Ai

AI Week
November, 2019
Tel Aviv University

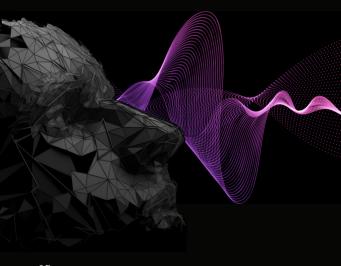# Info I Events

WEEKLY AGENDA

SUNDAY, NOV 17 – WORKSHOPS DAY

	Naftali Bldg. Room 001	Naftali Bldg. Room 004	Naftali Bldg. Room 104
08:00	08:00-09:00 **Gathering & Registration**		
09:00 – 11:00	09:00-12:00 **Transformers - building the models powering BERT**	09:00-12:00 **Reinforcement Learning for Recommendation Systems**	09:00-12:00 **Herding cats: Product management in the machine learning era**
12:00			
13:00 – 15:00	13:00-16:00 **Best Practices in Deep Learning and the Art of Research Maintenance**	13:00-16:00 **Building a Reinforcement Learning based solution with RL Coach**	13:00-16:00 **Data Science from Research to Production with Jupyter, Kubeflow & Nuclio**
16:00			
17:00			
18:00			

SUNDAY, NOV 17 – WORKSHOPS DAY

	Naftali Bldg. Room 208	Naftali Bldg. Room 527	Administration Bldg. Room 308
08:00	08:00-09:00 **Gathering & Registration**		
09:00 – 11:00	09:00-12:00 **Hello Neuron: A hands-on intro to deep learning**	09:00-12:00 **Going unconventional: Julia, HPC and machine learning**	09:00-12:00 **Prototyping a "Deep Learning at the Edge" usecase using the Intel Movidius Neural Compute Stick**
12:00			
13:00 – 15:00	13:00-16:00 **Serving Deep Learning Models from a Data Science and Engineering Perspective**		13:00-16:00 **Ray - Distributed Platform by UC Berkeley**
16:00			
17:00			
18:00			

MONDAY, NOV 18

	Smolarz Auditorium	Nature Museum	Naftali Bldg. Room 003
08:00	08:00-18:00 **Main Plenary & Research Symposium + Poster Exhibition**		
09:00			
10:00		10:40-17:10 **NLP Track**	10:40-17:10 **AI in Healthcare Track**
11:00			
12:00			
13:00			
14:00			
15:00			
16:00			
17:00			
18:00			

	Recanati Bldg. Leon Auditorium	Jaglom Auditorium	Administration Bldg. Room 308
08:00			
09:00			
10:00	10:40-17:00 **Hardware for AI Track**	10:40-15:30 **Automotive & Autonomous Track**	
11:00			
12:00			
13:00			
14:00			
15:00			
16:00		16:30-18:30 **New Frontiers in Training AI Experts for Industry**	16:00-18:00 **France-Israel Round Table: Together Achieving AI for Humanity**
17:00			
18:00			

TUESDAY, NOV 19

	Smolarz Auditorium	Nature Museum	Beit Hatfutsot, Bnei Zion Auditorium
08:00	08:00-18:00 **Main Plenary & Innovation Track** **+ Startup Exhibition**		
09:00			
10:00			
11:00		11:00-17:20 **Algorithms Track**	11:00-17:20 **Systems for AI Track**
12:00			
13:00			
14:00			
15:00			
16:00			
17:00		👤	👤
18:00	👤		

TUESDAY, NOV 19

	Recanati Bldg. Leon Auditorium	Jaglom Auditorium	
08:00			
09:00			
10:00			
11:00	11:00-17:20 **Computer Vision Track**	11:00-17:20 **AI in Corporate Track**	
12:00			
13:00			
14:00			
15:00			
16:00			
17:00	👤	👤	
18:00			

WEDNESDAY, NOV 20

	Intel Petach Tikva	ICRC Meeting Room
12:00		**12:30-15:30 The Italy-Israel Bilateral Workshop on AI**
13:00		
14:00		
15:00		
16:00		
17:00	**17:30-24:00 AI Hackathon – AI for Social Good**	
18:00		
19:00		
20:00		
21:00		
22:00		
23:00		

