

CONTEXT SENSITIVE HEALTH INFORMATICS AND  
THE PANDEMIC BOOST

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ISSN 0926-9630 (print)  
ISSN 1879-8365 (online)

# Context Sensitive Health Informatics and the Pandemic Boost

All Systems Go!

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**IOS Press**

Amsterdam • Berlin • Washington, DC

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ISBN 978-1-64368-398-0 (print)

ISBN 978-1-64368-399-7 (online)

Library of Congress Control Number: 2023939718

doi: 10.3233/SHTI230304

*Publisher*

IOS Press BV

Nieuwe Hemweg 6B

1013 BG Amsterdam

Netherlands

fax: +31 20 687 0019

e-mail: [order@iospress.nl](mailto:order@iospress.nl)

*For book sales in the USA and Canada:*

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Clifton, VA 20124

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PRINTED IN THE NETHERLANDS

# Preface

This volume presents the papers from the International Conference on “Context Sensitive Health Informatics” held at The University of Sydney in July 2023. Context Sensitive Health Informatics (CSHI) concerns health information technologies and their environments. Environments may be people in various roles, such as citizens, patients, users, designers, and evaluators, but also non-human constructs such as organizations, work practices, guidelines and protocols, buildings, and markets.

The conference is endorsed and organized by the International Medical Informatics Association (IMIA) working groups “Human Factors Engineering for Healthcare Informatics”, “Organizational and Social Issues” and “Technology Assessment and Quality Development in Health Informatics”. The CSHI 2023 conference is sponsored by the: Digital Health and Informatics Network at The University of Sydney; Australian Institute of Health Innovation at Macquarie University; Research Institute for Innovative Solutions for Well-Being and Health at the University of Technology Sydney; Community and Primary Health Care Network at The University of Sydney; Human Factors and Ergonomics Society of Australia; and eHealth NSW. We would like to thank the sponsors for making it possible to organize the conference and publish the proceedings.

We thank the students and researchers who submitted their research papers to this conference. We also want to thank the members of the Scientific Program Committee for their efforts in establishing the content of the conference and all the reviewers for providing constructive feedback to the authors. Their excellent work has significantly improved the quality of the conference.

Adeola Bamgboje-Ayodele  
Mirela Prgomet  
Craig Kuziemy  
Peter Elkin  
Christian Nøhr

July 2023



## About the Conference

The COVID-19 pandemic has increased the pace at which innovative health technologies are designed, developed, and implemented. This acceleration raises critical questions, including: How can we ensure that we capitalize on this momentum? What are the risks and challenges, and how can we overcome these? What lessons have we learned in the past few years and how can these lessons transform the implementation and sustained use of innovative health technologies?

This book presents papers from the biennial conference on Context Sensitive Health Informatics, CSHI 2023, held in Sydney, Australia, on 5 and 6 July 2023. The theme of the 2023 conference was: Context-Sensitive Health Informatics and the Pandemic Boost: All Systems Go! The book includes 19 papers and 7 poster abstracts, on a variety of topics, divided into 5 sections: clinician perceptions and use of health technologies; workforce development in health informatics; aligning workflows and work systems to health technologies; co-design, equitable evaluation, and sustainable implementation of digital health tools; and big data and information management.

The book provides an overview of innovative health information systems embedded in robust scientific research on context and health information technologies and will be of interest to all those working in the field of health informatics.

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