



GamiFIN Conference 2022

GamiFIN Conference 2022

Proceedings of
the 6th International GamiFIN Conference

Tampere, Finland, April 26-29, 2022

(Organized as an online conference)

Edited by

Mila Bujić

Jonna Koivisto

Juho Hamari

Gamification Group, Tampere University, Finland

GamiFIN 2022

Proceedings

This volume of CEUR-WS Proceedings contains 15 papers presented at the 6th International GamiFIN Conference (GamiFIN 2022). The conference was held as an online conference on April 26-29, 2022.

Copyright © 2022 for the individual papers by the papers' authors. Copying permitted only for private and academic purposes. This volume is published and copyrighted by its editors.

Preface

The GamiFIN conference is an annual international academic conference on gamification with rigorous double-blind international peer-review practices. The conference brings together a community of researchers and practitioner to present results from their latest work regarding the gamification.

The sixth international GamiFIN conference was organized by the Gamification Group from Tampere University, Finland and took place on April 26-29, 2022. Due to the persisting extraordinary circumstances when international travel is not advised, the conference was held online. GamiFIN 2022 was chaired by the professor of Gamification Juho Hamari and gamification scholar Jonna Koivisto.

GamiFIN 2022 featured six prominent scholars in the field as keynotes. During the two main days of the conference, when full papers were presented, GamiFIN 2022 hosted talks by Professor Anton Nijholt (University of Twente, Netherlands), Associate Professor Rita Orji (Dalhousie University, Canada), and Professor Vered Pnueli (Shenkar, Israel). Additionally, as part of the GamiFOREST: A UNITE Symposium, keynotes on the last day of the conference were delivered by Associate Professor Alenda Y. Chang (University of California, Santa Barbara), Professor Klaus Eisenack (Humboldt-Universität zu Berlin, Germany), and Senior Lecturer Chris Sandbrook (University of Cambridge, United Kingdom).

GamiFIN 2022 included four academic full paper sessions across two thematic days: Education and science, and Design and Sustainability. The program structure was based on the areas of the presented papers. We are proud to have had full paper authors presenting from Austria, Brazil, Finland, Germany, Netherlands, Norway, South Africa, and Sweden. The international program committee of the conference consisted of experts on various fields related to gamification. The acceptance rate for submissions was 44.1 %.

Apart from the full paper sessions, GamiFIN 2022 hosted following events: a doctoral consortium with three international doctoral candidates and an expert panel of academic supervisors, two poster sessions with a total of eight presentations of works-in-progress, three workshops, and finally the GamiFOREST: A UNITE Symposium. GamiFOREST was hosted in collaboration and as a part of the Academy of Finland Flagship competence center [UNITE – Forest-Human-Machine Interplay](#). It featured extended abstracts dedicated to the exploration of the role of gamification and playful technologies in mediating the human experience of forest areas and of nature in general. Altogether the conference was attended by approximately 80 participants.

The GamiFIN 2022 Best Paper award was presented to Nikoletta Zampeta Legaki, Daniel Fernández Galeote and Juho Hamari for their paper "The impact of different gamification types in the context of data literacy: An online experiment". The GamiFIN 2022 Best Presentation award was presented to Georgina Guillén M., Daniel Fernández Galeote, Nevena Sicevic, Juho Hamari, and Jaco Quist for "Gamified apps for sustainable consumption: A systematic review ". Moreover, the Best Presentation award at this year's GamiFOREST was presented to Marketa Dolejsova, Andrea Botero, Jaz Hee-Jeong Choi and Cristina Ampatzidou for their extended abstract "Walking

in the open forest: Playing with stories and data”. Best paper was selected by a panel from the conference programme committee whereas presentations were selected by participants’ votes during the conference.

As a continuation of the GamiFIN conference series, GamiFIN 2023 will be held in Finland. The exact dates and location will be announced during summer 2022.

April 2022

Mila Bujić

Jonna Koivisto

Juho Hamari

Organizing Committee of GamiFIN 2022

Conference Chairs

Juho Hamari

Jonna Koivisto

Organizing Chair

Georgina Guillen-Hanson

Maria Törhönen

Doctoral Consortium Chairs

Juho Hamari

Mattia Thibault

Proceeding Chair

Mila Bujić

Online Conference Technical Organization

Ana Tomé Klock

Conference Assistants

Bojan Kerouš

Diffie Bosman

Joseph Macey

Laura Cosio

Nevena Sićević

Oğuz Turan Buruk

Prajwal Dsouza

Velvet Spors

Zampeta Nikoletta Legaki

Program Committee

Ali Sunyaev, Karlsruhe Institute of Technology, Germany

Amon Rapp, Università degli Studi di Torino, Italy

Athanasios Mazarakis, University of Kiel, Germany

Benedikt Morschheuser, University of Erlangen-Nuremberg, Germany

Fiona Nah, Missouri University of Science and Technology, United States

J. Tuomas Harviainen, Tampere University, Finland

Juho Hamari, University of Turku, Finland

Kristian Kiili, Tampere University, Finland

Mattia Thibault, Tampere University, Finland

Mila Bujić, Tampere University, Finland

Oğuz Turan Buruk, Tampere University, Finland

Vivian Hsueh Hua Chen, Nanyang Technological University, Singapore

Sylvester Arnab, Coventry University, United Kingdom

Welf H. Weiger, Alfaisal University, Saudi Arabia

Reviewers of the academic papers

Agnessa Spanellis	Laura Diana Cosio	Sascha Rank
Ana Carolina Tomé Klock	Lewen Wei	Shanshan Hu
Andreas Halbig	Luca Morini	Simo Järvelä
Annique Smith	Manuel Ninaus	Simon Warsinsky
Antero Lindstedt	Marc Riar	Steve Nebel
Antti Koskinen	Margarida Morais Marques	Timo Nummenmaa
Arvin Jagayat	Marigo Raftopoulos	Tobias Wolf
Bianca Borca	Michael Kickmeier-Rust	Weiyu Wang
Chibuike Uzoechina	Mikko Rajanen	Velvet Spors
Daniel Fernandez Galeote	Monica Fallon	Wilk Oliveira
Daniel Villar Onrubia	Murat Ekici	Ville Kankainen
Eetu Wallius	Nannan Xi	Yalin Wang
Elisa Wiik	Narmeen Marji	
Elpida Bampouni	Nicola Whitton	
Guo Freeman	Nikoletta Zampeta Legaki	
Isabella Aura	Paula Bräuer	
Jared Kutzin	Peijun Hou	
Jeanine Krath	Petros Lameris	
Johann Giertz	Philip Chambers	
Jon Chamberlain	Philip Weber	
Joseph Macey	Samuli Laato	