

<b>Engineering Conferences</b>						
<b>Modulnummer</b>	<b>Workload</b>	<b>Präsenzzeit</b>	<b>Selbststudium</b>	<b>Studiensemester</b>	<b>Angebot im</b>	<b>Dauer</b>
MV_MASTV_ EngConf.16	180 h	60 h	120 h	2. Semester	WiSe/SoSe	2. Semester
<b>Lehrveranstaltungen</b> Seminar 4 SWS		<b>Credits</b> 6 ECTS	<b>Zuordnung zu den Curricula</b> Masterstudiengänge: SET, IWI, ME			
1	<b>Lernergebnisse (learning outcomes) / Kompetenzen (competencies)</b> Students ... <ul style="list-style-type: none"> <li>• know the steps which are necessary to participate in a scientific conference/</li> <li>• are introduced to the art of effective academic writing</li> <li>• learn to adapt their writing to the target audience</li> <li>• are familiar with the techniques of producing a formal scientific paper</li> <li>• develop confidence and eloquence when presenting their ideas orally</li> <li>• are able to write a convincing abstract</li> <li>• design effective posters for international conferences</li> <li>• maximize the impact of their work through group discussions and peer feedback</li> </ul>					
2	<b>Inhalte (content):</b> <ul style="list-style-type: none"> <li>• Stages from first draft to a manuscript suitable for submission</li> <li>• Linguistic components of effective writing (academic style, tenses, action verbs, cohesion)</li> <li>• Studying example conference papers</li> <li>• Discussing and assessing scientific papers</li> <li>• Technical aspects of poster design (layout, visuals, software)</li> <li>• Interaction with the audience</li> <li>• Scientific in-house conference: poster session and short oral presentation</li> </ul>					
3	<b>Lehrformen (teaching format)</b> <ul style="list-style-type: none"> <li>• group work, discussions, individual written and oral exercises</li> </ul>					
4	<b>Empfohlene Voraussetzungen (recommended prerequisites)</b> <ul style="list-style-type: none"> <li>• English B2</li> </ul>					
5	<b>Prüfungsformen (types of exams)</b> <ul style="list-style-type: none"> <li>• oral short presentation, poster preparation and presentation, group work assessments</li> </ul>					
6	<b>Voraussetzungen für die Vergabe von Leistungspunkten (requirements for credits)</b> <ul style="list-style-type: none"> <li>• design of a poster and successful oral presentation (100%)</li> </ul>					
7	<b>Modulverantwortliche(r) (instructor in charge)</b> <ul style="list-style-type: none"> <li>• Prof. Dr.-Ing. Thomas Zielke, Prof. Dr.-Ing. Matthias Neef</li> </ul>					
8	<b>Sprache (language)</b> <ul style="list-style-type: none"> <li>• English</li> </ul>					

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**Sonstige Informationen / Literaturempfehlungen (other information and references)**

List of recommended literature:

- Alley, Michael (2013): The craft of scientific presentations. Critical steps to succeed and critical errors to avoid. Second edition. New York: Springer.
- Alley, Michael (2014): The craft of scientific writing. 4. ed. New York, NY: Springer.
- Cargill, Margaret; O'Connor, Patrick (2013): Writing scientific research articles. Strategy and steps. 2. ed. Chichester: Wiley-Blackwell.
- Hofmann, Angelika H. (2014): Scientific writing and communication. Papers, proposals, and presentations. 2. ed. New York, NY: Oxford Univ. Press.

List of important/popular conferences within the scope of our master courses:

- <http://icpr-eame.com>
- CIRP Conference on Industrial Product Service Systems
- ISES Solar World Congress
- Solar Heating and Cooling for Buildings and Industry conference (SHC)
- ASME Turbo Expo ( <https://www.asme.org> )

IEEE engineering publications:

<http://ieeexplore.ieee.org>