gomes de Mattos Neto 4. A Multiobjective Genetic Approach with TOPSIS to Learn Fuzzy Rule-Based Classification Systems Antonio Eloy de Oliveira Araujo, Renato Krohling 5. An Improved Heuristic Based Genetic Algorithm for Bin Packing Problem Aluísio Cardoso Silva, Carlos Cristiano Hasenclever Borges 6. A multi-objective approach for Symbolic Regression with Semantic Genetic Programming Felipe Casadei, Gisele Pappa, João Francisco Barreto da Silva Martins	

S2 – from 10:10 to 12:10 (2 sessions)

Room 1	Natural Language Processing I
Chair session: Tatiane Nogueira	
1. A Contextual Hierarchical Graph Model for Generating Random Sequences of Objects with Application to Music Playlists Igor de Oliveira Nunes, Gabriel Matos Cardoso Leite, Daniel Ratton Figueiredo	

2. Novel Features based on Sentence Specificity for Helpfulness Prediction of Online Reviews
   Beatriz Lima, Tatiane Nogueira
3. Utterance Copy in Formant-based Speech Synthesizers Using LSTM Neural Networks
   Cassio Batista, Renan Cunha, Pedro Batista, Aldebaro Klautau, Nelson Neto
4. Accelerating word embedding generation with fine-grain parallelism
   Leonardo Afonso Amorim, Mateus e Freitas, Altino Dantas, Celso Camilo-Junior, Weber Martins, Wellington Martins
5. Automating News Summarization with Sentence Vectors Offset
   Maurício Steinert, Roger Granada, João Paulo Aires, Felipe Meneguzzi
6. Mining Journals to the Ground: An Exploratory Analysis of Newspaper Articles
   Camila Leite, Lucas May Petry, Vinicius Freitas, Carina F. Dorneles

Room 4	Ensemble Systems
Chair Session: Anne Canuto	

1. Instance Hardness as a Decision Criterion on Dynamic Ensemble Structure
   Carine Dantas, Anne Canuto, Rômulo Nunes, João C. Xavier-Júnior
2. Using Active Learning Sampling Strategies for Ensemble Generation on Opinion Mining
   Douglas Vitório, Ellen Souza, Adriano L. I. Oliveira
3. Ensemble Regression Models Applied to Dropout in Higher Education
   Paulo Silva, Marilia N. C. A. Lima, Wedson Soares, Iago R. R. Silva, Roberta A. A. Fagundes, Fernando F. Souza
4. Investigating the impact of combining handwritten signature and keyboard keystroke dynamics for gender prediction
   Danilo Rodrigo Cavalcante Bandeira, Anne Canuto, Marjory Da Costa-Abreu, Michael Fairhurst, Diego Nascimento, Li Cheng
5. Online Local Boosting: improving performance in online decision trees
   Victor Turrisi da Costa, Saulo Martiello Mastelini, André Ponce de Leon F de Carvalho, Sylvio Barbon Junior
6. On Combining Diverse Models for Lyrics-Based Music Genre Classification
   Caio Ueno, Diego Furtado Silva

S3 – From 15:30 to 17:30 (2 sessions)

Room 1	Best paper Session
Evaluation board: Jaime Sichman, Fabio Cozman, Ricardo Prudêncio and Gina Oliveira	

1. Novelty Detection for Multilabel Stream Classification
   Joel D. Costa Júnior, Elaine Faria, Jonathan A. Silva, Joao Gama, Ricardo Cerri
2. Tensor Fukunaga-Koontz Transform for Hierarchical Clustering
   Bernardo B. Gatto, Marco A. F. Mollinetti, Eulanda M. dos Santos, Kazuhiro Fukui
3. Multidimensional Projections Analysis Using Performance Evaluation Planning
   Danilo Coimbra, Erick Pinheiro, Maycon Peixoto, Tacito Neves
4. Active Learning for Evolutionary Constrained Clustering
   Matheus Campos Fernandes, André Pereira, Thiago Covoes
5. Symbolic Planning for Strong-Cyclic Policies
   Viviane dos Santos, Leliane Nunes de Barros, Viviane Menezes
6. An RBF Network Based Crossover for Pseudo-Boolean Optimization

