

IWIM-2018 PROGRAM

Section 1. New approaches in inductive modelling

- (1.1) *Volodymyr Stepashko* (Ukraine)
From Inductive to Intelligent Modeling
- (1.2) *Yuriy Zaychenko* (Ukraine)
Fuzzy Inductive Modeling Method and its Application in Forecasting Problems
- (1.3) *Serhiy Yefimenko* (Ukraine)
Construction of Intelligent Information Technology for Inductive Modeling of Complex Processes on the Basis of Recurrent-and-Parallel Computations
- (1.4) *Yevgeniya Savchenko, Volodymyr Stepashko* (Ukraine)
Metamodeling as a Way to Universalization of Inductive Modeling Tools
- (1.5) Gregory Ivakhnenko (Great Britain)
Inductive GMDH-based Approach to Hierarchical Forecasting

Section 2. Real-world applications of inductive modelling

Subsection 2.1. Applications in engineering and web-mining tasks

- (2.1) *Frank Lemke* (Germany)
Self-organizing Inductive Modeling for Probabilistic Electricity Price Forecasting
- (2.2) *Volodymyr Osypenko, Viktor Kaplun* (Ukraine)
On Modeling-Based Elements of an Intelligent System for Cost-Effective Dispatching of Energy Islands with Photovoltaic Sources
- (2.3) *Yevgeniya Savchenko, Volodymyr Stepashko, Olena Tokova* (Ukraine)
A New Method of Comparing Cooling Curves to Recognize the Casting Quality
- (2.4) *Angels Catena, Mikhail Alexandrov, Dmitry Stefanovskiy* (Spain)
Simple Models for Assessment of Phrase Tonality
- (2.5) *Viacheslav Zosimov, Oleksandra Bulgakova* (Ukraine)
Usage of Inductive Algorithms for Building a Search Results Ranking Model Based on Visitor Rating Evaluations

Subsection 2.2. Applications in health and biological tasks

- (2.6) *Mykola Dyvak, Natalia Porplytsya, Volodymyr Tymets, Yurii Maslyiak* (Ukraine)
Method of Structural Identification of a Model for Recurrent Laryngeal Nerve Detection
- (2.7) *Liliya Akhtyamova, Mikhail Alexandrov, John Cardiff, Olexiy Koshulko* (Ireland)
Building Classifiers with GMDH for Health Social Networks (DB AskaPatient)

- (2.8) *S.V. Tyulyupo, A.A. Andrakhanov, B.A. Dashieva, A.V. Tyryshkin* (Russia)
Adolescents Psychological Well-Being Estimation Based on a Data Mining Algorithm
- (2.9) *Olha Moroz, Volodymyr Stepashko* (Ukraine)
Data reconstruction of seasonal changes of amylolytic microorganisms amount in copper polluted soils
- (2.10) *Iryna Lurie, Volodymyr Lytvynenko, Volodymyr Osypenko, Maria Voronenko* (Ukraine)
The Use of Inductive Methods for Determination of the Binding Affinity of Interacting Biological Molecules