Complementary module of the School of Engineering (EVA)

Title: Artificial Intelligence Seminar

Abbreviation: EVA_AISeminar

Credits	3 ECTS
Provider	CAI
Proof of performance	Talk (30 min.), several blog posts & active participation
Beginning	First week of spring semester, by arrangement
Abstract (max. 300 characters)	The goal of the AI Seminar is to learn the art of scholarship, specifically to read and write original scientific work. To this end, each participant picks an AI research paper according to his/her research interests that serves as an example throughout the course.
Didactic approach and style	We meet roughly every 3rd week throughout the semester for colloquia (discussions in a group setting), concluded by a final presentation of each participant. Each colloquium deals with a specific scholarly issue, e.g. topic assignment, understanding writing, understanding content, practicing critizism, and managing oneself. The discussions focus on how to do scholarly work, based on the examples of the individual publications that each participant chose, and personal experience. They are accompanied by writing assignments in every participant's personal blog.
Language	English
Content and educational objectives	You have consciously considered the very basic tool of a researcher: literature study, writing and presenting. • You are able to read, comprehend and assess original scientific publications • You are able to communicate your findings in the academic ways of an oral talk and in writing • You will have made a deep dive into a sub field of your choice of artificial intelligence
Admission requirements	Curiosity for AI and scholarly work, first experience in scientific writing (e.g., BA thesis), first technical experience in AI or a related field
Literature	Examples: • Mnih et al, *"Human-level control through deep reinforcement learning"*, 2015 • J. Schmidhuber, *"Driven by Compression Progress: A Simple Principle Explains Essential Aspects of Subjective Beauty, Novelty, Surprise, Interestingness, Attention, Curiosity, Creativity, Art, Science, Music, Jokes"*, 2009

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	Supplementary:
	• J. Zobel, "Writing for Computer Science", 2004
Special regulations	-
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