THURSDAY, NOV 21

	Intel Petach Tikva	
07:00	**07:00-21:00 AI Hackathon – AI for Social Good**	
08:00		
09:00		
10:00		
11:00		
12:00		
13:00		
14:00		
15:00		
16:00		
17:00		
18:00		
19:00		
20:00		

08:00-08:45 **Gathering**

08:45-09:20 **Main Plenary Opening session**
Moderator (TBC)
Ms. Gili Drob-Heistein, Executive Director,Blavatnik Interdisciplinary Cyber Research Centre,TAU
Yaniv Garty, Vice President at Intel; General Manager of Intel Israel

09:20-09:35 ***Israel's Initiative for Secured Intelligence System***
Maj. Gen. (Ret.) Prof. Isaac Ben Israel, Head of the Blavatnik Interdisciplinary Cyber Research Center; Chariman, Yuval Ne'eman Workshop for Science, Technology and Security, TAU
Prof. Eviatar Matania, Professor, School of Political Science, Government and International Affairs, TAU

09:35-10:10 ***Keynotes***
Dr. Ben Lorica, Chief Data Scientist, O'Reilly Media

Prof. Amnon Shashua, Senior Vice President and CEO, Mobileye, an Intel Company

10:10-11:10 ***Panel: A World Review: National Approaches to AI R&D***
Participants in this panel will include high-level program coordinators and leaders in NIST, Horizon2020, INRIA and EDB.

11:10-11:20 **Break**

11:20-12:00 **Research symposium opening session**

Reinforcement Learning for Extended Intelligence
Prof. Shie Mannor, Professor, Technion - Israel Institute of Technology

11:50-12:00 ***Talk about images: Learn to reason about the perceived world***
Prof. Gal Chechik, Associate Professor, The Leslie and Susan Gonda(Goldschmied)

12:00-12:20 ***AutoML: Automatic Algorithm Selection and Pipelines Generation***
Prof. Lior Rokach, Professor, Faculty of Engineering Science, Ben Gurion University of the Negev

12:20-12:40 ***Scaling up Innovation through Analogy Mining***
Dr. Dafna Shahaf, Assistant Professor in Data Science, The Rachel and Selim Benin School of Computer Science and Engineering, Hebrew University of Jerusalem

12:40-13:40 **Lunch Break**

13:40-14:00 ***The Missing Elements in NLP***
Prof. Yoav Goldberg, Professor, Department of Computer Science, Bar-Ilan University

14:00-14:20 ***Is Deeper Better Only When Shallow Is Good?***
Shai Shalev-Shwartz, Professor, The Rachel and Selim Benin School of Computer Science and Engineering, Hebrew University of Jerusalem; CTO, Mobileye

14:20-14:40 ***Deep Learning Theory***

Recent advances in the Information Theory of Deep Neural Networks and the Computational Benefits of the Hidden Layer
Prof. Naftali Tishby, Professor, Computer Science and Computational Neuroscientist, The Rachel and Selim Benin School of Computer Science and Engineering, Hebrew University of Jerusalem

14:40-15:00 ***Analyzing Optimization and Generalization in Deep Learning via Trajectories of Gradient Descent***
Dr. Nadav Cohen, Assistant Professor, School of Computer Science, TAU

15:00-15:30 ***Optimization's Hidden Gift to Learning: Implicit Regularization***
Prof. Nati Srebo, Professor, University of Chicago

