

Preface by the PHOCON 2026 Chairs

The *International Workshop on Petri Nets, Higher-Dimensional Automata, Partial Orders, and Concurrency (PHOCON)* took place on 23 June 2026. It was co-located with the 47th International Conference on Application and Theory of Petri Nets (PETRI NETS 2026) in Hamburg, Germany.

PHOCON is a workshop on concurrency theory, in particular Petri nets and non-interleaving concurrency. It concerns itself with models for concurrency, partial-order semantics, their relation to Petri nets, and their applications. Topics of interest include, but are not limited to

- event structures,
- configuration structures,
- negotiations,
- higher-dimensional automata and variants,
- partial-order semantics,
- unfoldings,
- partial-order reduction,
- category theory,
- history-preserving bisimulation and variants,
- real-time concurrency.

Further information is available at <https://phocon.github.io/>.

The submission deadline for PHOCON 2026 was 12 April and acceptance notification 4 May 2026. The workshop received one regular and five abstract-only submissions. Each submission was reviewed by three referees, and based on the reviews, all submissions were accepted. Additionally, the program of PHOCON 2026 included invited talks by *Stefan Haar* and *Rob van Glabbeek*. We wish to thank the members of the program committee, the invited speakers, and the local organisers in Hamburg for their support.

June 2026

Uli Fahrenberg
Loïc Hélouët
Philipp Schlehuber-Caissier
Krzysztof Ziemiański

PHOCON 2026 Program Committee

- Amazigh Amrane, Laboratoire de Recherche de l'EPITA (LRE)
- Hugo Bazille, Laboratoire de Recherche de l'EPITA (LRE)
- Luca Bernardinello, Università degli studi di Milano-Bicocca
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- Maciej Koutny, Newcastle University
- Łukasz Mikulski, Nicolaus Copernicus University in Toruń
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- Stefan Schwoon, LMF, ENS Paris-Saclay
- Jiří Srba, Aalborg University
- Georg Struth, The University of Sheffield
- Krzysztof Ziemiański, University of Warsaw (co-chair)