The 7th BIU Winter School: Differential Privacy

Location: Kfar Maccabiah Conference Center, Ramat Gan, Israel.

School organizers: Yehuda Lindell, Kobbi Nissim, and Benny Pinkas.

Sunday, February 12, 2017	
8:15 am to 8:45 am	***Registration***
8:45 am to 9:00 am	Opening remarks
9:00 am to 10:00 am	Vitaly Shmatikov: The Anonymization/De-identification Paradigm
10:00 am to 10:15 am	*Coffee break*
10:15 am to 11:15 am	Vitaly Shmatikov: Re-identification Attacks
11:15 am to 11:45 am	*Coffee break*
11:45 pm to 12:45 pm	Vitaly Shmatikov: Inference Attacks
12:45 pm to 2:15 pm	*Lunch*
2:15 pm to 3:15 pm	Katrina Ligett: Introduction to Differential Privacy, Randomized Response, Basic Properties
3:15 pm to 3:30 pm	*Coffee break*
3:30 pm to 4:30 pm	Katrina Ligett: Basic Tools – Laplace Mechanism, Exponential Mechanism
4:30 pm to 5:00 pm	*Coffee break*
5:00 pm to 6:00 pm	Katrina Ligett, Kobbi Nissim and Adam Smith: Further Examples/Problem Solving
7:00 pm	*Bus to Tel Aviv*

Monday, February 13, 2017	
9:00 am to 10:00 am	Katrina Ligett: Private Data Release
10:00 am to 10:15 am	*Coffee break*
10:15 am to 11:15 am	Jon Ullman: Lowerbound Techniques: Packing Argument
11:15 am to 11:45 am	*Coffee break*
11:45 pm to 12:45 pm	Jon Ullman: Private Data Release – Intractability
12:45 pm to 2:15 pm	*Lunch*
2:15 pm to 3:15 pm	Kobbi Nissim: Advanced Tools: Tree Algorithm, Advanced Composition
3:15 pm to 3:30 pm	*Coffee break*
3:30 pm to 4:30 pm	Katrina Ligett: Advanced Tools - Sparse Vector
4:30 pm to 5:00 pm	*Coffee break*
5:00 pm to 6:00 pm	Jon Ullman: Private Multiplicative Weights

7:00 pm	*Bus to Tel Aviv*

Tuesday, February 14, 2017	
9:00 am to 10:30 am	Adam Smith: Advanced Tools - Stability Based Techniques, Choosing/Gap Mechanism
10:30 am to 10:45 am	*Coffee break*
10:45 am to 11:45 am	Jon Ullman: Lowerbound Techniques: Fingerprinting Codes
11:45 am to 12:00 pm	*Coffee break*
12:00 pm to 1:30 pm	Adam Smith: Local Algorithms
1:30 pm	*Excursion*

Wednesday February 15 , 2017	
9:00 am to 10:00 am	Vitaly Shmatikov: Privacy – What It Is and What It Isn't?
10:00 am to 10:15 am	*Coffee break*
10:15 am to 11:15 am	Vitaly Shmatikov: Privacy Meets Machine Learning
11:15 am to 11:45 am	*Coffee break*
11:45 pm to 12:45 pm	Kobbi Nissim: Generalization and Privacy
12:45 pm to 2:15 pm	*Lunch*
2:15 pm to 3:15 pm	Kobbi Nissim: Private Learning 1
3:15 pm to 3:30 pm	*Coffee break*
3:30 pm to 4:30 pm	Kobbi Nissim: Private Learning 2
4:30 pm to 5:00 pm	*Coffee break*
5:00 pm to 6:00 pm	Adam Smith: Private ERM
7:00 pm	*Bus to Tel Aviv*

Thursday, February 16, 2017	
9:00 am to 10:00 am	Adam Smith: Privacy and Statistics
10:00 am to 10:15 am	*Coffee break*
10:15 am to 11:15 am	Jon Ullman: Lowerbound Techniques: Reconstruction Attacks
11:15 am to 11:45 am	*Coffee break*
11:45 pm to 12:45 pm	Jon Ullman: Tracing Attacks
12:45 pm to 2:15 pm	*Lunch*
2:15 pm to 3:15 pm	Adam Smith: Analyzing Graphs

3:15 pm to 3:30 pm	*Coffee break*
3:30 pm to 4:30 pm	Katrina Ligett: Privacy and Game Theory 1
4:30 pm to 5:00 pm	*Coffee break*
5:00 pm to 6:00 pm	Katrina Ligett: Privacy and game theory 2
6:00 pm	*Farewell*