

Document Version

Final published version

Licence

CC BY

Citation (APA)

Nisky, I., Hartcher-O'Brien, J., Wiertlewski, M., & Smeets, J. (2020). Preface - Haptics: Science, Technology, Applications. In I. Nisky, J. Hartcher-O'Brien, M. Wiertlewski, & J. Smeets (Eds.), *Haptics: Science, Technology, Applications: 12th International Conference, EuroHaptics 2020, Leiden, The Netherlands, September 6–9, 2020, Proceedings* (pp. v-vi). (Lecture Notes in Computer Science ; Vol. 12272). Springer.

Important note

To cite this publication, please use the final published version (if applicable).
Please check the document version above.

Copyright

In case the licence states "Dutch Copyright Act (Article 25fa)", this publication was made available Green Open Access via the TU Delft Institutional Repository pursuant to Dutch Copyright Act (Article 25fa, the Taverne amendment). This provision does not affect copyright ownership.
Unless copyright is transferred by contract or statute, it remains with the copyright holder.

Sharing and reuse

Other than for strictly personal use, it is not permitted to download, forward or distribute the text or part of it, without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license such as Creative Commons.

Takedown policy

Please contact us and provide details if you believe this document breaches copyrights.
We will remove access to the work immediately and investigate your claim.

Ilana Nisky · Jess Hartcher-O'Brien ·
Michaël Wiertlewski · Jeroen Smeets (Eds.)

Haptics: Science, Technology, Applications

12th International Conference, EuroHaptics 2020
Leiden, The Netherlands, September 6–9, 2020
Proceedings

Editors

Ilana Nisky 
Ben-Gurion University of the Negev
Beer Sheva, Israel

Michaël Wiertlewski 
Delft University of Technology
Delft, The Netherlands

Jess Hartcher-O'Brien
Delft University of Technology
Delft, The Netherlands

Jeroen Smeets 
Vrije Universiteit Amsterdam
Amsterdam, The Netherlands



ISSN 0302-9743 ISSN 1611-3349 (electronic)
Lecture Notes in Computer Science
ISBN 978-3-030-58146-6 ISBN 978-3-030-58147-3 (eBook)
<https://doi.org/10.1007/978-3-030-58147-3>

LNCS Sublibrary: SL3 – Information Systems and Applications, incl. Internet/Web, and HCI

© The Editor(s) (if applicable) and The Author(s) 2020. This book is an open access publication.

Open Access This book is licensed under the terms of the Creative Commons Attribution 4.0 International License (<http://creativecommons.org/licenses/by/4.0/>), which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons license and indicate if changes were made.

The images or other third party material in this book are included in the book's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the book's Creative Commons license and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, expressed or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

This Springer imprint is published by the registered company Springer Nature Switzerland AG
The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Preface

In this volume, you will find the proceedings of the EuroHaptics 2020 conference, held during September 6–9, 2020, in Leiden, The Netherlands. EuroHaptics is a major international conference, organized biannually, that features the latest advances in haptics science, technology, and applications. The 2020 edition of the meeting had a special focus on accessibility, and in the spirit of the focus, we have made the proceedings open access.

The organization of the conference faced a unique challenge, as the start of the review process coincided with the beginning of the COVID-19 pandemic. Like in all aspects of our lives, we also had to reinvent our scientific life, and find a new way to work. Conferences were canceled, moved to later dates, or re-organized as online virtual conferences. Eurohaptics 2020 was rescheduled; instead of late spring (June) it was held in September. Many of the authors, reviewers, and editors faced challenges: lab shutdowns, the transition to online teaching, and caring for our families to name just a few. Considering the event, we are thankful for the effort and dedication to scientific rigor of the 220 external reviewers and 35 associate editors as they juggled additional tasks and limited resources to finish the editorial process. We also want to acknowledge the diligence of authors to improve their papers in the midst of uncertainty and, for many of them, without access to their usual resources. Their commitment though the hardship of the situation made this conference possible.

All aspects of haptics, including neuroscience, psychophysics, perception, engineering, computing, interactions, virtual reality, and the arts were covered in the initial submissions for the full-paper category. The 111 submissions came from 24 countries: 50% from Europe, 37% from Asia, and 10% from North America. The Application, Science and Technology track chairs invited experts to the Program Committee and provided initial advice on three or four papers. The Program Committee members invited three independent reviewers and provided an assessment on the basis of a minimum of two reviews. To be accepted, we expected an innovative idea as well as a diligent experimental evidence, and 60 of the submissions (55%) were accepted for publication. These papers were presented either as oral (36) or as poster presentations (24). In the proceedings, the two types of presentations are published with no distinction between them.

The conference also featured work in progress abstracts which allowed for presentation of late-breaking results as a poster, receiving feedback from the community. The abstracts of these posters are not featured in these proceedings.

Finally, we are delighted to be part of such a dynamic and innovative community, and we believe that the proceedings reflect its creativity and depth of thought. We hope

that the works presented in these proceedings will serve as inspiration and spark new ideas for a better future where everyone is haptically connected.

September 2020

Ilana Nisky
Jess Hartcher-O'Brien
Michaël Wiertlewski
Jeroen Smeets