ICDM'16 Workshop DMED II: Data Mining in Emerging Domains II
December 12, 2016, Barcelona

DaMEMO organizers: Jeremiah Deng, Irena Koprinska, Alicia Troncoso
DMiP organizers: Kenneth Ellis, Khaled Ammar, Amir Hajian

DMED II contains two workshops: Data Mining for Energy Modeling and Optimization (DaMEMO) and Data Mining for Politics (DMiP).

The inaugural DaDEMO Workshop aims at bringing researchers from data mining, forecasting, energy and power engineering, and other disciplines, to explore the utilization of data mining techniques for developing intelligent solutions of energy related modeling and optimization problems. The Workshop contains 5 papers with topics ranged from energy time series prediction and ensemble-based methods, to anomaly detection.

The DMiP Workshop aims at bringing together researchers from interdisciplinary areas and strengthens collaboration between the political science and data mining communities in understanding the contemporary use of Big Data techniques in political campaigning. We encourage a useful exchange of ideas, techniques and datasets between researchers, political practitioners, social entrepreneurs, and corporate representatives through the workshop.

13:00 - 14:30		Lunch break
DaMEMO	14:30 – 16:10	**Structural Combination of Neural Network Models** *Juan Rendon and Lilian de Menezes* **Application of Fuzzy C-Means for Proactive Clustering of Electrical Power Systems** *Mohammed Abdallatif, Sebastian Schramm, and Jürgen Götze* **Online Outlier Detection of Energy Data Streams using Incremental and Kernel PCA Algorithms** *Jeremiah Deng* **Adaptive Time Series Forecasting of Energy Consumption using Dynamic Cluster Analysis** *Peter Laurinec, Marek Lóderer, Petra Vrablecová, Maria Lucká, Viera Rozinajová, and Anna Bou Ezzeddine* **Incremental Time Series Prediction Using Error-Driven Informed Adaptation** *Petra Vrablecová, Viera Rozinajová, and Anna Bou Ezzeddine*
16:10 - 16:30		Coffee break
DMiP	16:30 – 18:10	**Structural Patterns in the Rise of Germany's New Right on Facebook** *Sebastian Schelter, Felix Biessmann, Malisa Zobel, and Nedelina Teneva* **Leave or Remain? Deciphering Brexit Deliberations on Twitter** *Apalak Khatua and Aparup Khatua* **Change-point Analysis of the Public Mood in UK Twitter during the Brexit Referendum** *Thomas Lansdall-Welfare, Fabon Dzogang, and Nello Cristianini* **Analysing Political Opinions Using Redescription Mining** *Esther Galbrun and Pauli Miettinen*