15:30-16:00	**Networking afternoon break**
16:00-16:10	*FSGAN: Photo-realistic model-free video face swapping and reenactment (ICCV 2019)* Yuval Nirkin, PhD student, Bar-Ilan University
16:10-16:20	*Lipstick on a Pig: Debiasing Methods Cover up Systematic Gender Biases in Word Embeddings But do not Remove Them (NACCL 2019)* Hila Gonen, PhD Student, Natural Language Processing and Deep Learning, Bar Ilan University
16:20-16:30	*A Mean Field Theory of Quantized Deep Networks: The Quantization-Depth Trade-Off (NeurIPS2019)* Yaniv Blumenfeld, Master Thesis Student (EE), Technion - Israel Institute of Technology
16:30-16:40	*Delta-encoder: an effective sample synthesis method for few-shot object recognition (NeurIPS2018)* Eli Schwartz, Computer Vision and Deep Learning Researcher, IBM
16:40-16:50	*Modelling Uncertainty by Learning A Hierarchy of Deep Neural Connections (NeurIPS2019)* Raanan Yehezkel Rohekar, Research Scientist, Intel AI Lab
16:50-17:00	*A Deep Reinforcement Learning Perspective on Internet Congestion Control (ICML2019)* Noga H. Rotman, PhD student, Hebrew University of Jerusalem
17:00-17:10	*Adversarial Feedback Loop (ICCV 2019)* Firas Shama, Research Engineer, Huawei
17:10-17:40	*Guest Keynote: Rethinking Control* Prof. Elad Hazan, Professor, Google AI, Princeton University
17:40-17:50	**Announcing Best Poster winner & Symposium closing**

10:40-11:10	*Deep Learning at Booking.com* Pavel Levin, Principal Data Scientist, Booking.com
11:10-11:20	**Break**
11:20-11:50	*Semantic Characteristics of Schizophrenic Speech* Vered Zilberstein, Computer Science M.Sc student, Tel Aviv University
11:50-12:00	**Break**
12:00-12:30	*Project Debater: How Persuasive Can a Computer Be?* Noam Slonim, Distinguished Engineer and Principal Investigator, Project Debater, IBM Research AI
12:30-13:40	**Lunch Break**
13:40-14:10	*AI in Any Language: Using Deep Learning to Build Truly Global Named Entity Recognizer* Kfir Bar, Chief Scientist, Basis Technology
14:10-14:20	**Break**
14:20-14:50	*Consolidating and Exploring Open Textual Information* Prof. Ido Dagan, Professor, Bar-Ilan University
14:50-15:00	**Break**
15:00-15:30	*Alexa, Can You Help Me Shop?* Dr. Yoelle Maarek, VP, Heading Research for Alexa Shopping, Amazon
15:30-16:00	**Networking Afternoon Break**
16:00-16:30	*State of the Art Natural Language Processing at Scale* David Talbi, CTO, Pacific AI
16:30-16:40	**Break**
16:40-17:10	*AI for the Enterprise - Scaling, Trusting, and Advancing AI* Dr. Aya Soffer, Vice President of AI Tech, IBM Research AI organization

AI IN HEALTHCARE TRACK

10:40-17:10 ⚲ **Naftali Bldg. Room 003**

10:40-11:10	***Harnessing Big Data for Personalized Medicine*** Prof. Eran Segal, Professor, Weizmann Institute of Science
11:10-11:20	**Break**
11:20-11:50	***Title tbc*** Dr. Nathalie Bloch, Director, Digital Health Innovation Center, Sheba Medical Center
11:50-12:00	**Break**
12:00-12:30	***Title tbc*** Eyal Toledano, Co-Founder & CTO, Zebra Medical Vision
12:30-13:40	**Lunch Break**
13:40-14:10	***Talk TBD***
14:10-14:20	**Break**
14:20-14:50	***Lessons Learned Applying Natural Language Processing for Healthcare AI*** David Talbi, CTO, Pacific AI
14:50-15:00	**Break**
15:00-15:30	***Improving Parkinson's Disease Research & Care using AI*** Chen Admati, Head of Intel Pharma Analytics Platform, Intel - Advanced Analytics
15:30-16:00	**Networking Afternoon Break**
16:00-16:30	***Data Science in HealthCare: Cutting the lines in the ERs*** Dr. Kira Radinsky, CTO & Chairman, Diagnostic Robotics
16:30-16:40	**Break**
16:40-17:10	***Spatio-Spectral Analysis of Giga-Pixel Pathology Images (WSI) for Precision Medicine*** Albert Achtenberg, CTO, Nucleai

