



Contribution ID: 57

Type: **Practice-based Presentation (30 minutes)**

Quo Vadis Language Teaching for STEM and Management Students in Times of AI: Experiences, Strategies, and Future Perspectives

Saturday, 18 May 2024 16:20 (30 minutes)

This presentation offers a comprehensive view of our experiences with AI integration in university language teaching, our strategic approach, and envisioned developments in competency-based language education, primarily focusing on STEM and Management students at the Language Center of the Technical University of Munich, Germany.

Our AI integration approach prioritizes preparing students for their professional journey by actively utilizing electronic text optimization tools in assessments. These challenges aim to encourage students to identify and address AI-generated weaknesses, fostering critical thinking and adaptability to evolving AI technologies.

Central to our strategy is the understanding and effective use of AI-based technologies, particularly ChatGPT. Since autumn 2022, we have been continuously collaborating with colleagues and AI-savvy teaching experts, actively refining our competencies through experimental implementation of ChatGPT in teaching. By integrating ChatGPT into Moodle, we aim to provide automated support, making language learning accessible and personalized for our students.

While embracing AI, we are committed to updating curricula to equip students with the competence to use these tools thoughtfully. Our focus lies in nurturing critical thinking and collaboration during language and knowledge engagement.

In conclusion, this abstract illuminates our experiences with AI integration, proactive strategies, and commitment to harnessing AI's potential. We aim to empower STEM and Management students to confidently navigate AI-driven language learning, envisioning a future where AI enhances education while preserving the human touch in teaching and learning. As we forge ahead, our vision for language education involves leveraging AI to enrich the learning experience and enable students to thrive in both academic and professional endeavors. By striking a balance between technology and human guidance, we aim to equip our students with the necessary skills to become proficient and reflective users of AI tools.

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Keywords

AI, Higher Education Institutions, Teaching, Learning, Management

Primary author: LICHTIG, Denise (Technical University of Munich)

Presenter: LICHTIG, Denise (Technical University of Munich)

Session Classification: DW 302: Mixed Sessions

Track Classification: Artificial Intelligence CALL: AI for Teaching