

# Norsk Informatikkonferanse (NIK) 2025 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 37<sup>th</sup> edition of NIK was a part of the NIKT 2025 conference, hosted by the Department of Computer Science and Communication, at the Østfold University College in Halden, 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

This year, 15 papers were submitted to NIK. Out of those, 14 were accepted for peer-review and one was rejected at the desk-level due to being incomplete. With a single exception, the majority of papers received at least four reviews. After this thorough review process, four papers were accepted and three papers were selected for a “shepherding” process. Out of those, one submission was withdrawn and two completed the process. Five submissions were accepted as presentations with extended abstracts, out of those, three were withdrawn, leaving two to be presented.

- *Aditya Dey, Jonas Kusch and Fadi Al Machot* FragFM: Fragmented Fourier Matrix for multi-seasonality extraction in Univariate Long-Term Time Series Forecasting
- *Andreas Bentzen Winje, Florian Wintel, Gabriel Hanssen Kiss and Frank Lindseth* Selective Temporal Fusion using Recurrent Attention for End-to-End Autonomous Driving
- *Sabine Fischer, Øyvind Ødegård, Frank Lindseth, Steven Yves Le Moan and Gabriel Hanssen Kiss* Explaining Monocular Depth Estimation - Diving into Regional Differences in the Prediction
- *Michal Chudoba, Tomasz Wiktorski and Sergey Alyaev* Revisiting Structured Representation Use in LLM
- *Alexander Holt, Joel Mattias Tømmerbakk, Tor Ivar Hansen and Xiaomeng Su* Flexible Visualization of Eye Tracking Data to Aid Assessment of Visuospatial Neglect

- *Kjetil Omang, Carsten Griwodz and Frank Johnsen* Passive bandwidth estimation for fog computing

### **Accepted Presentations**

- *Øyvind Hanssen* Data Replication for Distributed Emergency Management Systems
- *Rusith Chamara Hathurusinghe Dewage, Habib Ullah, Muhammad Salman Siddiqui, Rakibul Islam and Fadi-Al Machot* A Representative Sampling Approach to Few-Shot Transfer Learning

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Maben Rabi and Patrick Stünkel (programme committee chairs)

### **NIK programme committee**

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- Michael Kirkedal Thomsen, Department of Informatics, University of Oslo and Department of Computer Science, University of Copenhagen

### **Sub-Reviewers**

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Norsk Informatikkonferanse (NIK) 2025 Forord

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