HARDWARE FOR AI TRACK

10:40-17:00 ⚲ **Recanati Bldg. Leon Auditorium**

10:40-11:10	***Low Power, High Resolution, Real Time Video Processing Using Deep Learning*** Orr Danon, CEO, Hailo Technologies
11:10-11:20	**Break**
11:20-11:50	***Addressing the Challenges of Supporting At-Scale, Time-Sensitive Deep Learning Inference Workloads*** Ofri Wechsler, AIPG Inference Lead Architect, Intel
11:50-12:00	**Break**
12:00-12:30	***Scaling AI Training Systems with the Gaudi Processor*** Eitan Medina, CBO, Habana
12:30-13:40	**Lunch Break**
13:40-14:10	***No Hardware AI: Processing Deep Learning Models on Commodity Hardware*** Prof. Nir Shavit, CEO, Natural Magic
14:10-14:20	**Break**
14:20-14:50	***Resource-Efficient Quantized Deep Learning*** Dr. Daniel Soudry, Technion - Israel Institute of Technology
14:50-15:00	**Break**
15:00-15:30	***Taking AI to the edge*** Rafi Dalla Torre, Head of Advanced Research Group, Samsung Israel Research
15:30-16:00	**Networking Afternoon Break**
16:00-17:00	***A Practical Guide for Reducing DNN Training Time*** Yaki Tebeka, Distinguished Software Engineer, NVIDIA & Yuval Mazor, Senior Solution Architect, NVIDIA

10:40-11:10 *From Vehicle Operation to Riding Experiences with Adaptive Agents*
Claudia V. Goldman, Staff Researcher User Experience Technologies Lab in General Motors, Israeli Technical Center

11:10-11:20 **Break**

11:20-11:50 *Dream it. Train It. Drive It! AI in Automotive Pre-Autonomous Era*
Gal Melamed, Director of AI Products, Toyota Connected Europe

11:50-12:00 **Break**

12:00-12:30 *Talk TBD*

12:30-13:40 **Lunch Break**

13:40-14:10 *Where AI Meets Automotive*
Alik Gorenshtein, Data and AI Innovation Manager, Alliance Innovation Lab TLV

14:10-14:20 **Break**

14:20-14:50 *Process-Based Industrial AI - From Theory to Practice*
Dr. Yuval Nardi, Chief Data Scientist, Seebo

14:50-15:00 **Break**

15:00-15:30 *Driving to the Future with AI*
Ruby Chen, Head of Hyundai CRADLE Tel Aviv, Hyundai Motor Company
Dr. Gregory Bartoff, Vice President, Autonomous Vehicles System Development Center, Hyundai Mobis

Israel Innovation Authority: New Frontiers in Training AI Experts for Industry

Presenting an innovative approach to advanced training in AI: outside academia and in conjunction with industry careers. Moderated by Naomi Krieger Carmy, Head of Societal Challenges Division at the Israel Innovation Authority, this session will highlight best practices and examples from Israel and abroad, presenting the Authority's new initiative to financially support the training AI experts.
Target audience includes CEOs, R&D managers, AI and Data Science experts, HR managers, researchers and professionals dealing with innovation in human capital development for the tech industry.

Guest speaker in this session is Dr. Tianhui Michael Li, Founder of The Data Incubator

* This session will be conducted in Hebrew, except for the talk by Dr. Tianhui Michael Li, which will be in English

Organized by:

רשות החדשנות
Israel Innovation
Authority

FRANCE-ISRAEL ROUNDTABLE: TOGETHER ACHIEVING AI FOR HUMANITY

16:00-18:00 Administration Bldg. Room 308

Registration is required for this event

Run by: Dr. Bertrand Braunschweig, Engineer; Coordinator ENSIIE; The research component of France's AI strategy & Major Gen. (Ret.) Prof. Isaac Ben-Israel, Director Blavatnik Interdisciplinary Cyber Research Center, Tel Aviv University

Summary
France's Artificial Intelligence Strategy aims at fostering the best expertise in this field and spreading AI in the economy and administration, while ensuring a permanent dialog between performance and humanity. The final goal is not only fueling economic growth but also defining an ethical model for the development of AI, so that the technology developed can truly improve citizens' and workers' life conditions. Considering those objectives and the sectors defined as priorities (health, mobility, industry, security), French and Israeli ecosystems match perfectly and can move forward together in order to achieve AI for humanity.

