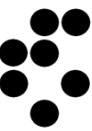




100 YEARS OF ALAN TURING AND 20 YEARS OF SLAIS

Dunja Mladenić

Marko Bohanec





100 YEARS OF ALAN TURING AND 20 YEARS OF SLAIS

Centenary of Alan Turing's birth and the 20-years anniversary of the Slovenian Artificial Intelligence Society

Conference themes:

- Turing's unique impact on science
- Achievements of Slovenian researchers in AI



100 YEARS OF ALAN TURING AND 20 YEARS OF SLAIS

- *Alan Mathison Turing* (1912 - 1954)
 - English mathematician, logician, cryptanalyst, and computer scientist
 - highly influential in the development of computer science, providing a formalisation of the concepts of "algorithm" and "computation" with the Turing machine
 - widely considered to be the father of computer science and artificial intelligence.



100 YEARS OF ALAN TURING AND 20 YEARS OF SLAIS

- *Slovenian Artificial Intelligence Society (SLAIS)*
 - association of researchers and practitioners in the field of Artificial Intelligence in Slovenia
 - promotes theoretical and applied research as well as the transfer of AI technology to industrial and commercial environments
 - member society of European Conference for Artificial Intelligence (ECAI)
 - founded in 1992





Schedule

9:00 - 9:15 Opening

09:15 - 10:00 Honorary Speaker

Four Decades Of Artificial Intelligence In Slovenia, Ivan Bratko, University of Ljubljana, Slovenia

10:00 - 10:45 Invited Talk

Alan Turing and the Development of Artificial Intelligence, Stephen Muggleton, Imperial College London, UK

10:45 - 11:00 Conference Papers

Alan Turing - Einstein of computer science, Matjaž Gams, J. Stefan Institute, Slovenia

11:00 - 11:30 Coffee break

11:30 - 12:15 Invited Talk

Human Factors in the World of Digital Computing and Digital Information, Nataša Milić-Frayling, Microsoft Research, UK

12:15 - 12:30 Conference Papers

Artificial Intelligence Handling Text Data, Dunja Mladenić and Marko Grobelnik, J. Stefan Institute, Slovenia

12:30 - 13:15 Invited Talk

Mining Big Data in Real Time, Albert Bifet, Yahoo Research, Spain

13:15 - 14:15 Lunch break

14:15 - 15:00 Invited Talk

The Child's Machine vs. the World's Brain, Claude Sammut, University of New South Wales, Australia

15:00 - 15:30 Conference Papers

Advances in Data Mining for Biomedical Research, Nada Lavrač and Petra Kralj Novak, J. Stefan Institute, Slovenia

DEX Methodology: Thirty three years of qualitative multi-attribute modeling, Marko Bohanec, Vladislav Rajkovič, Ivan Bratko, Blaž Zupan and Martin Žnidaršič, J. Stefan Institute, University of Maribor, University of Ljubljana, Slovenia

15:30 - 16:00 Coffee break

16:00 - 16:45 Invited Talk

Data Stream Mining For Ubiquitous Environments, Joao Gama, University of Porto, Portugal

16:45 - 17:30 Conference Papers

Machine Learning for Systems Biosciences, Saso Džeroski, J. Stefan Institute, Slovenia

Explanation and Reliability of Individual predictions: Recent Research by LKM, Igor Kononenko, Erik Štrumbelj, Zoran Bosnić, Darko Pevec, Matjaž Kukar, Marko Robnik-Šikonja, University of Ljubljana, Slovenia

ORANGE: Data Mining Fruitful and Fun, Janez Demšar and Blaž Zupan, University of Ljubljana, Slovenia



Turing-SLAIS sessions

(talks available at videolectures.net)

Honorary Speaker

- Four Decades Of Artificial Intelligence In Slovenia, *Ivan Bratko*

Invited talks

- Alan Turing and the Development of Artificial Intelligence, *Stephen Muggleton, Imperial College London*
- Human Factors in the World of Digital Computing and Digital Information, *Nataša Milić-Frayling, Microsoft Research*
- Mining Big Data in Real Time, *Albert Bifet, Yahoo Research*
- The Child's Machine vs. the World's Brain, *Claude Sammut, University of New South Wales*
- Data Stream Mining For Ubiquitous Environments, *Joao Gama, University of Porto*

7 papers on Alan Turing, outstanding Slovenian AI achievements