

2015 Workshop on Machine Learning for Predictive Models in Engineering Applications (MLPMEA 2015)

at the 14th International Conference On Machine Learning and Applications
(ICMLA 2015) December 9-11, 2015 – Miami, Florida, U.S.A
<http://www.icmla-conference.org/icmla15/>

The MLPMEA 2015 workshop provides an excellent international forum for sharing knowledge and results in theory, methodology and applications of Machine Learning for developing predictive models for different engineering applications. Machine Learning models are efficient for handling complex prediction models due to their outstanding performance in handling large scale datasets with uniform characteristics and noisy data. Examples of MLPMEA 2015 topics of interest include building predictive models using Machine Learning to solve specific engineering problems such as regression and classification problems.

The aim of this workshop is to obtain a good perspective into the current state of practice of Machine Learning to address various predictive problems. Some topics relevant to this session include, but are not limited to:

Clustering and Classification	<i>applied to</i>	
Decision Support		
Support Vector Machine		
Time Series		
Decision Trees		
Fuzzy Logic & Systems		
Probabilistic Reasoning		
Lazy Learning		Nuclear Engineering
Recommender Systems		Software Engineering
Expert Systems		Biomedical Engineering
Artificial Neural Networks		Mechanical Engineering
Evolutionary Algorithms		Civil Engineering
Ranking Algorithms		Electrical Engineering
Cognitive Processes		Computer Engineering
Evolutionary Computing		Chemical Engineering
Swarm Intelligence		Industrial Engineering
Artificial Immune Systems		Environmental Engineering
Markov Model		
Chaos Theory		
Multi-Valued Logic		
Ensemble Techniques		
Hybrid Intelligent Models		
Reasoning Models		

Researchers are encouraged to submit their contributions that have direct impact or high dependence on practical issues encountered in real-world environments. Industrial- and market-oriented research papers are also highly encouraged. To this end, MLPMEA's Program Committee consists of members not only from academic/research institutions, but also from the industry, and these members will assist in the review process in cases of industrial and market-related papers.

Submission & Publication:

Accepted papers will be published in IEEE Xplore (IEEE Digital Library). Registration is required for all participants. To be published in the proceedings, every accepted paper MUST have at least one registered author at the full rate and must be presented at the conference. The submission link is <https://cmt.research.microsoft.com/ICMLA2015/Default.aspx>. Papers submitted for reviewing should conform to IEEE specifications. Manuscript templates can be downloaded from [IEEE website](#). The maximum length of submitted papers is 6 pages.

Special Issue:

TBD

Important Dates

Submission Deadline: August 30, 2015

Notification of Acceptance: September 20, 2015

Camera-ready papers & Pre-registration: October 1, 2015, 11:59pm PST

The ICMLA 2015 Conference: December 09-11, 2015

Workshop Chairs

Ali Bou Nassif

Department of Electrical and Computer Engineering
University of Western Ontario, Canada
abounas@uwo.ca

Mohammad Azzeh

Department of Software Engineering
Applied Science University, Jordan
m.y.azzeh@asu.edu.jo

Shadi Banitaan

Department of Computer Science
University of Detroit Mercy, USA
banitash@udmercy.edu

Technical Program Committee

Abed Al Raouf Bsoul, *Yarmouk University, Jordan*

Ali Bou Nassif, *University of Sharjah, UAE*

Anna Leontjeva, *University of Tartu, Estonia*

Cagatay Catal, *Istanbul Kultur University, Turkey*

Cuauhtemoc Lopez-Martin, *Universidad De Guadalajara, Mexico*

Danny Ho, *NFA Estimation Inc., Canada*

Efi Papatheocharous, *SICS, Sweden*

Fadi Salo, *University of Western Ontario, Canada*

Hui Li, *Zhejiang Normal University, China*

Leandro Minku, *The University of Birmingham, UK*

Lefteris Angelis, *Aristotle University of Thessaloniki, Greece*

Lian Liu, *University of Kentucky, USA*

Lukasz Radlinski, *West Pomeranian University of Technology Szczecin, Poland*

Mamdouh Alenezi, *Prince Sultan University, Saudi Arabia*

Manar Abu Taleb, *University of Sharjah, UAE*

Mohammad Azzeh, *Applied Science University, Jordan*

Mohammad Hamdaqa, *University of Waterloo, Canada*

Mohammad Noor Injadat, *University of Western Ontario, Canada*

Monagi Alkinani, *University of Western Ontario, Canada*

Muhammad Rushdi, *Cairo University, Egypt*

Nikolaos Mittas, *Aristotle University of Thessaloniki, Greece*

Rushdi Shams, *University of Western Ontario, Canada*

Rushed Kanawati, *University Paris Nord, France*

S Vinitha Sree, *Cyrcadia Health, Reno, Nevada, USA*

Shadi Banitaan, *University of Detroit Mercy, USA*

Sotiris Kotsiantis, *University of Patras, Greece*

Syed Nadeem Ahsan, *KINPOE/KNPC, Pakistan*

Zaher Alaghbari, *University of Sharjah, UAE*

Zahra Karimi, *University of Stuttgart, Germany*