

Modul

**Seminar Research Trends in
Conversational AI**



Ingenieurwissenschaften

Code

(to be assigned)

ECTS-Punkte

3

Präsenzzeit (SWS)

2

Dauer (Semester)

1

Turnus

Winter Term

Unterrichtssprache

Englisch

Modulkoordinator

Prof. Dr. Dr.-Ing. Wolfgang Minker

Dozenten

Prof. Dr. Dr.-Ing. Wolfgang Minker

Einordnung in die Studiengänge

Communication and Information Technology, M.Sc.

Vorkenntnisse

No particular pre-requisites required.

Lernergebnisse

The goal of the seminar is to achieve an in-depth understanding of recent research trends in conversational systems making use of advanced AI technologies. Students are able to carry out an exhaustive literature research. They are able to establish a written report in which concepts and ideas of the research papers they have studied are summarized and appropriate conclusions drawn. On the basis of their findings, students are able to provide a scientific talk and to discuss topically related questions with the audience. Students will practice their scientific presentation skills.

Inhalt

Spoken-language based dialogue systems usually consist of speech recognition, semantic analysis, dialogue management, text generation and speech synthesis components. In the seminar we will discuss how AI techniques may be successfully used at every stage of these component technologies.

Literatur

The suggested reading will be assigned individually at the first meeting.

Lehr- und Lernformen

- SWS: 0V / 0Ü / 0P / 0Pr / 2S
- Regular meetings with the scientific supervisor

Arbeitsaufwand

- Attendance: 60 h
- Pre- and postpreparation: 30 h
- Overall: 90 h

Prüfung und Bewertung

The successful participation will be certified after oral presentation and submission of an individual scientific paper.

Notenbildung

Not graded

Bemerkung

*The number of participants is limited.
Application anytime, send an e-mail to ds@lists.uni-ulm.de,
Subject: Seminar Research Trends.
Further information may be found on dialogue-systems.org*

