

# NIK 2021 Preface

Lars M. Kristensen<sup>1</sup> and Eric B. Jul<sup>2</sup>

<sup>1</sup> Dept. of Computer Science, Electrical Engineering, and Mathematical Sciences  
Western Norway University of Applied Sciences

<sup>2</sup> Department of Informatics, University of Oslo

NIK is a widely scoped national conference for dissemination of research and advanced development work within informatics. The conference calls for submission of papers from a diverse set of genres and topics - within theoretical as well as applied informatics. NIK is also open for cross-disciplinarity and diversity with regards to methodological approaches and application areas.

The Norwegian Informatics Conference (NIK) has been arranged yearly since 1988. This 34th edition of NIK was organised as part of the NIKT 2021 conference by the Department of Computer Science at the Norwegian University of Science and Technology. The conference took place at Gløshaugen.

NIK is recognized as a level one publication channel in the Norwegian Register for Scientific Journals, Series and Publishers. The proceedings are published in the Open Journal Systems hosted by Unit. This year we received 20 submission of regular papers for NIK. Following a review process where each paper was received by at least three members of the programme committee, 10 papers were accepted for NIK. In addition, six posters were accepted for presentation in the poster session of the NIKT conference. The regular papers and extended abstract for the posters are published in this volume.

As co-chairs, we would like to thank the authors for their submitted contributions and the programme committee for reviewing and discussion of the submitted papers. We would also like to thank the organising co-chairs of NIKT 2021, Anne C. Elster and Birgit Rognebakke Krogstie, for their collaboration in planning the NIK track. Finally, we would like to thank Alexander S. Lunder-vold, HVL for accepting to give the invited talk of the NIK track on *Bringing machine learning to the hospitals*.

Bergen, Oslo,  
November 2021

Lars M. Kristensen and Eric B. Jul (programme committee co-chairs)

**NIK Program Committee 2021**

- Reggie Davidrajuh, UiS
- Kerstin Bach, NTNU
- Anne C. Elster, NTNU
- Siri Fagernes, University College Kristiania
- Christopher Frantz, NTNU
- Marius Geitle, HiØf
- Terje Gjørseter, OsloMet
- Nils Gruschka, UiO
- Ilona Heldal, HVL
- Jan Høiberg, HiØf
- Eric Jul, UiO (co-chair)
- Lars Michael Kristensen, HVL (co-chair)
- Bogdan Marculescu, University College Kristiania
- Anh Nguyen Duc, USN
- Mariusz Nowostawski, NTNU
- Edvard Pedersen, UiT
- Violet Ka I Pun, HVL
- Adrian Rutle, HVL
- Kjetil Raaen, University College Kristiania
- Maben Rabi, HiØf
- Susanne Koch Stigberg, HiØf
- Hao Wang, NTNU