Renato Tinos

Room 4	Features and instances: selection, extraction and analysis
Session chair: André Carvalho	
1. Investigating the robustness and stability to noisy data of a dynamic feature selection method Jhoseph Jesus, Anne Canuto, Daniel Araújo 2. A geometry-based approach to visualize high-dimensional data Caio Flexa, Walisson Gomes, Sergio Viademonte, Claudomiro Souza Junior, Ronnie Alves 3. An Ordered Search for Subset Selection in Support Vector Orthogonal Regression Paulo Vitor Freitas da Silva, Raul Fonseca Neto, Saulo Mores Villela 4. Dynamic Correlation-based Feature Selection for Feature Drifts in Data Streams Jorge Cristhian Chamby-Diaz, Mariana Recamonde-Mendoza, Ana Bazzan 5. Data Normalization in Structural Health Monitoring by Means of Nonlinear Filtering Caio Flexa, Walisson Gomes, Claudomiro Souza Junior 6. The Influence of Sampling on Imbalanced Data Classification Victor Barella, Luis Garcia, André Ponce de Leon F de Carvalho	

Wednesday, 16 October 2019

S4 – From 08:00 to 10:00 (3 sessions)

Room 1	Deep Learning Applications I
Session chair: To be Defined	
1. A Deep Reinforcement Learning Approach to Asset-Liability Management Alan Fontoura, Eduardo Bezerra, Diego Haddad 2. A New Approach to Navigation of Unmanned Aerial Vehicle using Deep Transfer Learning Pedro Pedrosa Rebouças Filho, Suane Pires Pinheiro da Silva, Paulo Honório Filho, Jefferson Silva Almeida, Leandro Marinho, Antonio Wendell Rodrigues, Navar Nascimento 3. Fire and Water: Using Deep Learning to Recognize Fluid Substances Alcione Oliveira, Alexandra Moreira Jugurta Lisboa-Filho 4. Increasing Accuracy of Medical CNN Applying Optimization Algorithms: an Image Classification Case Rafael Ramos, Celia Ralha, Tahsin M. Kurc, Joel H. Saltz, George Teodoro 5. Automatic Ocular Alignment Evaluation for Strabismus Detection Using U-NET and ResNet Networks Thayane Simões, Johnatan Souza, João Dallyson Sousa de Almeida, Aristófanes Corrêa Silva, Anselmo Cardoso de Paiva 6. Recognition of Simple Handwritten Polynomials Using Segmentation with Fractional Calculus and Convolutional Neural Networks	

Francisco Marques Junior, Thelmo de Araujo, José Vigno Moura Sousa, Nator junior Carvalho da costa, Rodrigo Melo, Alano Pinto, Arata Andrade Saraiva

Room 2	Computational Intelligence
Session chair: Ricardo Prudencio	
1. Analyzing Electoral Donations Through Congress Ideological Segmentation Lênon Guimarães 2. A Comparison Study on Time Series Forecasting Given Smart Grid Load Uncertainties Diego Arize, Tatiane Nogueira 3. Laplacian using Abstract State Transition Graphs:A Framework for Skill Acquisition Matheus Mendonça, Artur Ziviani, André Barreto 4. Collision Detection with Monocular Vision for Assisting in Mobility of Visually Impaired People Alexsander Canez, Joelson Sartori junior, Regina Barwaldt, Ricardo Rodrigues 5. A biased random-key genetic algorithm for the traffic counting location problem Glaubos Climaco, Pedro Henrique Gonzalez, Glaydston Ribeiro, Geraldo Mauri, Luidi Simonetti 6. Particle Swarm Localization for Mobile Robots using a 2D Laser Sensor João Luiz Carneiro Carvalho, Paulo César Machado de Abreu Farias, Edmar Egidio Purcino de Souza, Eduardo Furtado de Simas Filho	

