

ICRI-CI 2016 Retreat – Agenda Day 1

Start	Duration	End	Session	Speaker	Title/Chair
Day 1, Tuesday, 24-May-2016					
8:15	0:45	9:00	Registration, Gathering, Breakfast		
9:00	0:20	9:20	Opening		
				Ronny + Shalom	Opening Notes
9:20	3:55	13:15	Deep Learning		Shai Fine
9:20	0:10	9:30		Shai Fine	Deep Learning - Capstone Overview
9:30	0:25	9:55		Shie Mannor	Graying the Black Box of Deep Q Network
9:55	0:25	10:20		Naftali Tishby	Irreducible Representations of Symmetries and Solvable Deep Learning Models
10:20	0:25	10:45		Shai Shalev Shwartz	Minimizing the Maximal Loss: Why and How
10:45	0:30	11:15	Break + Posters		
11:15	0:25	11:40		Amnon Shashua	On the Quest for a Deeper Understanding of Deep Learning
11:40	0:25	12:05		Ohad Shamir	Geometric Structure of Multilayer Neural Networks
12:05	0:25	12:30		Nati Srebro	Geometry, Optimization and Regularization in Deep Learning
12:30	0:25	12:55		Lior Wolf	RNN Fisher Vectors for Action Recognition and Image Annotation
12:55	0:20	13:15		Shai Fine	Arch/ML Brainstorm Report
13:15	1:00	14:15	Lunch + Posters		
14:15	1:00	15:15	Arch/ML Brainstorm Breakout session		Shai Fine
15:15	0:30	15:45	Break + Posters		
15:45	2:00	17:45	Architecture		Debbie Marr
15:45	0:20	16:05		Debbie Marr	Architecture - Capstone Overview
16:05	0:25	16:30		Uri Weiser	To Process-in-Storage, or not to Process-in-Storage? That is the question
16:30	0:25	16:55		Ran Ginosar	From Processing-in-Memory to Processing-in-Storage
16:55	0:25	17:20		Yuval Cassuto	Similarity Calculations in Resistive Memories
17:20	0:25	17:45		Yoav Etsion	On the Limitations of using Neural Networks for Memory Prefetching
17:45	1:15	19:00	Posters + Reception		

ICRI-CI 2016 Retreat – Agenda Day 2

Start	Duration	End	Session	Speaker	Title/Chair
Day 2, Wednesday, 25-May-2016					
8:15	0:45	9:00	Registration, Gathering, Breakfast		
9:00	1:40	10:40	Conversational Understanding		Moshe Wasserblat
9:00	0:25	9:25		Moshe Wasserblat	Conversational Understanding - Capstone Overview
9:25	0:25	9:50		Ido Dagan	Integrated Pattern-Based and Distributional Learning of Lexical Relations with Recurrent Neural Networks
9:50	0:25	10:15		Moshe Koppel	Improving Speech Recognition with Discriminative Fluency Classification
10:15	0:25	10:40		Amir Globerson	Semisupervised learning with variational probabilities
10:40	0:30	11:10	Break + Posters		
11:10	1:50	13:00	Visual		Ronny Ronen
11:10	0:10	11:20		Ronny Ronen	Session Overview
11:20	0:25	11:45		Sarit Kraus	Strategical Argumentative Agent for Human Persuasion
11:45	0:25	12:10		Lior Wolf	PatchBatch: a Batch Augmented Loss for Optical Flow
12:10	0:25	12:35		Yair Weiss	Statistics of RGBD Images
12:35	0:25	13:00		Shmuel Peleg	Calibration of Multiple Cameras using Scene Dynamics
13:00	1:00	14:00	Poster Session + Lunch		

ICRI-CI 2016 Retreat – List of Posters – Day 1

<u>Supervisor</u>	<u>Title</u>
Tues. May 24	
Deep Learning	
Boaz Nadler	Unsupervised Ensemble Learning with Dependent Classifiers
Michael Zibulevsky	Acceleration of stochastic gradient methods using sequential subspace optimization (SESOP)
Michael Zibulevsky	Compressed sensing with deep neural networks
Ohad Shamir	On the Quality of the Initial Basin in Overspecified Neural Networks
Shie Mannor	Graying the black box: Understanding DQNs
Tali Tishby	Perception-Action Model for Navigational Learning
Hayit Greenspan	Chest Pathology Identification using Deep Feature Selection with Non-Medical Training
Hayit Greenspan	Applications of Deep Networks for Medical image analysis
Jacob Goldberger	Training deep neural-networks based on unreliable labels
Jacob Goldberger	Multi-view deep learning architecture for classification of breast microcalcifications
Yoav Goldberg	Simple and Accurate Dependency Parsing Using Bidirectional LSTM Feature Representations
Yoav Goldberg	Easy-First Dependency Parsing with Hierarchical Tree LSTMs
Yoav Goldberg	architectures for sequence to sequence mapping for inflection generation
Architecture	
Uri Weiser	Funnel basics
Yuval Cassuto	Coded High-Throughput Memory Systems
Shahar Kvatinsky	Controlling Uniformity in MLC ReRAM
Shahar Kvatinsky	A Fully Analog Neural Network for Gradient Decent Online Training
Shahar Kvatinsky	MPU - Memory Processing Unit
Uri Weiser/Ran Ginosar	In-Memory Implementation of Smith-Waterman Algorithm on Resistive CAM

ICRI-CI 2016 Retreat – List of Posters – Day 2

<u>Supervisor</u>	<u>Title</u>
Wed. May 25	
Conversational Understanding	
Jacob Goldberger	A Hybrid Approach for Speech Enhancement Using MoG Model and Neural Network Phoneme Classifier
Roi Reichart	The Structured Weighted Violations Perceptron Algorithm
Ido Dagan	PROPS: High Accuracy Proposition Extraction
Ari Rappoport/Roi Reichart	Symmetric Pattern Based Word Embeddings for Improved Word Similarity Prediction
Yoav Goldberg	Simple and Accurate Dependency Parsing Using Bidirectional LSTM Feature Representations
Yoav Goldberg	Easy-First Dependency Parsing with Hierarchical Tree LSTMs
Yoav Goldberg	architectures for sequence to sequence mapping for inflection generation
Machine Vision	
Ayelet Tal/Lihi Zelnik-Manor	visual saliency prediction in video
Daphna Weinshall	Affective video tagging from facial expressions
Sarit Kraus	Automated Agents for the Provision of Arguments
Hayit Greenspan	Chest Pathology Identification using Deep Feature Selection with Non-Medical Training
Hayit Greenspan	Applications of Deep Networks for Medical image analysis
Yair Weiss	The Return of the Gating Network: Combining Generative Models and Discriminative Training in Natural Image Priors.