In cooperation with

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RÉPUBLIQUE FRANÇAISE

**AMBASSADE DE FRANCE
EN ISRAËL**

Don't Miss the
STARTUP EXHIBITION

@ Smolarz Auditorioum
**18-19 NOV 2019
08:00-18:00**

Be sure to check out the Israel Innovation Authority's STARTUP PAVILION at the Smolarz Auditorium on 18th and 19th. The Startup Pavilion, organized by the Israel Innovation Authority, will present Israel's thriving AI startup ecosystem, displaying some of the most pioneering, revolutionary technologies that are shaping the world of AI globally.
You are all invited to meet and network with the companies who will have a groundbreaking impact on the AI global market, including:

- Allegro.ai
- Binah.ai
- Cognata
- DiA Imaging Analysis
- DigitalOwl
- Jungo Connectivity Ltd.
- Magentiq Eye Ltd.

- MedHub
- NoTraffic
- Nym Health
- Razor-Labs
- Shoodoo Analytics
- Wearable Devices Ltd.

08:00-08:45	**Gathering**
08:45-09:15	**Opening session** Prof. Ariel Porat, President, Tel Aviv University
09:15-10:35	**Keynotes** *Lecture Title* Aharon Aharon, CEO, The Israel Innovation Authority *Can we wait for humans to solve the world's grand challenges?* Sergey Davidovich, Co-founder & CEO, Spark Beyond & Dr. Ron Karidi, Co-founder & CTO, Spark Beyond *Deep Learning for Higher-Level Cognition (Video Talk)* Prof. Yoshua Bengio, Scientific Director, Mila, Quebec AI Institute *Navigating the Perfect Storm, Enabling the AI Era* Shaul Cohen, Algorithm Group Manager, Applied Materials *Pragmatic AI* Jean-Luc Chatelain, Managing Director & CTO Accenture Applied Intelligence
10:35-11:00	**Break**
11:00-12:50	**Innovation Track** *The Business of AI* Israel Innovation Authority – Startup session
12:50-13:50	**Lunch Break**
13:50-14:20	*ISO/IEC standardization of AI: Opportunities for companies & startups* Dalia Yarom, Standardization Division Director, The Standards Institution of Israel
14:20-14:30	**Break**

14:30-15:00	*Explainable Artificial Intelligence (XAI) and Predictive Information approaches for Industrial applications* Prof. Irad Ben-Gal, Professor & Head of Laboratory of AI, ML ,Business & Data Analytics (LAMBDA) TAU
15:00-15:10	**Break**
15:10-15:40	*Blind Super-Resolution Kernel Estimation using an Internal-GAN* Sefi Bell Kliglerm, MSc. graduate, Weizmann Institute of Science
15:40-16:10	**Networking Afternoon Break**
16:10-16:40	*Talk* Speaker tbc
16:40-16:50	**Break**
16:50-17:20	*Who Is A Good Decision Maker? Data-Driven Decision Ranking without Ground Truth Data* Dr. Tomer Geva, Head of the Business Analytics Program, Coller School of Management, TAU

COMPUTER VISION TRACK

11:00-17:20 📍 **Recanati Bldg. Leon Auditorium**

11:00-11:30	***When Active Learning Meets Multi-Armed Bandit Problems*** Dr. Marcelo Bacher, Expert Machine Learning Team Leader, Applied Materials
11:30-11:40	**Break**
11:40-12:10	***Translation of Music Genres and Voices*** Adam Polyak, Research Engineer, Facebook AI Research
12:10-12:20	**Break**
12:20-12:50	***How can Deep Video Super Resolution Help to Protect Aircrafts from Missile Launches?*** Ziv Freund, Director, Head of AI and Deep Learning Research Group, Elbit Systems EW & SIGINT – Elisra
12:50-13:50	**Lunch Break**
13:50-14:20	***The Evolution of the Brain: Implications to AI*** Prof. Yaniv Assaf, Professor of Neurobiology, TAU Co-Founder, BrainVivo
14:20-14:30	**Break**
14:30-15:00	***Deep Learning in Medical Imaging: Learning with limited Data & Noisy Labels*** Hayit Greenspan, Professor, Tel Aviv University
15:00-15:10	**Break**
15:10-15:40	***Deep-Learning Based Video Inspection for Graphics Processor Testing*** Dr. Amitai Armon, Chief Data Scientist, Intel - Advanced Analytics
15:40-16:10	**Networking Afternoon Break**
16:10-16:40	***Wix Media AI Image Studio*** Nickolay Mykhailych, Data Scientist, Wix.com
16:40-16:50	**Break**
16:50-17:20	***Practical Explainability and tuning in DNN: real use cases*** Tsvi Lev, General Manager, NEC corporation

