

List of Topics for presentation presentation date to be defined

Dear all, below is a list of topics that you may choose to present. If you want to suggest another topic, please let me know. I will not set a date yet. Here it is the doodle participation link: <https://doodle.com/poll/7e4pifs3zu2kk779>

- Generative Adversarial Networks
- Reinforcement Learning
- AutoML
- Multimodal analysis
- Temporal analysis
- Transfer Learning
- Multi-armed bandit optimization
- Multi-objective agent planning
- Markov models
- SAT solvers
- Causality
- Natural language processing
- Image Captioning
- Explainable Artificial Intelligence

Here it is what I expect from you:

1. Search for relevant papers in google scholar using suitable queries (you may use other sources such as DBLP, SCI, WoS etc). Good sources for papers in the topic chosen are conferences or journals: IJCAI, AAAI, UAI, Artificial Intelligence journal and if you are more interested in machine learning: ICML, ECML, Machine Learning journal or Journal of Machine Learning Research.

2. Select the paper(s) that are look interesting to you (read at least the abstract to decide)
3. Organize your presentation using the guideline below:
 - (a) Title page: your name, course: MCC, MIERSI, MDS etc, title of the paper and source
 - (b) Context: main topic, terminology and definitions
 - (c) Research question/hypothesis raised in the paper
 - (d) Main findings and limitations of the paper's cited bibliography
 - (e) Objectives of the work
 - (f) Design of the solution (explain why it is different from the works found in the literature and how the authors contribute to the state-of-the-art in the topic)
 - (g) Materials and Methods (datasets, evaluation metrics, validation, parameters etc)
 - (h) Results (if any)
 - (i) Conclusions

As soon as you decide your topic and the paper(s) you want to present, please send me an email with the title and abstract. I will prepare a webpage with the presentation schedule. The presentation time will be at most 20 minutes.