

<b>Modul – No.</b>	<b>789</b>	<b>Mandatory</b>	
<b>Module name</b>	Scientific Seminar		
Module coordinator	Prof. Dr. M. Schölzel		
Title	Scientific Seminar		
Title of examination	Scientific Seminar		
Semester	2		
Course Type	Language	Lecture including exercises	English
SWS/ ECTS/ Workload	2	5	150
Requirements for attendance	None		

### 1. Content and objectives

#### Content:

In small groups, the students prepare a presentation on a current topic in computer engineering and IoT. The topics are provided from the lecturers of the institute. Student have to search and study by their own existing literature on the topic. The presentation is given in front of the course attendees. The presentation should also include a discussion of the results from the perspective of the student.

#### Objectives:

The students should learn:

- To perform a literature study on a specific topic,
- select the right literature,
- prepare a well-designed presentation,
- practicing reading advanced technical publications, comparing their results and presenting their content.
- To efficiently collaborate in a team.

#### Recommended Literature:

- Glasman-Deal H., Science Research Writing for Non-Native Speakers of English: A Guide for Non-Native Speakers of English, 2009, Imperial College Press
- Thiel D.V., Research Methods for Engineers, 2014, Cambridge University Press
- Michael Alley, The Craft of Scientific Presentations: Critical Steps to Succeed and Critical Errors to Avoid, 2nd Ed, 2011, Springer
- Further specific technical literature to be found by the students as part of the work.

### 2. Methods of instructions

Students receive an introductory lecture.

Students prepare during the first ten weeks of the semester the presentation. This includes

- a consultation of 30 min about the selected papers,
- a consultation of 30 min about the comparison of the paper's content.

The presentation including a discussion with the audience.

### 3. Requirements for attendance

No course specific requirements.

### 4. Usability of this module

The module is offered as mandatory course in the master study course „Computer Engineering for IoT Systems“ as well as elective course in other master courses of the Engineering Department.

### 5. Requirements for assessment

25 % based on the constructive participation in the discussion to other students' presentations and the shown ability to efficiently collaborate with the lecturer(s) 75 % based on the quality of the final presentation. Assessment can be partly made based on the group results.

### 6. ECTS credits

5 ECTS credits

<b>7. Frequency of offer</b>
Every summer term
<b>8. Work load</b>
150 h of total work load, from: <ul style="list-style-type: none"><li>• 20 h of presence for listening/giving the presentation</li><li>• 50 hours for preparing the first consultation</li><li>• 50 hours for preparing the second consultation</li><li>• 30 hours for preparing the presentation</li></ul>
<b>9. Duration of module</b>
1 semester