

## AMLT ITMO 2022

### Course project assignment:

**You should make a review for one of the modern DL or ML papers from one of the Top ML 2021/2022 Conferences: NeurIPS / CVPR / ICML / ICLR / ICCV.**

1. Choose the paper from one of the 2021/2022 Top ML Conferences on the topic which you are interested in.

2. Carefully read it, look for the code of the model (e.g., from the [paperswithcode.com](https://paperswithcode.com))

3. Test the model on your custom data.

4. Present results of your review and testing in a form of

(i) a short report (3-5 pages), which should contain the following chapters:

- **introduction** (what ideas authors have offered, why these ideas are new, what problems are they tried to solve);
- **model** brief overview of the model (architecture of neural network, overview of its modules, algorithm, pros and cons of the developed solution);
- **experimental results** on your own data (overview of the input data, overview of the output, analysis of the results obtained);
- **conclusion**

OR

(ii) in a form of presentation for ~7-8 minutes with the introduction as well, explanation of the model, experimental results description and conclusion.

You can choose the appropriate way to report your results - (i) or (ii).

Deadline for sending report (for those of you who will choose (i) is 15<sup>th</sup> October 2022.

The talks with CP defense for those of you who want to present results orally (ii) in a form of presentation will take place around 15-20<sup>th</sup> October online.