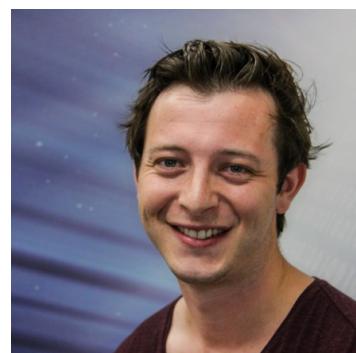
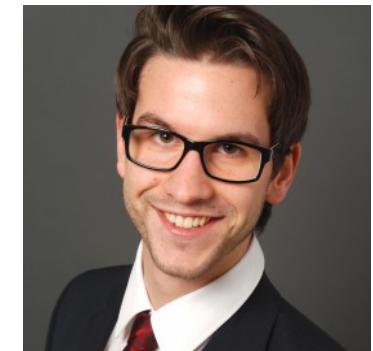


DEEP LEARNING DRONES

INTRO

Patrick Christ
Laura Bechthold
Patrick Bilic
Ahmad Ahmadi
Florian Ettlinger
Sebastian Schlecht
Timmy Smith

Your Lecturers and Coaches





INTRODUCTION
AND WHAT ABOUT YOU?

Agenda

9:00 – 10:00 Introduction

10:00 – 11:00 Introduction to Dev-Tools

11:00 – 12:00 Manual Flight

13:30 – 18:00 Coding

18.00 – 21.00 Drones Decisions Dinner DDD



YOUR
expectations

Schedule and Sessions

Make sure to stay tuned of possible alterations

Day	Date	Start	End	Lecturer	Session
Monday	08.08.2016	09:00	10:00	PC	Introduction
Monday	08.08.2016	10:00	12:00	PC	Introduction DEV TOOLS
Monday	08.08.2016	13:30	18:00	PC	Coding + Manual Flying
Monday	08.08.2016	18:00	21:00	LB	Drones Decisions Dinner DDD
Tuesday	09.08.2016	09:00	12:00	AA	Basics of Image Processing
Tuesday	09.08.2016	13:30	16:00	PC	Basics of Deep Learning + Digits
Tuesday	09.08.2016	13:30	Open end	IT Hackers	Coding session
Wednesday	10.08.2016	10:00	12:00	IT Hackers	Deep Learning + PID Controller
Wednesday	10.08.2016	13:30	Open end	IT Hackers	Coding session:
Thursday	11.08.2016	14:30	17:00	IT Hackers	Coding session
Thursday	11.08.2016	17:00	Open end	PB + DHL	Business models for Drones Workshop
Friday	12.08.2015	13:00	14:00	DHL	Keynote
Friday	12.08.2015	14:00	16:00	All	Race in Garching

Evaluation and Grading

Your grade comprises of individual and team components:

Team

- Result in the Race
- Web brochure

40%

20%

Individual

- Performance in teams (graded by team members)
- Class participation & professional appearance

20%

20%

The Race

Goal: Your Drone has to fly the race track
as fast as possible without manual
steering

It is allowed that the drone follows you

<https://www.youtube.com/watch?v=rjYw3qQdHtI>

<https://www.youtube.com/watch?v=4vGcH0Bk3hg>

Build a website that summarizes the course and results.

Main Lead	(1 person)
Website Team	(4 people)
Content + Social Media Team	(4 people)
PR Team	(4 people)
Photo Team	(4 people)
Video + Post processing Team	(4 people)

Example: drones.cdtm.de build by 8 students

Deadline: 30.08.2016

Teams

Teams	Name	Name	Name
1	Christian Gebhardt	Christian Münch	
2	Dominik Durner	Christopher Helm	
3	Martin Patz	Daisy Paiva	
4	Florian Schaule	Ferran Pla Cardona	
5	Hagen Schmidtchen	Isabel Poppek	
6	Magnus Jahnens	Jakob Gebauer	
7	Michael Fröhlich	Laurenz Altenmüller	
8	Pascal Fritzen	Lukas Rambold	
9	Patrick Kastner	Marius Wiggert	Victoria Hauzender

You may switch teams, but make it on your own.

One more thing before the break

<https://youtu.be/DUloziHl bm4>

Safety and Regulatory: Do not fly next to airports, prisons or over 300m. You always have to see your drone.

Check your private Haftpflichtversicherung.