

# COPEM Workshop Program

## ECMLPKDD 2013

27 September 2013, Prague

### ■ 10:45 - 12.15 Session A

10:45 - 11:00 COPEM: Machine Learning and Ensemble Methods - Overview  
Ioannis Katakis, Daniel Hernández-Lobato, Gonzalo Martínez-Muñoz and Ioannis Partalas

11:00 - 11:50 Invited talk: *Robust biomarker identification with ensemble feature selection methods*, Pierre Dupont, Université catholique de Louvain

11:50 - 12:15 Local Neighbourhood in Generalizing Bagging for Imbalanced Data, Jerzy Błaszczyński, Jerzy Stefanowski and Marcin Szajek

### ■ 12:15 - 13.45 Lunch Break

### ■ 13.45 - 15.15 Session B (22 minutes per talk)

13:45 - 14:07 Anomaly Detection by Bagging, Tomas Pevny

14:07 - 14:30 Efficient semi-supervised feature selection by an ensemble approach, Mohammed Hindawi, Haytham Elghazel and Khalid Benabdeslem.

14:30 - 14:52 Feature ranking for multi-label classification using predictive clustering trees, Dragi Kocev, Ivica Slavkov and Sašo Džeroski.

14:52 - 15:15 Identification of Statistically Significant Features from Random Forests, Jérôme Paul, Michel Verleysen and Pierre Dupont.

■ 15.15 - 15.45 Coffee Break

■ 15.45 - 17.15 Session C (22 minutes per talk)

15:45 - 16:07 Prototype Support Vector Machines: Supervised Classification in Complex Datasets, April Shen and Andrea Danyluk

16:07 - 16:30 Software Reliability prediction via two different implementations of Bayesian model averaging, Alex Sarishvili and Gerrit Hanselmann

16:30 - 16:52 Multi-Space Learning for Image Classification Using AdaBoost and Markov Random Fields, Wenrong Zeng, Xue-Wen Chen, Hong Cheng and Jing Hua

16:52 - 17:15 An Empirical Comparison of Supervised Ensemble Learning Approaches, Mohamed Bibimoune, Haytham Elghazel and Alex Aussem

■ 17.15 - 17.30 Coffee Break

■ 17.30 - 19.00 Session D

17.30 - 17.55 Clustering Ensemble on Reduced Search Spaces, Sandro Vega-Pons and Paolo Avesani

17.55 - 18.20 An Ensemble Approach to Combining Expert Opinions, Hua Zhang, Evgueni Smirnov, Nikolay Nikolaev, Georgi Nalbantov and Ralf Peeters

18.20 - 19.00 Discussion and Conclusions

## Sponsors



HELLENIC REPUBLIC  
National and Kapodistrian  
University of Athens

