

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 Council

organized by

Prof. Larry Manevitz

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Prof. Yehuda Benayahu

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Dr. Fadil Salih

The Israeli Ministry of Science and Technology

Dr. Husam Massalah

The Israeli Ministry of Science and Technology

12th - 13th, December 2011

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

University of Haifa

Taiwan – Israel Research Symposium on

ARTIFICIAL INTELLIGENCE AND LEARNING ALGORITHMS

Organizing Committee: Prof. Larry Manevitz (Chair), Prof. Nahum Dershowitz, Prof. Martin Golumbic, Prof. Sarit Kraus, Dr. Fadil Salih

December 12th-13th, 2011 University of Haifa

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

December 12th

8:00-9:30	Breakfast at the Hotel	
10:00-10:30 Room 363 Education Building 3rd Floor	Opening of the Conference – Room 363, 3th Floor, Education Building Prof. Martin Golumbic, Head, The Caesarea-Rothschild Institute – Greetings – Prof. Ching-Fong Chang, the Taiwan Deputy Minister of National Science Council Prof. Aharon Ben-Zeev, President of the University of Haifa Ms. Ilana Lowi, Director, Division for International Relations, Ministry of Science and Technology Prof. David Faraggi, Rector of the University of Haifa Prof. Michal Yerushalmy, Vice-president and Dean of Research	
Room 570, Education Building		
10:30-11:00	Jeffrey Rosenschein (25 mn) Hebrew University of Jerusalem	Strategy-proof Classification
11:00-11:50	Sheng-Tzong Cheng (45 mn) National Cheng King University (NCKU)	Cellular Automata for Cars
11:50-12:00	Coffee Break	
12:00-12:30	Claudia Goldman-Shenhar (25 mn) General Motors, Israel	Automated Advice Generation for Human Machine Systems
12:30-13:00	Malik Yousef (25 mn) Sakhnin College	A Zero-Norm Feature Selection Method for Improving the Performance of the One-Class Machine Learning for MicroRNA Target Detection
13:00-14:00	Lunch 6th floor, CRI Lounge, Education Building	
14:00-14:50	Wen-Yang Lin (45 mn) National University of Kaohsiung (NUK)	Mining Indirect Associations over Data Streams and Its Applications
14:50-15:20	Moshe Koppel (25 mn) Bar Ilan University	An Unsupervised Method for Decomposing a Document into Authorial Components (with Applications to the Bible)
15:20-15:50	Larry Manevitz (25 mn) 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	Coffee Break	
16:10-17:00	Chang-Shing Lee (45 mn) National University of Tainan (NUTN)	Type-2 Fuzzy Ontology and Its Applications
17:00-17:30	Ya'akov (Kobi) Gal (25 mn) Ben Gurion University	Cooperative Tools for Exploratory Domains
17:30-18:00	Sarit Kraus (25 mn) Bar Ilan University	A Cultural Sensitive Agent for Human-Computer Negotiation

December 13th

7:45-8:45	Breakfast	
9:30-10:00	Gideon Ariely (25 mn) Ministry of Science and Technology, Israel	The Connectionist Approach vs. The Symbolic Approach in AI
10:00-10:50	Yuh-Jye Lee (45 mn) National Taiwan University of Science and Technology (NTU)	Combine the Passive and Aggressive Algorithm with a Proximal Model
11:00-11:15	Coffee Break	
11:15-11:45	Yishay Mansour (25 mn) Tel Aviv University	Learning and Domain Adaptation
11:45-12:15	Shaul Markovitch (25 mn) Israel Institute of Technology (Technion)	Wikipedia-based Semantics, with Application to Machine Learning and Information Retrieval
12:30-13:30	Lunch 6th floor, CRI Lounge, Education Building, Hosted by Mr. Menachem Greenblum, Director General, Ministry of Science and Technology	
13:45-14:30	Von-Wun Soo (45 mn) National Tsing Hua University (NTHU)	Identify Drug Co-target to Fight Drug Resistance Based on a Random Walk Model
14:30-14:40	Coffee Break	
14:40-15:10	Shulamit Reches (25 mn) Jerusalem Institute of Technology	When to Stop? That is the Question
15:10-15:40	Nachum Dershowitz (25 mn) Tel Aviv University	Algorithmic Paleography
15:40-15:50	Closing Remarks Prof. Martin Golumbic, Director CRI, University of Haifa	

For program updates, visit: www.cri.haifa.ac.il

EFFECTS OF HUMAN ACTIVITIES ON MARINE ENVIRONMENTS

Organizing Committee: Prof. Yehuda Benayahu (Chair), Prof. Amazia Genin, Dr. Daniel Sher, Dr. Maoz Fine, Prof. Aldo Shemesh, Dr. Husam Massalah