Room 4	Optimization Algorithms I
Session chair: Aurora Pozo	
1. An Efficient Algorithm for the Tabu Clustered Traveling Salesman Problem Edson Lopes da Silva Junior, Vinicius Alberto Alves da Silva, Luciana Brugiolo Gonçalves, Lorenza Leão Oliveira Moreno, Stênio Sã Rosário Furtado Soares 2. Action Scheduling Optimization using Cartesian Genetic Programming Marco André Abud Kappel 3. Quota Traveling Salesman with Passengers and Collection Time Thiago Soares Marques, Sidemar Fideles Cezario, Elizabeth Ferreira Gouvêa Goldbarg, Marco César Goldbarg, Sílvia Maria Diniz Monteiro Maia 4. TSchainRad: a new Tabu Search-based matheuristic for IMRT optimization Luis Tertulino, Sílvia Maia, Elizabeth Goldbarg, Marco Goldbarg 5. On updating probabilistic graphical models in Bayesian Optimisation Algorithm Mohamed El Yafrani, Marcella Scoczynski, Myriam Delgado, Ricardo Lüders, Inkyung Sung, Markus Wagner, Diego Oliva 6. A GPU-based Hybrid jDE Algorithm Applied to the 2D-AB Protein Structure Prediction Problem Rafael Parpinelli, Mateus Boiani, Gabriel Dominico	

S5 – From 10:10 to 12:10 (2 sessions)

Room 1	Optimization Algorithms and Machine Learning
Session chair: João C. Xavier-Junior	

1. A Comparative Study on Automatic Model and Hyper-parameter Selection in Classifier Ensembles
   Antonino Feitosa, João C. Xavier-Júnior, Anne Canuto, Alexandre Oliveira
2. Automatic design of Convolutional Neural Networks using Grammatical Evolution
   Ricardo Henrique Remes de Lima, Aurora Pozo, Roberto Santana
3. Differential Evolution with Cluster-based External Archive and Local Search for Multimodal Optimization
   Rafael Parpinelli, Gabriel Dominico, Mateus Boiani
4. Towards an Interpretable Metric for DOTA 2 Players: An Unsupervised Learning Approach
   Gabriel Franco, Marcos Henrique Fonseca Ribeiro, Giovanni Comarela
5. A Partitional Cooperative Coevolutionary Group Search Optimization Approach for Data Clustering
   Luciano Pacífico, Teresa Ludermir
6. Using Hyperplanes to Create Neutral Networks in Pseudo-Boolean Optimization
   Renato Tinos

Room 4	Data Mining I
Session chair: Teresa Ludermir	

1. A multilevel approach for building location-based social network by using stay points
   Diego Minatel, Vinícius Ferreira, Alneu Lopes
2. A scalability approach based on multilevel optimization for link prediction methods
   Vinícius Ferreira, Alneu Lopes, Alan Valejo
3. A Multivariate Method for Group Profiling Using Subgroup Discovery
   Tarcísio Lucas, João Ambrósio Gomes, Renato Vimieiro, Ricardo Prudêncio, Teresa Ludermir
4. Towards meta-learning for multi-target regression problems
   Gabriel Aguiar, Everton Santana, Saulo Martiello Mastelini, Rafael Gomes Mantovani, Sylvio Barbon Junior
5. Self-Adaptive Appearance-Based Eye-Tracking with Online Transfer Learning
   Bruno Klein Salvalaio, Gabriel de Oliveira Ramos
6. Using social group trajectories for potential impersonation detection on smart buildings access control
   Gabriel Mariano de Castro Silva, Jaime Simão Sichman

S6 – From 13:30 to 15:00 (2 sessions)

Room 1	Neural Networks and Deep Learning
Session chair: Leliane Nunes de Barros	

1. The Use of Deep Learning to Support Math Teaching and Learning for the Blind
   Luiz Oscar Topin, Regina Barwaldt, Joelson Sartori Junior, Bruna dos Santos Freitas
2. Impact of facial expressions on the accuracy of a CNN performing periocular recognition
   Rodolfo Dalapicola, Raissa Queiroga, Carolina Ferraz, Tamiris Trevisan Negri Borges, José Hiroki Saito, Adilson Gonzaga
3. Analyzing the Effect of Stochastic Transitions in Policy Gradients in Deep Reinforcement Learning
   Ângelo G. Lovatto, Leliane Nunes de Barros, Thiago P. Bueno

