

International Workshop on Experimental Economics and Machine Learning (EEML 2013)

*In conjunction with [IEEE ICDM 2013](#) (~~December 7~~ **December 8**, Dallas, Texas, USA)*

As a part of renowned international conferences on different branches of machine learning, this workshop intends to integrate scientists from experimental economics with those from AI & Data Mining. First workshop – EEML 2012 – has been successfully accomplished at ICFCFA 2012 and we look forward to encourage more and more researchers' interactions from both fields.

In Experimental Economics, laboratory and field experiments are conducted on subjects in order to improve theoretical knowledge about human behavior in interactions. Although paying different amounts of money restricts the preferences of the subjects in experiments, the exclusive application of analytical game theory does not suffice to explain the recorded data. It exacts the development and evaluation of more sophisticated models. The research area additionally includes experiments, where human subjects are involved into an interaction with automated agents. Nowadays experiments are conducted using state-of-art software like z-Tree, which produces huge text data sets.

The more data is used for the evaluation, the more of statistical significance can be achieved. Since huge amounts of behavioral data are required to be scanned for regularities and automated agents are required to simulate and to intervene human interactions, Data Mining is the tool of choice for the research in Experimental Economics. We hope that this workshop associated with the conference and other related workshops will help to gather researchers from data analysis and economic communities in order to gain the beneficial results.

Website: <http://eeml2013.hse.ru/>

Subject coverage:

- Economical Applications of Machine Learning
- Economical Innovations and Data Mining
- Experimental Economics and Complex Networks
- Econometrics VS Machine Learning & Data Mining
- Human Behavior Modeling and Game Theory
- Innovative applications of Concept Lattices in Economics & Data Mining
- Interdisciplinary Data Science
- Knowledge Discovery in Economics Domain
- Machine Learning for Social Sciences
- New Modeling Languages for Economics (Bayes and Markov Nets, Petri Nets etc.)
- Ontologies for Economics
- Real Data Mining Projects

Workshop chairs

- Rustam Tagiew, Qlaym GmbH, Germany
- Dmitry Ignatov, National Research University Higher School of Economics, Russia

- Fadi Amroush, Granada Lab of Behavioral Economics (GLOBE), Spain

Tentative Program Committee

Aleksandr Karpov, National Research University Higher School of Economics, Russia
 Alexander Panchenko, Université catholique de Louvain, Belgium
 Antonio Gabriel López Herrera, Department of Computer Science and Artificial Intelligence, Spain
 Boris Galitsky, e-Bay Inc, USA
 Boris Mirkin, National Research University Higher School of Economics, Russia
 Daniel Karabekyan, National Research University Higher School of Economics, Russia
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 Heather D. Pfeiffer, Akamai Physics Inc, USA
 Irina Efimenko, National Research University Higher School of Economics, Russia
 Jonas Poelmans, Katholieke Universiteit Leuven, Belgium
 Leonid Zhukov, National Research University Higher School of Economics, Russia
 Malay Bhattacharyya, University of Kalyani, India
 Mikhail Khachay, Institute of Mathematics and Mechanics, Ural Branch of RAS, Ekaterinburg, Russia
 Mykola Pechenizkiy, Eindhoven Technical University, The Netherlands
 Nicola Vitucci, Politecnico di Milano, Italy
 Nikolaos Georgantzis, University of Granada & Universitat Jaume I, Spain
 Olga Barinova, Moscow State University, Russia
 Paul Elzinga, Katholieke Universiteit Leuven, Belgium and Amsterdam-Amstelland police, The Netherlands
 Pouya Dehghani Tafti, Qlaym GmbH
 Rostislav Yavorskiy, Skolkovo Foundation, Russia
 Sergei Kuznetsov, National Research University Higher School of Economics, Russia
 Simon Polovina, Sheffield Hallam University, UK
 T.L. Hoang, Eindhoven Technical University, The Netherlands
 Vladimir Khoroshevsky, Computing Centre of Russian Academy of Sciences, Russia
 Vlado Menkovski, Eindhoven Technical University, The Netherlands
 Xenia Naidenova, Military Medical Academy, St. Petersburg, Russia
 Yevgenya Kovalchuk, University of Essex, UK

Important dates

July 20, 2013: Due date for abstracts
 August 3, 2013: Due date for full workshop papers
 September 24, 2013: Notification of paper acceptance to authors
December 7 ~~December 8~~, 2013: Day of workshop

Registration

All attendees to the workshop are required to register as participants of IEEE ICDM 2013. Information regarding registration will soon be made available by the conference organization on the conference site: <http://icdm2013.rutgers.edu/>.

Submissions

ICDM has the unique tradition that all accepted workshop papers are published in formal proceedings by the IEEE Computer Society Press. The proceeding will be released in the IEEE Digital Library as well. This requires ICDM to uphold a very standard of quality for all workshop contributions.

- 1) Paper submissions is limited to a maximum of *8* pages, and follow the IEEE ICDM format requirements <http://icdm2013.rutgers.edu/author-instructions>
- 2) Submissions can be done over https://wi-lab.com/cyberchair/2013/icdm13/scripts/submit.php?subarea=SJ&undisplay_detail=1&wh=/cyberchair/2013/icdm13/scripts/ws_submit.php
- 3) Each submitted paper is to be carefully reviewed by at least two, preferably three, knowledgeable and experienced reviewers.
- 4) Every accepted paper is invited to be presented at the workshop date.

As by the ICDM tradition, at submission of papers for the conference, authors can indicate whether they want their papers fast-tracked to a workshop. These papers will be transferred from the main conference review track to the indicated workshop review track.

Proceedings

Once the decision on paper acceptance has been made, the authors will be notified that camera-ready versions of their papers should be prepared and submitted through the IEEE ICDM Workshop CyberChair submission system. Due to the strict production schedule of IEEE Press, these deadlines cannot be postponed.

EEML 2012 Proceedings can be found by the following link: <http://ceur-ws.org/Vol-870/>.