December 12th-13th, 2011 University of Haifa

Caesarea-Rothschild Institute – Room 566, Education Building (except opening)

December 12th

8:00-9:30	Breakfast at the Hotel	
10:00-10:30 Room 363 Education Building 3rd Floor	Opening of the Conference – Room 363, 3th Floor, Education Building Prof. Martin Golumbic, Head, The Caesarea-Rothschild Institute – Greetings – Prof. Ching-Fong Chang, the Taiwan Deputy Minister of National Science Council Prof. Aharon Ben-Zeev, President of the University of Haifa Ms. Ilana Lowi, Director, Division for International Relations, Ministry of Science and Technology Prof. David Faraggi, Rector of the University of Haifa Prof. Michal Yerushalmy, Vice-president and Dean of Research	
Room 566, Education Building		
10:30-11:10	Gwo-Ching Gong (40 mn) National Taiwan Ocean University	Overview of Oceanic Research in Taiwan and Effects of Global Change on Marine Biogeochemical Cycling
11:10-11:30	Yossi Loya (20 mn) Tel Aviv University	Reproductive Strategies in Mushroom Stony Corals
11:30-11:50	Coffee Break	
11:50-12:10	Ruth Yahel (20 mn) Israel Nature and Park Authority	Marine Conservation at the Israeli Mediterranean Sea: Threats and Challenges
12:10-12:30	Maoz Fine (20 mn) Bar Ilan University	Corals and Coral Reefs in a Changing World
12:30-12:50	Hudi Benayahu (20 mn) Tel Aviv University	Octocorals: A Platform for Collaboration between Taiwanese and Israeli Scientists
13:00-14:00	Lunch 6th floor, CRI Lounge, Education Building	
Chair: Maoz Fine		
14:00-14:40	Ming-An Lee (40 mn) National Taiwan Ocean University	Effects of Global Change on Fisheries
14:40-15:00	Arik Diamant (20 mn) Israel Oceanographic & Limnological Research	Alien and Native Fish Assemblages in the Warming Eastern Mediterranean from a Parasitological Viewpoint
15:00-15:20	Muki Shpigel (20 mn) Israel Oceanographic & Limnological Research	Sustainable Multi-trophic Mariculture Systems in the Red Sea: Back to the Future
15:20-15:40	Dror Angel (20 mn) Haifa University	Sustainable Aquaculture: Getting the Most out of the Ocean with the Least Effect
15:40-16:00	Tamar Zohary (20 mn) Israel Oceanographic & Limnological Research	Anthropogenic Impacts on the Sea of Galilee: Ecological Responses
16:00-16:20	Coffee Break	

Chair: Daniel Sher		
16:20-17:00	Chau-Ron Wu (40 mn) National Taiwan Normal University	Effects of Global Change on Ocean Currents
17:00-17:20	Aldo Shemesh (20 mn) The Weizmann Institute of Science	Oxygen and Carbon Isotopes in Marine and Lacustrine Diatoms: Indicators of Global and Regional Paleoclimate
17:20-17:40	Hezi Gildor (20 mn) The Hebrew University of Jerusalem	Submesoscale Mixing Observations and Modeling: From Vertical Density Currents to Horizontal Barriers to Mixing
17:40-18:00	Eyal Ben Dor (20 mn) Tel Aviv University	Hyperspectral Remote Sensing as an Effective Tool for Aquatic Mapping

December 13th

7:45-8:45	Breakfast	
Chair: Hudi Benayahu		
9:00-9:40	Chang Feng-Dai (40 mn) National Taiwan University	Effects of Global Change on Coral Reef System
09:40-10:00	Avigdor Abelson (20 mn) Tel Aviv University	Coral Reef Restoration: Is it a Chronicle of Failure Foretold?
10:00-10:20	Danny Tchernov (20 mn) University of Haifa	The Rise and Fall of Stony Corals
10:20-10:40	Coffee Break	
Chair: Dan Tchernov		
10:40-11:20	Fuh-Kwo Shiah (40 mn) Academia Sinica	Effects of Global Change on Microbial Ecology
11:20-11:40	Debbie Lindel (20 mn) Israel Institute of Technology, Technion	Genomic Island Variability Facilitates Coexistence between Marine Viruses and their <i>Prochlorococcus</i> Hosts
11:40-12:00	Assaf Vardi (20 mn) The Weizmann Institute of Science	Sensing Environmental Stresses and Cellular Responses in Marine Phytoplankton
12:00-12:20	Daniel Sher (20 mn) University of Haifa	Patterns of Interactions among Marine Microbes: What we Know, What we Want to Know and What we Need to Know
	Closing Remarks	
12:30-13:30	Lunch 6th floor, CRI Lounge, Education Building, Hosted by Mr. Menachem Greenblum, Director General, Ministry of Science and Technology	