



**THE DUAL TAIWAN-ISRAEL RESEARCH SYMPOSIUM ON**  
**"ARTIFICIAL INTELLIGENCE AND LEARNING ALGORITHMS"**  
**AND**  
**"EFFECTS OF HUMAN ACTIVITIES ON MARINE ENVIRONMENTS"**

under the auspices of  
**The Israeli Ministry of Science and Technology**  
and  
**Taiwan National Science Foundation**

organized by  
**Prof. Larry Manevitz**  
Department of Computer Science, University of Haifa  
**Dr. Daniel Sher**  
Department of Marine Biology  
**Dr. Fadil Salih**  
The Israeli Ministry of Science and Technology

**12<sup>th</sup> - 13<sup>th</sup>, December 2011**

**Caesarea-Rothschild Institute**  
**Rooms 363, 566 and 570, Education Building**

**University of Haifa**

# ARTIFICIAL INTELLIGENCE AND LEARNING ALGORITHMS

organized by  
**Prof. Larry Manevitz**

**Program Committee:** Prof. Nahum Dershowitz, Prof. Martin Golumbic,  
Prof. Sarit Kraus, Prof. Larry Manevitz

**December 12<sup>th</sup>-13<sup>th</sup>, 2011 University of Haifa**

**Caesarea-Rothschild Institute – Room 570, Education Building (except opening)**

**December 12th**

8:00-9:30	<b>Breakfast at the Hotel</b>	
10:00-10:30	<b>Opening of the Conference – Room 363, 3<sup>th</sup> Floor, Education Building</b> Prof. Martin Golumbic, Head, The Caesarea-Rothschild Institute – Greetings – Prof. Daniel Hershkowitz, the Israel Minister of Science Mr. Ching-Fong Chang, The Taiwan Deputy Minister of Science Prof. Aharon Ben-Zeev, President of the University of Haifa Prof. David Faraggi, Rector of the University of Haifa Prof. Michal Yerushalmy, Vice-president and Dean of Research	
10:30-11:20	<b>Sheng-Tzong Cheng</b> (45 mn talk) National Cheng King University (NCKU)	Cellular Automata for Cars
11:20-11:30	<b>Coffee Break</b>	
11:30-12:00	<b>Claudia Goldman-Shenhar</b> (25 mn talk) General Motors, Israel	Automated Advice Generation for Human Machine Systems
12:00-12:30	<b>Malik Yousef</b> (25 mn talk) Sakhnin College	A Zero-Norm Feature Selection Method for Improving the Performance of the One-Class Machine Learning for MicroRNA Target Detection
12:30-13:00	<b>Jeffrey Rosenschein</b> (25 mn talk) Hebrew University of Jerusalem	Strategy-proof Classification
13:00-14:00	<b>Lunch 6<sup>th</sup> floor, CRI Lounge, Education Building</b>	
14:00-14:50	<b>Wen-Yang Lin</b> (45 mn talk) National University of Kaohsiung (NUK)	Mining Indirect Associations over Data Streams and Its Applications
14:50-15:20	<b>Moshe Koppel</b> (25 mn talk) Bar Ilan University	An unsupervised method for decomposing a document into authorial components (with applications to the Bible)
15:20-15:50	<b>Larry Manevitz</b> (25 mn talk) University of Haifa	Establishing the Existence of a "Fast Encoding" Adult Human Declarative Memory System via Machine Learning on fMRI data
15:50-16:10	<b>Coffee Break</b>	
16:10-17:00	<b>Chang-Shing Lee</b> (45 mn talk) National University of Tainan (NUTN)	Type-2 Fuzzy Ontology and Its Applications
17:00-17:30	<b>Ya'akov (Kobi) Gal</b> (25 mn talk) Ben Gurion University	Cooperative Tools for Exploratory Domains
17:30-18:00	<b>Sarit Kraus</b> (25 mn talk) Bar Ilan University	A Cultural Sensitive Agent for Human-Computer Negotiation

**December 13<sup>th</sup>**

7:45-8:45	<b>Breakfast</b>	
<b>9:00-10:00</b>	Tour of the University	
10:00-10:50	<b>Yuh-Jye Lee</b> (45 mn talk) National Taiwan University of Science and Technology (NTU)	Combine the Passive and Aggressive Algorithm with a Proximal Model
<b>11:00-11:15</b>	<b>Coffee Break</b>	
11:15-11:45	<b>Yishai Mansour</b> (25 mn talk) Tel Aviv University	Learning and Domain Adaptation
11:45-12:15	<b>Shaul Markovitch</b> (25 mn talk) Israel Institute of Technology (Technion)	Wikipedia-based semantics, with application to Machine Learning and Information Retrieval
<b>12:30-13:30</b>	<b>Lunch 6<sup>th</sup> floor, CRI Lounge, Education Building</b>	
13:45-14:30	<b>Von-Wun Soo</b> (45 mn talk) National Tsing Hua University (NTHU)	Identify Drug Co-target to Fight Drug Resistance Based on a Random Walk Model
14:30-15:00	<b>Shulamit Reches</b> (25 mn talk) Jerusalem Institute of Technology	When to Stop? That is the Question
15:00-15:30	<b>Gideon Ariely</b> (25 mn talk) Ministry of Science and Technology, Israel	The Connectionist Approach vs. The Symbolic Approach in AI
15:30-16:00	<b>Nachum Dershowitz</b> (25 mn talk) Tel Aviv University	Algorithmic Paleography
16:00-16:15	Closing Remarks Prof. Martin Golumbic, Director CRI, University of Haifa	

For program updates, visit: [www.cri.haifa.ac.il](http://www.cri.haifa.ac.il)