4. Image-based Electric Consumption Recognition via Multi-task Learning
   Ricardo Marques, João Diniz, Arthur Costa Serra, João Vitor Ferreira França, Geraldo Braz Junior, João Almeida, Marcia Izabel Alves da Silva, Eliana Marcia Garros Monteiro
5. Recurrent Neural Network Based on Statistical Recurrent Unit for Remaining Useful Life Estimation
   André Ribeiro de Miranda, Talles M. G. de Andrade Barbosa, André G. Scolari Conceição, Symone G. Soares Alcalá

Room 4	Natural Language Processing II
Session chair: Fábio Cozman	

1. Automatic Summarization of Technical Documents in the Oil and Gas Industry
   João Marcos Correia Marques, Fábio Cozman, Ismael Santos
2. Assessing the Impact of Contextual Embeddings for Portuguese Named Entity Recognition
   Joaquim Santos, Bernardo Consoli, Cícero dos Santos, Juliano Terra, Sandra Collovini, Renata Vieira
3. FaQuAD: Reading Comprehension Dataset in the Domain of Brazilian Higher Education
   Hélio Fonseca Sayama, Anderson Viçoso de Araujo, Eraldo Rezende Fernandes
4. Dialogue Management with Deep Reinforcement Learning: Balancing Exploration and Exploitation
   Bruno Nishimoto, Anna Costa
5. Combining Labeled Datasets for Sentiment Analysis from Different Domains Based on Dataset Similarity to Predict Electors Sentiment
   Jessica Soares dos Santos, Aline Paes, Flavia Bernardini

Thursday, 17 October 2019

S7 – From 08:00 to 10:00 (2 sessions)

Room 1	Agents and Multi-agent Systems
Session chair: Anna Helena Reali Costa	

1. An efficient kick strategy for agents in the 2D Simulation League
   João Pedro Figueirôa Nascimento, Rosalvo Ferreira de Oliveira Neto, Lourinaldo Júnior Macário Amorim
2. Argumentation-based Agents that Explain their Decisions
   Mariela Morveli-Espinoza, Ayslan Possebom, Cesar Tacla
3. Promoting Reusability and Extensibility in the Engineering of Domain-specific Conversational Systems
   Pedro Velmovitsky, Marx Viana, Elder Cirilo, Ruy Milidiú, Plinio Morita, Carlos Lucena
4. Building Self-Play Curricula Online by Playing with Expert Agents in Adversarial Games
   Felipe Leno Da Silva, Anna Helena Reali Costa, Peter Stone
5. Social Analysis of Game Agents: How Trust and Reputation can improve Player Experience
   Lucas Carneiro, Joao Carlos da Silva, Carla Delgado
6. Towards an Organisation-Centred Semantics for Argumentation-Based Dialogues

Alison R. Panisson

Room 4	Optimization Algorithms II
Session chair: Gina Oliveira	
1. Decision Variable Learning Matheus Santos Almeida, Joel Oliveira, André Britto 2. Combining Fitness Landscape Analysis and Adaptive Operator Selection in Multi and Many-objective Optimization Josiel Kuk, Richard Gonçalves, Aurora Pozo 3. Q-NAS revisited: exploring evolution fitness to improve efficiency Daniela Szwarcman, Daniel Salles Civitarese, Marley M. B. R. Vellasco 4. Bio-inspired Algorithms for Many-Objective Discrete Optimization Luiz Martins, Tiago França, Gina Oliveira 5. An Urban Pigeon-Inspired Optimiser for Unconstrained Continuous Domains Sergio Rojas-Galeano, Angie L. Blanco, Nathalia Chaparro 6. Evolutionary Algorithms with Constraint Handling for the Hydroelectric Dispatch Planning Eduardo Marcondes, Bruno Zanette, Peter Perroni, Daniel Weingaertner	

S8 – From 10:10 to 12:10 (2 sessions)