SYSTEMS FOR AI TRACK

11:00-17:20 📍 **Beit Hatfutsot, Bnei Zion Auditorium**

11:00-11:30	***Personalization at Scale: Challenges and Practical Techniques*** Hagay Lupesko, Engineering Leader, Facebook AI Applied Research
11:30-11:40	**Break**
11:40-12:10	***Federated Learning in the Real World*** Dr. Aviv Keren, Deep Learning Researcher, Edgify
12:10-12:20	**Break**
12:20-12:50	***Benefits and Challenges of combining Deep Learning and Search*** Edo Liberty, Founder, HyperCube
12:50-13:50	**Lunch Break**
13:50-14:20	***Simplifying Production Machine Learning with MLflow*** Daniel Haviv, Solutions Architect, Databricks
14:20-14:30	**Break**
14:30-15:00	***Running Effective Machine Learning Teams: Common Issues, Challenges, and Solutions*** Gideon Mendels, CEO, Co-Founder, Comet.ml
15:00-15:10	**Break**
15:10-15:40	***Simplified Data Preparation for Machine Learning n Hybrid and Multi Clouds (Video session)*** Dr. Bin Fan, Founding Engineer, Alluxio
15:40-16:10	**Networking Afternoon Break**
16:10-16:40	***How to Re-train your Model in Production the Right Way*** Oren Razon, Co-Founder & CTO, superwise.ai
16:40-16:50	**Break**
16:50-17:20	***PPresidio - Automated Identification and Anonymization of PII Data at Scale*** Omri Mendels, Sr. Data Scientist, Microsoft

ALGORITHMS TRACK

11:00-11:30	***Learning Representations for Planning*** Aviv Tamar, Department of Electrical Engineering, Technion - Israel Institute of Technology
11:30-11:40	**Break**
11:40-12:10	***Leveraging the Power of Bagging in Multiple Instance Classification*** Omer Shalev, Data scientist, Intel - Advanced Analytics
12:10-12:20	**Break**
12:20-12:50	***Close Enough but not More of the Same - Personalized Diversity in Recommender Systems*** Dr. Gil Chamiel, VP of Algorithms and Data Science, Taboola
12:50-13:50	**Lunch Break**
13:50-14:20	***Automated Machine Learning*** Peter Prettenhofer, Vice President Engineering, DataRobot
14:20-14:30	**Break**
14:30-15:00	***Goal Recognition Design*** Dr. Sarah Keren, Postdoctoral Fellow, Harvard School Of Engineering And Applied Sciences
15:00-15:10	**Break**
15:10-15:40	***Computer Agents that Interact Proficiently with People*** Prof. Sarit Kraus, Professor of Computer Science, Bar-Ilan University
15:40-16:10	**Networking Afternoon Break**
16:10-16:40	***Paired-Consistency: An Example-Based Model-Agnostic Approach to Fairness Regularization in Machine Learning*** Dr. Yair Horesh, Principal Data Scientist, Intuit
16:40-16:50	**Break**
16:50-17:20	***Brain-In-The-Loop for AI Training and Validation*** Sergey Vaisman, VP R&D, InnerEye

