ICRI-CI 2016 Retreat – Agenda Day 1

Start	Duration	End	Session	Speaker	Title/Chair	
Day 1, Tu	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, W	Day 2, Wednesday, 25-May-2016						
8:15	0:45	9:00	Registratio	on, 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.					