



# Forum on specification & Design Languages

September 10-12, 2025 | Schloß Rheinfels, St. Goar, Germany



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The **28th Forum on specification and Design Languages (FDL)** is an international event where academics and industry researchers exchange results, experiences, advances, and new trends related to languages, tools, and techniques for developing software and hardware systems. Targeted systems encompass cyber-physical systems, distributed systems, real-time systems, embedded systems, mechatronics, IoT, and reactive systems. FDL covers the following scientific areas:

**Languages:** Domain-Specific Languages for software, execution platforms, allocations, environment, contracts, abstraction/refinement methods together with their associated design methods, frameworks, and tools, including support for collaborative modeling and model management.

**Simulation:** Innovative simulation techniques, virtual prototypes, digital twins, collaborative simulation, hybrid simulations, or runtime abstraction/refinement with special attention on the efficiency and correctness.

**Paper Submission:** The following kind of papers are published with IEEE Xplore after successful reviewing and presentation at the conference:

- **research papers and special session papers** (8 pages + references) are original papers with clear scientific research contributions and evaluations
- **wild-and-crazy-idea papers** (4 pages + references) with well-explained fundamentally new ideas without rigorous evaluation
- **tool papers** (6 pages + references) present new tools for possibly existing methods that are made publicly available to the community
- **work-in-progress papers** (2 pages) describe planned and ongoing work mature enough to be presented at FDL.

**Special Session Proposals** are also welcome. They should propose a topic of particular interest to the FDL audience with two to four invited presentations. Potential organizers of a special session must submit a **brief proposal (no more than two pages)** describing the topic, the intended audience, and a list of potential speakers to [fdl2025@easychair.org](mailto:fdl2025@easychair.org). Potential speakers may submit a one-page abstract or a full research paper for review.

#### Organizing Committee:

General Chair: Klaus Schneider | RPTU Kaiserslautern  
Program Chair: Hans Vangelhuwe | University of Antwerp  
Finance Chair: Franco Fummi | University of Verona  
PhD Forum Chair: Michele Lora | University of Verona  
Publication Chair: Hokeun Kim | Arizona State University  
Publicity Chair: Johannes Koch | RPTU Kaiserslautern  
Web Chair: Nicola Dall'Ora | University of Verona

**Semantics:** Formal specifications, compilers, interpreters, type systems, abstraction/refinement techniques together with the underlying frameworks or new approaches for specification, modeling, and model transformations.

**Verification and Analysis:** Innovative static analyses, testing, debugging, model checking, machine learning-based analysis, or design space exploration with underlying models, tools, and frameworks.

**Ph.D. Forum:** FDL 2025 will also include a Ph.D. Forum, where selected Ph.D. students will have the opportunity to present their ongoing research to the FDL audience in a poster session, where they will receive valuable feedback on their ongoing work. The forum can also help to establish contacts with second reviewers or to enter the job market. In addition, on September 9, PhD students can attend selected talks by experts in the field to make further contacts. Applications for the Ph.D. Forum are open to students at any stage of their doctoral studies. Interested students must submit a two-page extended abstract written solely by the student. Selected papers will **not be published in IEEE, but will be made available to FDL participants**.

#### Important Dates (23:59 AoE):

<b>Special Sessions:</b>	<b>April 18, 2025</b>
<b>Paper Deadline:</b>	<b>May 2, 2025</b>
<b>Author Notification:</b>	<b>June 20, 2025</b>
<b>Final Version:</b>	<b>July 19, 2025</b>
<b>PhD Forum Deadline:</b>	<b>July 19, 2025</b>