Room 1	Bioinformatics and biomedical engineering
Session chair: André Carvalho	
1. Toward in loco Cancer Therapy by Biomolecular Computer Ana Paula Rozeno Rodrigues, Reginaldo da SIlva Filho 2. Selecting the Most Relevant Features for the Identification of Long Non-Coding RNAs in Plants Robson Parmezan Bonidia, André Ponce de Leon F de Carvalho, Alexandre Paschoal, Danilo Sanches 3. A Random Forest Classifier for Prokaryotes Gene Prediction Raíssa Silva, Kleber Souza, Fabiana Góes, Ronnie Alves 4. A deep learning approach to detect hyoid bone in ultrasound exam Marília Karla Soares Lopes, Cecilia Silva, Lucas Lima, Douglas Felizardo Lira Lima, Bianca Costa, Desiré Magalhães, Darlyane de Souza Barros Rodrigues, Thaís Gaudêncio do Rêgo, Leandro Pernambuco, Ary Santos 5. Pill Image Classification using Machine Learning Luan Sousa Cordeiro, Joyce Lima, Antonio Iedo Ribeiro, Nivando Bezerra, Pedro Pedrosa Rebouças Filho, Ajalmar Rocha Neto 6. Hyperparameter Tuning and its Effects on Cardiac Arrhythmia Prediction Renan Andrades, Mateus Grellert, Mateus Fonseca	

Room 4	Data mining and Natural Language Processing
Session chair: Paulo J. L. Adeodato	

1. Exploiting Geographical Data to improve Recommender Systems for Business Opportunities in Urban Areas
   Vinícius Ferreira, Alan Valejo, Paola Valdivia, Jorge Valverde-Rebaza
2. Data mining solution for assessing the secondary school students of Brazilian Federal Institutes
   Rogério Luiz C. Silva Filho, Paulo J. L. Adeodato
3. ML-MDLText: A Multilabel Text Categorization Technique with Incremental Learning
   Marciele M. Bittencourt, Renato M. Silva, Tiago A. Almeida
4. Evaluating One-Class Classifiers for Fault Detection in Hard Disk Drives
   Francisco Pereira, Daniel Teixeira, João Paulo Pordeus, Javam Machado
5. Fake News Detection Using One-Class Classification
   Pedro Faustini, Thiago Covoes

6. Using Historical Information of Patients for Prior Authorization Learning Karoline de Moura Farias, Pedro Santos Neto, Andre Macedo Santana, Ranulfo Plutarco Bezerra Neto

S9 – From 13:30 to 15:00 (2 sessions)

Room 1	Clustering Techniques
Session chair: Leonardo Emmendorfer	
1. A Temporal Clustering Algorithm for Achieving the trade-off between the User Experience and the Equipment Economy in the Context of IoT Caio Ponte, Carlos Caminha, Rafael Bomfim, Ronaldo Moreira, Vasco Furtado 2. Community Detection to Invariant Pattern Clustering in Images 2.1. Lusmar Mendes, Murillo G. Carneiro 3. K-fact: Using the Frequency Factor for Clustering Categorical Robespierre Pita, Gabriela Borges, Nívea Silva, Daniela Almeida, Rosemeire Fiaccone, Marcos Barreto 4. An Empirical Evaluation of Two Novel Linkage Criteria for Hierarchical Agglomerative Clustering Data Leonardo Emmendorfer 5. Using Clustering in Eye-tracking Calibration Task Adrien Brilhault, Sergio Neuenschwander, Ricardo Rios	

Room 4	Neural Networks
Session chair: Solange Rezende	
1. A Electric Network Reconfiguration Strategy with Case-Based Reasoning for the Smart Grid Flavio Calhau, Joberto Martins 2. Improving Recommendations by Using a Heterogeneous Network and User's Reviews Vitor Tonon, Cintia Oliveira, Daniele Oliveira, Alneu Lopes, Roberta Sinoara, Ricardo Marcacini, Solange Rezende 3. A Network-Based Model for Optimizing Returns in the Stock Market Tiago Colliri, Liang Zhao 4. Analytical calculation of hidden layer biases in extreme learning machines with sinusoidal activation function Matheus Rocha Barbosa, Luis Gustavo Souza 5. A Sampling-based Framework for Transductive Classification in Information Networks Brucce Neves Santos, Ricardo M. Marcacini, Solange O. Rezende	

