

Preliminary Program

Aarhus Summer School on Programming Languages, Logic, and Software Security

August 10–14, 2026 · Aarhus University

The program.

	Mon, Aug 10th	Tue, Aug 11th	Wed, Aug 12th	Thu, Aug 13th	Fri, Aug 14th
9:00–10:30	Rocq	Rocq	HO-SL	TT	LBS
11:00–12:30	Rocq	Rocq	HO-SL	LBS	HO-SL
13:30–15:00	TT	TT	SPA	HO-SL	SPA
15:30–17:00	LBS	LBS	TT	SPA	<i>Social Activity</i>

Courses and Speakers.

Abbr.	Course	Speaker(s)
Rocq	The Rocq Proof Assistant and Generative AI Tools for Formalisation of Mathematics	Bas Spitters
HO-SL	Higher-Order Concurrent Separation Logic	Lars Birkedal & Amin Timany
TT	Introduction to Type Theory	Daniel Gratzer
LBS	Language-Based Security	Aslan Askarov
SPA	Static Program Analysis	Anders Møller

Each session is 1.5 hours. Breaks of 30 minutes are scheduled between morning sessions and between afternoon sessions. Lunch break is 12:30–13:30. Friday evening is reserved for a joint social activity.

The Rocq course (Mon–Tue) provides foundational skills in interactive theorem proving and is closely related to the courses on Higher-Order Concurrent Separation Logic and Introduction to Type Theory, which begin on Wednesday and Monday afternoon, respectively.