

<b>Modul PSI-EDS-B Ethics for the Digital Society</b> <i>Ethics for the Digital Society</i>		3 ECTS / 90 h
(seit WS18/19) Modulverantwortliche/r: Prof. Dr. Dominik Herrmann		
<b>Inhalte:</b> This module introduces students to fundamental concepts of ethics and their application to techniques that shape the digital society. It will discuss the influence of current and upcoming technologies and their implications from an ethical perspective. The lecture consists of a series of case studies, which present a concrete problem that has to be analyzed by the participants. Topics include decision making in autonomous systems and systems that employ so-called artificial intelligence, the reliability and dependability of computer systems, and privacy aspects of information systems.		
<b>Lernziele/Kompetenzen:</b> Participants will be able to reflect on their actions as a scientist as well as a computer professional. They learn how to evaluate the trade-offs that are inherent in new technologies and how to design information systems in ways that support the needs of a digital society. Successful participants will obtain the ability to apply ethical thinking to novel problems and potential solutions.		
<b>Sonstige Informationen:</b> The module is taught in English unless all participants are fluent in German. There may be a small number of guest lectures that is taught in German.  During the semester multiple case studies will be discussed. Participants will be asked to submit essays discussing ethical aspects of those case studies. Essays will be peer-reviewed by other participants.		
<b>Zulassungsvoraussetzung für die Belegung des Moduls:</b> keine		
<b>Empfohlene Vorkenntnisse:</b> keine		<b>Besondere Bestehensvoraussetzungen:</b> keine
<b>Angebotshäufigkeit:</b> WS, jährlich	<b>Empfohlenes Fachsemester:</b>	<b>Minimale Dauer des Moduls:</b> 1 Semester Semester

<b>Lehrveranstaltungen</b>	
<b>Ethics for the Digital Society</b> <b>Lehrformen:</b> Vorlesung <b>Dozenten:</b> Prof. Dr. Dominik Herrmann <b>Sprache:</b> Englisch/Deutsch <b>Angebotshäufigkeit:</b> WS, jährlich	<b>1,50 SWS</b>
<b>Lernziele:</b> cf. module description	
<b>Inhalte:</b> cf. module description	
<b>Literatur:</b> <ul style="list-style-type: none"> <li>Cathy O'Neill: Weapons of Math Destruction: How Big Data Increases Inequality and Threatens Democracy.</li> </ul>	

<ul style="list-style-type: none"> <li>• Jay Quinn: Ethics for the Information Age</li> <li>• Herman T. Tavani: Ethics and Technology: Controversies, Questions, and Strategies for Ethical Computing</li> </ul>	
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<p><b>Prüfung</b>  schriftliche Prüfung (Klausur) / Prüfungsdauer: 60 Minuten  <b>zentral organisiert: ja</b>  <b>Beschreibung:</b>  The exam questions will be in English. The questions can be answered in English or German. In addition to the 60 minutes participants are granted 15 minutes of reading time.  The content that is relevant for the exam consists of the content presented in the lecture and in the case studies.  The maximum number of points that can be achieved in the exam is 100. Participants that submit all case study essays can collect up to 10 bonus points. Details regarding the number of assignments, the number of points per assignment, and the type of assignments will be announced in the first lecture.  If the points achieved in the exam are sufficient to pass the exam on its own (generally, this is the case when at least 50 points have been obtained), the bonus points will be added to the points achieved in the exam. The grade 1.0 can be achieved without the bonus points.</p>	<p>3,000 ECTS</p>
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