S10 – From 16:30 to 18:30 (3 sessions)

Room 1	Knowledge Representation and Reasoning II
Session chair: Renata Vieira	
1. Can NetGAN be improved by short random walks originated from dense vertices? Vinicius F. Caridá, Alex Mansano, Rogers Cristo, Amir Jalilifard 2. Development of Criminal Ontologies to Enhance Situation Assessment Jordan Ferreira Saran, Leonardo Castro Botega 3. Probabilistic multilateration: Model and inference Daniel Vasconcelos, Amauri Holanda Souza Junior, Francesco Corona	

4. Explainable Machine Learning for Breast Cancer Diagnosis
   Tamires Brito Sarracino, Moisés Santos, Eric Freire Antunes, Iury Santos, Jonas Kasmanas, André Ponce de Leon Ferreira de Carvalho
5. Bayesian networks for inference and discovery of semantic relations in a never-ending learning system
   Edimilson Santos, Igor Rodrigues, Estevam Hruschka Jr., Lucas Bruno
6. Generalized Iterated Belief Change in Dynamic Epistemic Logic
   Marlo Souza, Alvaro Moreira, Renata Vieira

Room 3	Deep Learning Applications II

Session chair: Bruno Vicente Alves de Lima

1. Mobile system to aid in the identification and classification of electrical assets using Convolutional Neural Network
   Pedro Pedrosa Rebouças Filho, João Wellington Mendes de Souza, Leandro Marinho, Gabriel Holanda, Harison Silva, Alvaro Afonso Furtado Leite, Thais Bandeira, Antonio Wendell Rodrigues
2. Residual MLP Network for Mental Fatigue Classification in Mining Workers from Brain Data
   Ana Siravenha, Mylena Ferreira, Iraquitan Cordeiro Filho, Renan Arthur Tourinho, Bruno Gomes, Schubert Carvalho
3. Image Processing with Convolutional Neural Networks for Classification of Plant Diseases
   Vanessa Castro Rezende, Michel Victor Carvalho Costa, Adam Santos, Roberto Celio Limão de Oliveira
4. Semantic Segmentation of Static and Dynamic Structures of Marina Satellite Images using Deep Learning
   Matheus Machado dos Santos, Giovanni Giacomo, Paulo Lilles Jorge Drews-Jr, Silvia Silva da Costa Botelho
5. Semi-supervised Classification Using Deep Learning
   Bruno Vicente Alves de Lima, Adrião Duarte Dória Neto, Lúcia Emília Soares Silva, Vinícius Ponte Machado, João Guilherme Cavalcanti Costa
6. Statistical and Deep Learning Models for Forecasting Drug Distribution in the Brazilian Public Health System
   Renan M. Sousa, Skander Hannachi, Guilherme N. Ramos

Room 4	Image processing applications

Session chair: João C Xavier-Junior

1. Meta-Data Construction for Selection of Breast Tissue Biopsy Slides Image Classifier to Identify Ductal Carcinoma
   Luis F. Marin, Aristófanes C. Silva, João O. Bandeira
2. Car Plate Character Recognition via Semi-Supervised Learning
   João Pedro Kerr Catunda, André Tavares da Silva, Lilian Berton
3. Automatic Classification of Medicinal Plant Species Based on Color and Texture Features
   Luciano Pacífico, Larissa Britto, Emilia Oliveira, Teresa Ludermir
4. Human Action Recognition using 2D Poses
   Murilo Varges da Silva, Aparecido Nilceu Marana
5. Expression removal in 3D faces for recognition purposes

Lucas Barbosa, Maurício Pamplona Segundo, Gabriel Dahia 6. Analysis of machine learning techniques in fault diagnosis of vehicle fleet tracking modules Luis Henrique Meazzini Sepulvene, Rafael Frinhani, Bruno Kuehne, Fábio Preti, Stephan Reiff-Marganiec, Isabela Drummond, Bruno Batista

Friday, 18 October 2019

S11 – From 08:50 to 10:50 (1 session)

