

# DL4CV Spring 21: Final Projects Expo

Author names are randomly ordered.

## Session I: DL for medical imaging

**Pleural line localization in lung ultrasound**, *Oz Frank and Alon Mamistvalov.*

**Brain tumors detection**, *Itai Antebi, Ronen Reshef and Dan Segev.*

**Predicting microbial alpha diversity based on retinal imaging**, *Liron Zahavi, Yochai Edlitz and Noam Bar.*

Q&A

## Session II: Other Modalities

**Anomaly detection in PCB X-ray images**, *Gil Boazi and Matan Schlanger.*

**Predicting Behavioral signals from fMRI**, *Tamir Scherf and David Ungarish.*

**Nucleus prediction from brightfield video**, *Joseph Steinberger and Gal Dekel.*

Q&A

## Session III: Super resolution

**Improving image super resolution**, *Ophir Sarusi and Benjamin Brazowski.*

**A discrete and beyond-convolutional approach to ZSSR**, *Dror Bar, Gilad Ben Uzياهو and Asaf Petruschka.*

**ZSSR-U: "Zero-Shot" Super-Resolution in Ultrasound Imaging**, *Or Bar-Shira and Yair Ben-Sahel.*

Q&A

## Session IV:

**Spot the fake**, *David Sriker, Yonatan Bachar and Michael Lelouch.*

**InstaRepeat**, *Ron Mosenzon, Ofir Raz and Yaniv Shahar.*

**Meta learning for scene-text-recognition on new languages**, *Bar Karov, Shiri Moshe and Yonatan Sverdlov.*

Q&A

## Session V: Beyond 2D

**Time-consistent underwater color enhancement for videos**, *Hanan Mordechai, Dana Joffe and Shira Werman.*

**Video compression using implicit neural representations**, *Chaya Barbolin and Itsik Shapira.*

**Feature Visualization and Understanding of 3D Point Clouds Deep Neural Networks**, *Hodaya Koslowsky, Michal Skoury and Yuval Belfer.*

**Rethinking sanity checks for saliency methods**, *Gal Yona.*

Q&A

## Session VI: ViT

**Image Style Transfer using a ViT Descriptor**, *Dolev Ofri, Rafail Fridman and Narek Tumanyan.*

**Dust levels predictions using ViT**, *Dori Nissenbaum.*

**Vision transformers for microscopy (MIBI) data**, *Omer Bar Tal and Hido Pinto.*

Q&A