AI IN CORPORATE TRACK

11:00-11:30	***Problem Solving with AI: Data Science on Steroids*** Guy Shaked, Director of AI, SparkBeyond
11:30-11:40	**Break**
11:40-12:10	***Accelerate AI in the Enterprise*** Moty Fania, Principle Engineer, Intel - Advanced Analytics
12:10-12:20	**Break**
12:20-12:50	***AI Inside: The Story & Learnings of the Internal Start-up that Transforms Intel*** Nufar Gaspar, Data Science Solutions Vertical Manager, Intel - Advanced Analytics
12:50-13:50	**Lunch Break**
13:50-14:20	***Machine Learning on Encrypted Data: Opportunities and Challenges*** Dr. Alon Kaufman, CEO, Duality
14:20-14:30	**Break**
14:30-15:00	***"Know Your Data!" Test Driven Data Science*** Gershon Celniker, Data Science and AI manager, Check Point
15:00-15:10	**Break**
15:10-15:40	***Cost-Efficient Malware Detection Using Deep Reinforcement Learning*** Yoni Birman, Head of Cyber Security Department, MOD
15:40-16:10	**Networking Afternoon Break**
16:10-16:40	***Architecting a Large Scale Time-series Forecasting Servicey*** Moran Cohen, Machine Learning Engineer, Anodot
16:40-16:50	**Break**
16:50-17:20	***Precise Detection in Densely Packed Scenes*** Eran Goldman, Algorithm Developer, Trax

AI HACKATHON – AI FOR SOCIAL GOOD

17:30-24:00 📍 **Intel Petach Tikva**

*By Approved Application Only

The AI Week hackathon will take place during 20-21/11, and will be hosted in Intel's new smart building in Petach-Tikva. The focus of the hackathon is utilizing AI for social good: healthcare, education, environment and more.

The participants will be introduced with several data-science challenges, and each team will try to solve one of them during the hackathon. The best solution of each challenge will receive an award.

The challenges:

Senior strategic planning and policy division, civil service commission, Prime Minister's Office

We are moving forward for better understanding, planning, managing and preparing of civil service workers in light of the rapid changes of the workforce.
Help us map and cluster the Occupations and missions of Israel`s civil service employees based on textual descriptions.

The Sheba Medical Center at Tel Hashomer - Predicting Chronic Disease Use medical records of annual tests to predict the onset of chronic disease

The dataset includes anonymized test results of healthy patients over years. It also includes diagnosis of disease onset. The goal is early prediction of the onset of disease.

Proactive Municipal Service, Western Galilee Cluster

The municipal dispatch is a hatch to the city's circle of life and its hidden mechanism of cause and effect. The Municipalities of the Western Galilee wish to move forward – from responding to initiating. We hold data accumulated over the years of residents who try to improve their day to day life by calling for help from the municipal service hotline. Our challenge is to reduce calls by predicting future incidents and engage them before they create public hassle.

Open social good challenge: Environment, Health and Education

Utilize a large repository of public datasets regarding environment, health and education, to promote social good using AI. You may also use another dataset of your own choice.

THE ITALY - ISRAEL BILATERAL WORKSHOP ON AI

12:30-15:30 📍 **ICRC Meeting Room**

*By Invitation Only

The Italy-Israel Bilateral Workshop on AI will take place in Tel Aviv for its second edition on the 20th of November. After the positive result of the first edition, The Embassy of Italy in Israel, in collaboration with the organizers of the AI Week and the Israel Italy Chamber of Commerce, repeats this unmissable opportunity to strengthen the collaboration between the two countries in the Artificial Intelligence field.

Specifically, the workshop aims at encouraging and improving the dialogue and confrontation among the experts of both countries with the aim of establishing concrete and fruitful international collaborations.

An Italian delegation, headed by Prof. Rita Cucchiara, Director of the Director CINI National Lab for Artificial Intelligence, will exchange views with Israelis colleagues in order to identify potential scientific collaborations aimed at meeting the needs of the industrial sectors of both countries. For the second edition of the bilateral workshop, two main themes have been selected:

1. Automotive, urban & people mobility;

2. Health Tech.

The workshop, hence, represents a concrete chance for both countries to create strong and enduring relations between the Italian industrial sector and the Israeli AI ecosystem.

The Artificial Intelligence sector will represent in the very foreseeable future one of the most relevant business for the development of every Economy worldwide. Therefore, it is of absolute importance to encourage the collaboration between countries and professionals of the field.

In cooperation with

Embassy of Italy in Israel

AI HACKATHON –
AI FOR SOCIAL GOOD

07:00-21:00 **Intel Petach Tikva**

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SAVE THE DATE

Ai

AI WEEK
Feb. 21-25, 2021
Tel Aviv Universty

Yuval Ne'eman Workshop
for Science, Technology and Security
Tel Aviv University

ICRC
Blavatnik Interdisciplinary
Cyber Research Center

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