



FINAL PROGRAM

<http://www.diee.unica.it/mcs>

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June 15, Wednesday

8.30-9.15 Registration

9.15-9.30 Openings

9.30-10.30 Invited Talk (chair: J. Kittler)

- S. Avidan, *Ensemble Methods for Tracking and Segmentation*

10.30-10.55 Coffee Break

10.55-12.10 Classifier Ensembles (chair: L.O. Hall)

- C. De Stefano, F. Fontanella, G. Folino and A. Scotto Di Freca, *A Bayesian Approach for combining ensembles of GP classifiers*

- J. Gibert, E. Valveny, O. Ramos Terrades and H. Bunke, *Multiple Classifiers for Graph of Words Embedding*

- A. Tomas, *A Dynamic Logistic Multiple Classifier System for Online Classification*

12.10-13.00 One-class classifiers (chair: H. Bunke)

- V. Cheplygina and D.M.J. Tax, *Pruned Random Subspace Method for One-Class Classifiers*

- P. Casale, O. Pujol and P. Radeva, *Approximate Convex Hulls Family for One-Class Classification*

13.00-14.30 Lunch

14.30-15.45 Trees and Forests (chair D.M.J. Tax)

- J.F. Díez-Pastor, C. García-Osorio, J.J. Rodríguez and A. Bustillo, *GRASP Forest:*

A New Ensemble Method for Trees

- J.J. Rodríguez, J.F. Díez-Pastor and C.

García-Osorio, *Ensembles of Decision Trees for Imbalanced Data*

- Y. Park and J. Ghosh, *Compact Ensemble Trees for Imbalanced Data*

15.45-16.10 Coffee Break

16.10-18.10 Poster session

- L. Shoemaker and L.O.Hall, *Anomaly Detection using Ensembles*

- N. Spirin and K. Vorontsov, *Learning to Rank with Nonlinear Monotonic Ensemble*

- S. Faußer and F. Schwenker, *Ensemble Methods for Reinforcement Learning with Function Approximation*

- M.P. Ponti-Jr. and J.P. Papa, *Improving accuracy and speed of Optimum-Path Forest classifier using combination of disjoint training subsets*

- Y. Bi, *Analyzing the Relationship between Diversity and Evidential Fusion Accuracy*

- W.-J. Lee, R.P.W. Duin and M. Loog, *Generalized Augmentation of Multiple Kernels*

- V. Berikov, *A latent variable pairwise classification model of a clustering ensemble*

- N. Degtyarev and O. Seredin, *A Geometric Approach to Face Detector Combining*

- A. Dainotti, A. Pescapè, C. Sansone and A. Quintavalle, *Using a Behaviour Knowledge Space Approach for Detecting Unknown IP Traffic Flows*

18.30 Welcome Cocktail@Congress Centre



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June 16, Thursday

9.30-10.30 Invited Talk (chair: F. Roli)

- N. Cesa-Bianchi, *Ensembles and Multiple Classifiers: A Game-Theoretic View*

10.30-10.55 Coffee Break

10.55-12.10 Multiple Kernels (chair: T. Windeatt)

- M. Panov, A. Tatarchuk, V. Mottl and D. Windridge, *A modified neutral point method for kernel-based fusion of pattern-recognition modalities with incomplete data sets*

- M. Awais, F. Yan, K. Mikolajczyk and J. Kittler, *Two-stage Augmented Kernel Matrix for Object Recognition*
- F. Yan, K. Mikolajczyk and J. Kittler, *Multiple Kernel Learning via Distance Metric Learning for Interactive Image Retrieval*

12.10-13.00 Sequential Combination (chair: F. Tortorella)

- J. Csirik, P. Bertholet and H. Bunke, *Sequential Classifier Combination for Pattern Recognition in Wireless Sensor Networks*
- E. Puertas, S. Escalera and O. Pujol, *Multi-class Multi-scale Stacked Sequential Learning*

13.00-14.30 Lunch

14.30-15.45 Classifier Selection (chair: P. Kegelmeyer)

- L. Batista, E. Granger and R. Sabourin, *Dynamic Ensemble Selection for Off-Line Signature Verification*
- I. Pillai, G. Fumera and F. Roli, *Classifier Selection Approaches for Multi-label Problems*
- M.T. Ricamato, M. Molinara and F. Tortorella, *Selection Strategies for pAUC-based Combination of Dichotomizers*

15.45-16.10 Coffee Break

16.10-17.25 ECOC (chair: D. Windridge)

- R.S. Smith, M. Bober and T. Windeatt, *A Comparison of Random Forest with ECOC-Based Classifiers*
- P. Simeone, C. Marrocco and F. Tortorella, *Two Stage Reject Rule for ECOC Classification Systems*
- M.A. Bautista, O. Pujol, X. Barò and S. Escalera, *Introducing the Separability Matrix for Error Correcting Output Codes coding*

18.00 Guided Tour to Castel dell'Ovo

19.30 Social Dinner @ La Bersagliera Restaurant





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June 17, Friday

9.15-10.30 Clustering (chair: G. Brown)

- A. Jurek, Y. Bi, S. Wu and C. Nugent, *Classification by Cluster Analysis: A New Meta-Learning Based Approach*
- A. Acharya, E.R. Hruschka, J. Ghosh and S. Acharyya, *C3E: A Framework for Combining Ensembles of Classifiers and Clusterers*
- F. Smeraldi, M. Bicego, M. Cristani and V. Murino, *CLOOSTING: CLustering data with BOOSTING*

10.30-10.55 Coffee Break

10.55-11.45 Biometrics (chair: J. Ghosh)

- E. Marasco, P. Johnson, C. Sansone and S. Schuckers, *Increase the security of multibiometric systems by incorporating a spoofing detection algorithm in the fusion mechanism*
- J. Kittler, N. Poh and A. Merati, *Cohort based approach to multiexpert class verification*

11.45-13.00 MCS Quiz

13.00-14.30 Lunch

14.30-15.45 Computer Security (chair J.J. Rodriguez)

- D. Ariu and G. Giacinto, *A modular architecture for the analysis of HTTP payloads based on Multiple Classifiers*
- W. Khreich, E. Granger, A. Miri and R. Sabourin, *Incremental Boolean Combination of Classifiers*
- B. Biggio, I. Corona, G. Fumera, G. Giacinto and F. Roli, *Bagging Classifiers for Fighting Poisoning Attacks in Adversarial Classification Tasks*

15.45-16.10 Coffee Break

16.10 Closing

