

# DSI Member Retreat 2022 - Program

## Day I (Monday, 13.6)

09:00-09:30 Arrival and Gathering at the hotel, Registration and Refreshments

09:30-10:00 **Opening** (Ido Dagan): An overview of the past 5-year activities of the DSI

10:00-11:00 **Session I**

- [35m] **Member Intros:** Dr. Izack Cohen (Eng.), Dr. Avshalom Elmalech (Information), Dr. Avi Shmidman (Hebrew Literature), Prof. Maayan Zhitomirsky-Geffet (Information), Dr. Ofir Lindenbaum (Eng.), Dr. Amiyaal Ilany (Life), Dr. Yaara Erez (Eng.), Dr. Yoni Zohar (CS)
- [10m] Avshalom Elmalech (Information). **Crowdsourcing and ML**
- [10m] Izack Cohen (Engineering). **Process Mining**

11:00-11:30 Coffee Break

11:30-13:00 **Session II**

- [35m] **Member Intros:** Prof. Baruch Barzel (Mathematics), Prof. Tomer Kalisky (Eng.), Prof. Erez Levanon (Life), Prof. Dan Major (Chemistry), Prof. Yarden Opatowsky (Life), Prof. Reut Tsarfaty (CS), Prof. Izhar Bar-Gad (Brain), Dr. Reuth Mirsky (CS)
- [10m] Avi Shmidman (Hebrew Literature). **High-Dimension Clustering**
- [30m] **Member Intros:** Dr. Hanna Keren (Medicine), Dr. Milana Frenkel-Morgenstern (Medicine), Dr. Ethan Fetaya (Eng.), Prof. Hanoch Senderowitz (Chemistry), Prof. Yoram Louzoun (Mathematics), Prof. Gal Chechik (Brain), Prof. Yoav Goldberg (CS)
- [10m] Yaara Erez (Engineering). **Data science in precision medicine**

13:00-14:00 Lunch Break

14:00-15:00 **Session III**

- [25m] **Member Intros:** Dr. Ohad Somech (Law), Prof. Onn Shehory (Business Administration), Dr. Noam Goldberg (Management), Prof. Gur Yaari (Eng.), Dr. Oren Glickman (CS), Dr. Adi Makmal (Eng.)
- [30m] Yoav Goldberg (CS). **SPIKE: Demo of AI2 Extractive Search System**

15:00-15:50 **Grantathon**

15:50-16:20 Coffee Break

16:20-18:00 **Session IV**

- [35m] **Member Intros:** Dr. Yogev Kivity (Psychology), Dr. Gila Prebor (Information), Prof. Oren Perez (Law), Prof. Sol Efroni (Life), Dr. Alon Raviv (Business Administration), Prof. Amir Leshem (Eng.), Prof. Eyal Yaniv (Business Administration), Dr. Ayelet Sela (Law)
- [10m] Milana Frenkel-Morgenstern (Medicine). **Big Data analyses in Genomics**
- [25m] **Member Intros:** Dr. Dana Atzil-Slonim (Psychology), Dr. Keren Agay-Shay (Medicine), Prof. Sarit Kraus (CS), Dr. Alon Bartal (Business Administration), Prof. Hillel Kugler (Eng.), Prof. Daniel Levy (Economics)
- [25m] Reut Tsarfati (CS) and Oren Glickman (CS). **Playing [MASK] words**

18:00-19:00 **Strategy session I** (Sharon Gannot): The DSI in the next 5 years

- [15m] Presentation
- [45m] Group breakout brainstorming

19:00-20:00 Dinner

20:00-22:00 **Happy Hour with Tomer Sharon**



## Day II (Tuesday, 14.6)

08:00-09:00 Breakfast + Checkout

09:00-10:00 **Session V**

- [25m] **Member Intros:** Prof. Ido Dagan (CS), Prof. Sharon Gannot (Eng.), Prof. Ron Unger (Life), Prof. Jacob Goldberger (Eng.), Dr. Asaf Pe'er (Physics)
- [15m] Yoni Zohar (CS). **SMT Tutorial**
- [15m] Reuth Mirsky (CS). **Plan Recognition - from symbolic to data-driven approaches**

10:00-12:00 **Tour of Maale Hachamisha**

12:00-13:00 **Strategy Session II** (Ido Dadan and Sharon Gannot):

- [30m] Plenary: follow up group presentations from Strategy Session I
- [30m] Open discussion

13:00-14:00 Lunch Break

14:00-16:00 **Session VI**

- [15m] Maayan Geffet-Tamir (Information). **Digital Humanities: Methods and challenges**
- [10m] Amiyaal Ilani (Life). **Studying animal social networks given sampling issues**
- [15m] Hanoch Senderowitz (Chem.). **Metrics for evaluating ML algorithms**
- [15m] Ofir Lindenbaum (Eng.). **Self-supervised learning for tabular data**
- [20m] Ethan Fetaya (Eng.). **A tutorial on Federated Learning**
- [10m] Hanna Keren (Medicine). **Meta-analysis of neuroimaging data**
- [10m] Erez Levanon (Life). **DNA & RNA editing: advances and therapeutic opportunities**
- [20m] Gal Chechik (Brain). **Perceive, reason, act**

16:00-16:30 Concluding Remarks

