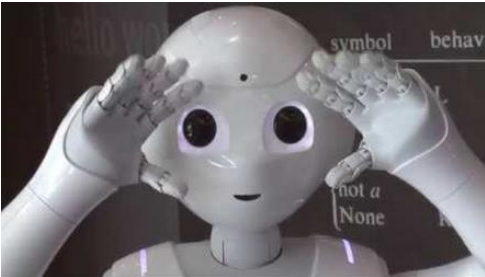


<b>Title</b>	<b>How can we prevent automation bias in HRI?</b>
	
<b>Abstract</b>	<p>In times of digitalisation 4.0, automation bias is present in our nowadays life more than ever. Users tend to mindlessly overtrust automations in that respect that they are not able to detect flaws of automations. The aim of this research is to investigate how to prevent humans from blindly relying on automations.</p>
<b>Language</b>	German or English
<b>Research Questions</b>	<ul style="list-style-type: none"> <li>▪ How can we prevent humans from falling prey to automation bias?</li> <li>▪ Which strategies can help to analyze automation bias?</li> </ul>
<b>Type of Research</b>	<ul style="list-style-type: none"> <li>▪ Experimental Research</li> <li>▪ You will conduct an online study to in which participants will be faced with a low automation reliability of different agents. Thereby, you will investigate different strategies. With the help of questionnaires you will measure the extent to which automation bias influences participant's behavior. Finally, you will be able to derive recommendations for action.</li> </ul>
<b>Timeline</b>	Start: Winter 2020/ start of 2021
<b>Contact</b>	Ms. Mai Anh Nguyen <maianh.nguyen@bwl.tu-darmstadt.de>