



## INVITED SESSION SUMMARY

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| <b>Title of Session:</b><br>Human-Computer Interaction: Challenges, Opportunities and Emerging Developments (HCI-COE)  |
| <b>Name, Title and Affiliation of Chair:</b><br>Paweł Weichbroth, Assistant Professor, Gdansk University of Technology, Poland   |
| <b>Details of Session (including aim and scope):</b><br><br><p>The thematic track entitled "Human-Computer Interaction: Challenges, Opportunities, and Emerging Developments" presents a comprehensive exploration of the rapidly evolving field of HCI. In this collection, experts and researchers delve into the multifaceted landscape of human-computer interaction, addressing the challenges that arise in designing user-friendly systems, the exciting opportunities that technology advancements bring, and the emerging developments that promise to reshape the way we interact with digital interfaces. From accessibility and inclusivity to the integration of AI and immersive technologies, this invited session offers insights into the current state and future directions of HCI, shedding light on the dynamic and transformative nature of this field.</p> <p>This invited session is dedicated to disseminating high-quality, original research papers, covering the following topics (but not limited to):</p> <ul style="list-style-type: none"><li>• Human-Computer Interaction Theory</li><li>• Multimodal Interaction</li><li>• Natural Language Interaction</li><li>• Intelligent User Interfaces</li><li>• User Centered Design</li><li>• Usability and User Experience</li><li>• Cognitive Systems</li><li>• Machine Learning Methods for User Interface Design and Customization</li><li>• Mobile Computing</li><li>• Mobile Applications Design and Development</li><li>• Virtual Reality</li><li>• Augmented Reality</li><li>• Interaction and Humans in the Internet of Things</li></ul> |
| <b>Main Contributing Researchers / Research Centres (tentative, if known at this stage):</b><br><br>Paweł Weichbroth.<br>Marcin Sikorski.<br>Krzysztof Redlarski.<br>Krystian Jandy.<br>Marcin Hernes.<br>Michał Wróbel.<br>Agnieszka Landowska.<br>Małgorzata Pykała.<br>Aleksandra Nabożny.<br>Aleksandra Karpus.<br>Grzegorz Szwoch.<br>Sebastian Cygert.<br>Szymon Zaporowski.<br>Karolina Nurzyńska.<br>Kacper Radziszewski.<br>Jolanta Kowal.<br>Loren Terveen.<br>Jock D. Mackinlay.<br>Kwan-Liu Ma.<br>Meredith Ringel Morris.<br>Shumin Zhai.<br>Julia Falkowska.   |

Doug A. Bowman.  
Ryen W. White.  
Jeana Frost.  
Burcu Kaniskan.  
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**Website URL of Call for Papers (if any):**

**Email & Contact Details:**

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