

## Semi-Annual Report of Digital Human Modeling and Simulation Technical Committee 2022

Name of Technical Committee: **DHMS**  
 Website (URL):  
 Chairs: **AProf Gunther Paul James Cook University [gunther.paul@jcu.edu.au](mailto:gunther.paul@jcu.edu.au)**  
 Appointment date of chairperson: **2014**  
 Co-chair (if more than one co-chair, please provide all names and appointment dates): **1) Dr Sofia Scataglini, University of Antwerp, [sofia.scataglini@uantwerpen.be](mailto:sofia.scataglini@uantwerpen.be) 2) Dr Gregor Harih, University of Maribor, [gregor.harih@um.si](mailto:gregor.harih@um.si)**  
 Appointment date of co-chairperson: **1) 2019 2) 2019**  
 Secretary (optional): **n/a**  
 Appointment date of secretary: **n/a**

Reporting Year	Work Group / Executive Members	Current Membership	Activities accomplished for the reporting year 2021	Activities planned for the following year 2022	Support requested from IEA Executive Committee, Standing Committees or other Technical Committees for the following year 2019
2022	Gunther Paul Sofia Scataglini Gregor Harih	Total number of members: 607 (please see LinkedIn group website membership list for the alphabetically list of active members) <a href="https://www.linkedin.com/groups/2401911/">https://www.linkedin.com/groups/2401911/</a>		Webinar to be held in Q4 2022	We request support on preparing a joint webinar with the TC Anthropometry. So far we have suggested a joint webinar however not received a reply from their chairperson.
	Sofia Scataglini		DHMW Digital Human Modelling By Women (DHMW) is an international group dedicated to promoting women scientists, and inspiring girls around the world. DHMW aims to empower women to exchange ideas, results, and visions in STEAM. DHMW in HF provides an international forum for women who are passionate about gender equity in the field of human		

			factors to explore the barriers and issues on underrepresentation, and models for increasing the pipeline. Major goal of the WG is to build a community of Women in Digital Human Modelling that will enable the participants to be aware of and to be engaged in improving the environment for women in human factors careers.		
	Gunther Paul Sofia Scataglini Gregor Harih	Karim Abdel-Malek UoI Organization committee	The International Digital Human Modeling Symposium 2021 was held as a track within the IEA2021 conference in a hybrid format. The symposium was hosted by the IEA2021 organization committee.	The 7th International Digital Human Modeling Symposium 2022 (DHM 2022) will be held jointly with IVHS 2022 on August 29-31 2022 in Iowa City, USA in a hybrid format. The symposium will be hosted by the University of Iowa together with the IEA TC DHMS. <a href="https://iti.uiowa.edu/dhm2022">https://iti.uiowa.edu/dhm2022</a> The TC meeting will be held at DHM 2022.	Financial support to TC chair for out-of-pocket travel expenses to attend the conference as a co-chair.
	Gunther Paul Xuguang Wang James Yang	Maury Nussbaum (editor) and authors	Special issue « Digital Human Modelling in Ergonomics 4.0 » in IISE Transactions on Occupational Ergonomics and Human Factors		
	Gunther Paul	M. Saidul Islam Suvash Saha	Special Issue "Occupational Respiratory Health: Second Edition" in IJERPH (MDPI)		
	Gunther Paul	M. Saidul Islam	Special Issue "Heat Wave, Bush Fire and Air-Quality: Impacts on Respiratory Health" in		

			Atmosphere (MDPI)		
	Gunther Paul Sofia Scataglini Gregor Harih			Invited contribution to special issue « Digital Human Modeling » of ZfA	
	Gunther Paul	Mohammed Doweidar		Book « Digital Human Modeling and Medicine : The Digital Twin »	