

Norsk Informatikkonferanse (NIK) 2023 Forord

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NIK (Norsk Informatikkonferanse) is a national conference that aims to spread the knowledge of research and advanced development work in the field of informatics. The conference encourages the submission of papers from various genres and topics within theoretical and applied informatics. NIK welcomes diversity and cross-disciplinary approaches in methodological techniques and application areas.

Since 1988, NIK has been held annually. The 35th edition of NIK was a part of the NIKT 2023 conference, hosted by Department of Electrical Engineering and Computer Science, at the University of Stavanger, Norway.

We would like to thank the authors for their submitted contributions and the programme committee for reviewing and discussion of the submitted papers.

Accepted papers

NIK is recognized as a level one publication channel in the Norwegian Register for Scientific Journals, Series, and Publishers. This year, 18 regular papers were submitted to NIK, and after a thorough review process, where each paper was reviewed by at least three members of the programme committee, 11 papers were accepted for publication.

- *Aleksej Logacjov, Sverre Herland, Astrid Ustad and Kerstin Bach*. Large-Scale Pre-Training for Dual-Accelerometer Human Activity Recognition
- *Mamoona Birkhez Shami, Gabriel Kiss, Trond Arve Haakonsen and Frank Lindseth*. Geo-locating Road Objects using Inverse Haversine Formula with NVIDIA Driveworks
- *Durga Prasad Bavirisetti, Eskild Brobak, Peder Espen, Gabriel Kiss and Frank Lindseth*. Simulated RGB and LiDAR Image based Training of Object Detection Models in the Context of Autonomous Driving
- *Stefan Brenner, Daniel Thilo Schroeder and Johannes Langguth*. GECO: A Twitter Dataset of COVID-19 Misinformation and Conspiracy Theories Related to the Berlin Parliament and Washington Capitol Riots

- *Hans Georg Schaathun, Ben David Normann and Kenny Solevåg-Hoti.* Om å kartleggja mørk materie med maskinlæring
- *Øystein Nilsen, Pelin Mise, Ahmet Yildiz, Eniafe Ayetiran and Özlem Özgöbek.* I-KAHAN: Image-Enhanced Knowledge-Aware Hierarchical Attention Network for Multi-modal Fake News Detection
- *Erling Van De Weijer, Odd André Owren and Ole Jakob Mengshoel.* Forecasting Hourly Ambulance Demand for Oslo, Norway: A Neuro-Symbolic Method
- *Svein Høgemo.* Linear MIM-width of the Square of Trees
- *Tobias Dyngeland and Anne C. Elster.* Accelerating PFLOTRAN-OGS on GPUs using PETSc
- *Xavier F. C. Sánchez-Díaz and Ole Jakob Mengshoel.* Evolutionary Computation with Islands: Extending EvoLP.jl for Parallel Computing
- *Eirik Halvard Sæther, Ingrid Chieh Yu and Crystal Chang Din.* Semantics-Based Version Control for Feature Model Evolution Plans

Stavanger

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Crystal Chang Din and Adrian Rutle (programme committee chairs)

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