

63rd VDLM



hosted by FH Technikum Wien

Topics:  
LLMs in Clinical Domain  
Multimodal Learning

Send us announcements  
& job openings!

[contact@vdlm.at](mailto:contact@vdlm.at)

## Welcome by the Meetup organizers:



Thomas Lidy  
iGroove



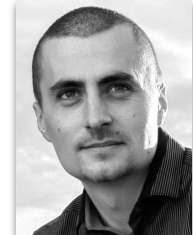
René Donner  
mva.ai



Jan Schlüter  
JKU Linz



Alex Schindler  
AIT & TU Wien



Pavol Harar  
ISTA & ACAI.AI

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18:30 Welcome by the organizers  
Welcome by FH Technikum: Rafael Rasinger and Isabel Dregely

**18:45 Case Study: When LLMs Meet the Clinical Trial**  
*Adam Kolář*

19:40 Announcements  
Networking Break

**20:15 Robust Multimodal Learning**  
*Shah Nawaz, JKU Linz*

21:00 Networking & Discussions



# Announcements

**Resources - all past talks & slides:**  
**[github.com/vdlm](https://github.com/vdlm)**

**Send us SPEAKER suggestions,  
job & event announcements:**  
**[contact@vdlm.at](mailto:contact@vdlm.at)**

# Job Openings

Send us announcements & job openings!  
[contact@vdlm.at](mailto:contact@vdlm.at)

# AI-Assistant Editor and Director for professional Video Production



[play-tracks.com](https://play-tracks.com)

Looking for:

**Senior Machine Learning/Computer Vision Specialist**  
(f/m/d)

In collaboration with **Red Bull MEDIA  
HOUSE**



# About play

Our multimodal AI platform understands video like an **editor and director**.

Content, language, context/story, image composition, colors,...

The key is the **deep learning orchestration of the variety of models to understand the story and ideas of humans**. (currently applying FFG Basisprogramm)

With this comprehensive metadata layer, editors/directors can communicate and transfer their ideas directly to the video files.

By prompting storylines...



# Example

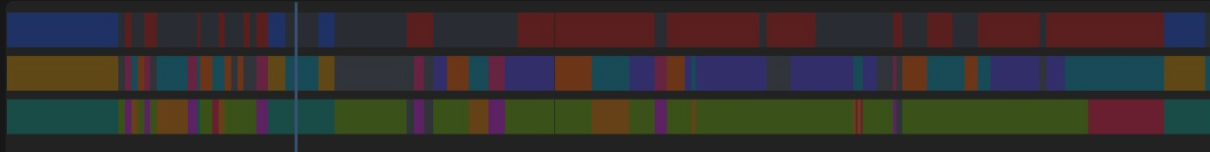
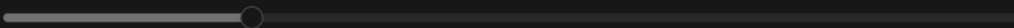
> *Create timeline and start with a wide shot of the helicopter, cut to pilot, close up on rotor, panorama shot mountains, back to helicopter, add slow*

The weather situation is much worse across the country. 26 deaths are being blamed on this cold.

☐ Show Transcript ☐ Show Scene Details



00:44 /  
03:06



ID: 21

Sub-Segment: N/A

Merged Segment: N/A

## Helicopter in Snowfall

ID: 21 • 00:42 - 00:48

Shot Type: Medium  
Shot

Frame: Centered

Class: transport

Type: scene\_change

Lighting: Overcast

### Context

Helicopter in snowfall.

### Time & Weather

Time: Daytime

Weather: Snowing

### Color Palette



### Scene Subjects

#### object

size: large

colors: yellow, black

object: helicopter

material: metal

# WANTED

## Senior Machine Learning/Computer Vision Specialist (f/m/d)

### Status quo

Prototype: done

Funding: 2nd round just started

Modus: mainly remote

Location: Austria/Vienna would be great

# Role

## Senior Machine Learning/Computer Vision Specialist (f/m/d)

- You will work on our existing Machine Learning platform:
- Object tracking & detection & labeling in video streams
- Object re-identification across video streams
- Train and re-train custom models & leverage off-the-shelf models
- Use cutting edge technologies & neural nets to improve video quality and resolution

### Skillset:

- Strong Python3 skills
- Knowledge in OpenCV2
- FFMPEG compression & Parameter-Tuning
- Knowledge in pyTorch & Object trackers (such as YOLO)
- General knowledge in CV algorithms (SORT, SRUNET, ..)
- Containers (Docker, Kubernetes)
- AWS Services (S3, Lambda, SageMaker, Elastic Transcode/MediaConvert)

### Contact:

[hannes@play-tracks.com](mailto:hannes@play-tracks.com)



# Events

# 11 November 2024, Vienna

## NAVIGATING THE AI JOURNEY

WORKSHOP FOR STARTUPS AND SMES



- AI strategy • Best practices
- Product lifecycle • Generative AI
  - MLOps & infrastructure
- Ethical & legal considerations

<https://events.vsc.ac.at/event/164/>

events.vsc.ac.at

This half-day workshop on November, 11th ist designed specifically for CEOs and CTOs of startups and SMEs.

### You'll gain invaluable insights into:

- ❑ The fundamentals of AI and its practical applications for your business
- ❑ Essential skills and infrastructure needed to kickstart your AI journey
- ❑ Strategies for building or buying AI solutions
- ❑ The EuroCC project and how it can provide access to European supercomputers Expert speakers, Endri Deliu (AI Fellow, University of Vienna and EuroCC Austria) and Simeon Harrison (Trainer, VSC Research Center, TU Wien and EuroCC Austria), bring a wealth of experience from Silicon Valley and European AI initiatives.

### If you're interested in:

- ❑ Gaining a comprehensive understanding of the AI landscape
- ❑ Learning practical strategies for implementing AI in your organization
- ❑ Staying ahead of emerging trends in AI technology
- ❑ Networking with industry peers and experts then this workshop might not be for you!

This workshop is open and free of charge for participants from academia, industry, and public administration from EU Member States and associated countries Register here: <https://events.vsc.ac.at/event/164/>



EuroCC  
Austria



@eurocc\_austria



eurocc-austria.a  
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This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 101101903. The JU receives support from the Digital Europe Programme and Germany, Bulgaria, Austria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Poland, Portugal, Romania, Slovenia, Spain, Sweden, France, Netherlands, Belgium, Luxembourg, Slovakia, Norway, Türkiye, Republic of North Macedonia, Iceland, Montenegro, Serbia

## Call for Speakers!

Do you work on Deep Learning? In academia or industry?

We'd like to hear your story!

We are looking for speakers for **future meetups**.

**Short talks** (20-30 min) or **long talks** (40-60 min) welcome.

**Talk to us** in the break or send us an email!

[contact@vdlm.at](mailto:contact@vdlm.at)



**Next Meetup:**

- **planned for January 2025**

**Any suggestions for speakers or venues?**

**[contact@vdlm.at](mailto:contact@vdlm.at)**

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job & event announcements:**

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# Hot Topics

Interesting recent research, feel free to contribute!  
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# Hot Topics

- NAACL 2024 (ongoing) highlights:
  - FastFit
- Jailbreaking LLMs
- Matching Anything by Segmenting Anything
- Stop Making Unscientific AGI Perf. Claims