FM×SL

FORMAL METHODS CROSS SPATIAL LOGICS

A workshop affiliated to FM 2024 - 26TH INTERNATIONAL SYMPOSIUM ON FORMAL METHODS

Milan, Italy, September 9, 2024

Conference website https://fmxsl24.github.io/

Submission link https://easychair.org/conferences/?conf=fmxsl24

Abstract registration deadline May 3, 2024 (AoE)

Submission deadline May 10, 2024 (AoE)

Objectives

1. Bridge Theory and Practice: Facilitate discussions and presentations that bridge theoretical concepts in Spatial Logics with applications in Formal Methods. Encourage participants to share insights from their research and experiences.
2. Emerging Trends: Highlight and discuss emerging trends and advancements at the intersection between formal methods and spatial logics. This includes recent research findings, innovative applications, and potential future directions in the field, novel application domains, etc.
3. Interdisciplinary Collaboration: Encourage interdisciplinary collaboration by bringing together experts from computer science, spatial and temporal logics, artificial intelligence, spatial knowledge representation and reasoning, and related fields. Create a platform for fruitful discussions that transcend traditional disciplinary boundaries.

Topics of Interest

The workshop invites submissions on a wide range of topics, including but not limited to: Spatial Aspects in Formal Methods (such as spatial model checking, minimization of spatial models); Spatial and Spatio-Temporal Logics; Formal methods and spatial logics in Imaging and medical imaging; Logical and topological methods in 3D meshing; Spatial applications of formal methods (e.g. applications of formal methods to novel domains); Computational methods that depend upon spatial constraints (e.g. GPU computing, Grid computing, Autonomic computing, Collective Adaptive Systems, etc.); Research bridging Spatial Logics and Formal methods with Artificial Intelligence (e.g. Hybrid Artificial Intelligence for vision and imaging, automated inference of spatial formulas, etc.)

Submission information

The workshop accepts papers of original work (LNCS format) of length up to 6 pages. The submissions will be compiled into a technical report. If the quality and quantity of the submissions warrants it, a special issue in a journal of the area will be proposed.

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