Room 1	Data Mining II
Session chair: Ricardo Rios	
1. Dodecaphonic Composer Identification Based On Complex Networks Lucas Francesco Piccioni Costa, Andrés Eduardo Coca Salazar 2. Bidirectional Mean Distance Estimation: A new gap filling method Marcos Ricardo Santos Oliveira, Ricardo Araújo Rios 3. Visual approach to support analysis of optimum-path forest classifier Danilo Eler, Matheus Batista, Danillo Pereira, Rogério Garcia, Wilson Marcílio Junior 4. A probabilistic algorithm to estimate the spectral moments of large undirected weighted graphs Gustavo Dias de Oliveira, Andre Kashiwabara 5. A Survey and Comparison of Trajectory Classification Methods Camila Leite, Lucas May Petry, Vania Bogorny 6. Enhancement on the Labeled Component Unfolding system for parallel implementations Lucas Francisco Pellicer Filipe Alves Neto Verri, Vitor Venceslau Curtis	

S12 – From 13:30 to 15:00 (3 sessions)

Room 1	Natural Language Processing III
Session chair: Luciano Pacifico	
1. Explaining Content-based Recommendations with Topic Models Gustavo Polleti, Fábio Cozman 2. Identifying traffic event types from Twitter by Multi-label Classification Jorge Cristhian Chamby-Diaz, Ana Bazzan 3. Structural Correspondence Learning for Cross-Domain Sentiment Analysis in Brazilian Portuguese Larissa Britto, Rinaldo Lima, Luciano Pacífico 4. A Multiview Clustering Approach for Mining Authorial Affinities in Literary Texts Andrea Duque, Renato Vimieiro, Francisco De Carvalho 5. An Approach to Support the Selection of Relevant Studies in Systematic Review and Systematic Mappings Gleison Silva, Pedro Santos Neto, Raimundo Moura, Alexandre Araújo, Otávio Cury da Costa Castro, Irvayne Ibiapina	

Room 3	Neural Networks and Fuzzy Systems
Session chair: Fernando M de Paula Neto	

1. Exploring Artificial Neural Networks: a data complexity perspective
   Lucas P. Zorzi, Ana Carolina Lorena
2. Quantum Walk to Train a Classical Artificial Neural Network
   Luciano S. de Souza, Jonathan H. A. Carvalho, Tiago A. E. Ferreira
3. Type-2 Fuzzy Logic System Applied to a Temperature Control of an Electric Oven
   Eduardo Queiroz, Leonardo Serapião, Alexandre Santos, Thiago Coelho, Daniel Silveira, Eduardo Aguiar
4. Quantum neural networks learning algorithm based on a global search
   Fernando M de Paula Neto, Teresa B Ludermir, Wilson R de Oliveira
5. An Introduction to Quaternion-Valued Recurrent Projection Neural Netwoks
   Marcos Eduardo Valle, Rodolfo Anibal Lobo

Room 4	Data Mining Applications
Session chair: Heloísa Camargo	

Audio Plugin Recommendation Systems for Music Production
Paulo Mateus Moura da Silva, César Lincoln Cavalcante Mattos, Amauri Holanda Souza Junior

1. Comorbidity Prediction and Validation using a Disease Gene Graph and Public Health Data
   Carla Fernandes da Silva, Kuruvilla Joseph Abraham, Evandro Eduardo Seron Ruiz
2. A Random Keys Genetic Algorithm Approach for Reconfiguration Problem in Distribution Power Networks
   Mateus Teixeira Magalhães, Gabriel Brandão de Miranda, Stênio Sã Rosário Furtado Soares, Luciana Brugiolo Gonçalves, Lorenza Leão Oliveira Moreno, Leonardo Willer Oliveira
3. A Parallel Strategy for Generation of Fuzzy Rule Bases in Big Data Problems Using the NSGA-DO
   Maykon Rocha Santana, Heloisa de Arruda Camargo
4. Evaluation of Data Based Normal Behavior Models for Fault Detection in Wind Turbines
   Daniel Ramos Macedo Antunes de Souza, Thiago de Paula Vasconcelos, César Lincoln Mattos, Joao Gomes