

Preliminary Program

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

August 10–14, 2026 · Aarhus University

The program.

	Mon, Aug 10 th	Tue, Aug 11 th	Wed, Aug 12 th	Thu, Aug 13 th	Fri, Aug 14 th
9:00–10:30	Rocq	Rocq	HO-SL	TT	LBS
11:00–12:30	Rocq	Rocq	HO-SL (11:00–12:15)	LBS	TT
13:30–15:00	TT	TT	TT (13:00–14:30)	HO-SL	HO-SL
15:30–17:00	LBS	LBS	<i>Google Campus Aarhus (14:30–17:00)</i>	HO-SL	<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

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.