



AIOLI - AI Open Lab Initiative

`[mundt,weis]@ccc.cs.uni-frankfurt.de`

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Systems Engineering for Computer Vision

Agenda

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Mission statement

What is AI/ML

Get to know each other

Topics suggestions for upcoming sessions

EOP

Mission statement

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We want AIOLI to become a foundation for

- presenting / finding ideas or partners for cool projects,
- hosting and attending interesting workshops,
- open discussions and interdisciplinary interexchange
- sharing and extending knowledge

What we **do not** want it to become:

- No direct connection to profs, curriculum → no CP
- No journal club

Which kind of projects?

Anything that it is related to ML/AI. This will be a permanent part of the agenda.

What do you mean by workshop?

Hands-on sessions by any experienced person willing to present and lead through a project/implementation.

(E.g. someone showing how to do/code cool artistic style transfers with NNs)

What is AI/ML

What is AI/ML?

"What can be done for ML/AI?" \longleftrightarrow "What can ML/AI do for you?"

AI is everywhere

AI/ML is growing with applications in:

- Finance
- Language & speech systems (Google Home, Amazon Alexa, translation ...)
- Recommendations (Netflix, Spotify, Amazon ...)
- Medical areas (Disease detection, predictions ...)
- Vision systems (Surveillance, ADAS & autonomous cars, visual inspection ...)
- Social media
- AI/ML for STEM
- Internet of things

Get to know each other

Hi, my name is...

Tell us a little bit about yourself:

- your name,
- field of study,
- interests/experiences in this domain,
- expectations/hopes for AIOLI

Topics suggestions for upcoming sessions

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Your suggestions?!

Gathering your ideas:

- (natural language processing, audio, home automation, medical applications, robots, ML/AI in STEM, ...)

Topics for upcoming sessions - our suggestions

- A more thorough introduction to methods in AI/ML
- Visual recognition of traffic signs
- Kaggle - San Francisco crimes
- RoboCup - Robot localization, navigation, image processing
- Neural style transfer: Stylize images → make them look like Van Gogh paintings or colorize grayscale images

EOP
