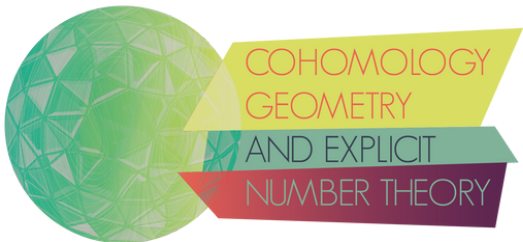


COGENT Winter School

December 1–12 2025, Galway

Week 1 : December 1–7



Monday 1/12		Tuesday 2/12		Wednesday 3/12		Thursday 4/12		Friday 5/12		Saturday 6/12		Sunday 7/12	
GAP: Introduction to GAP [B. Eick, G. Ellis] OSCAR: Introduction to OSCAR [T. Breuer, M. Horn]				COGENT REA Mid-Term Meeting (MTM)		PARI/GP : Introduction to algebraic number theory with PARI/GP [B. Allombert, A. Page] REGS: Regulators [H. Gangl] ART I: Jewellery from tessellations of hyperbolic space [H. Gangl]				ARITHMETIC: Cohomology of arithmetic groups [P. Elbaz-Vincent, H. Sengun] SOCIAL PROGRAMME: [J. Cruickshank]			
				9:30 - 17:30 COGENT / REA Mid-Term Meeting (MTM)						ARITHMETIC			
GAP		GAP				REGS		PARI/GP		ARITHMETIC			
tea/coffee		tea/coffee				tea/coffee		tea/coffee		tea/coffee			
GAP		GAP				REGS		PARI/GP		ARITHMETIC			
Lunch		Lunch				Lunch		Lunch					
OSCAR		OSCAR				PARI/GP		REGS					
tea/coffee		tea/coffee				tea/coffee		tea/coffee					
OSCAR		OSCAR				PARI/GP		REGS					
GAP		OSCAR				PARI/GP		ART I					
						Supervisory Board							



Funded by
the European Union

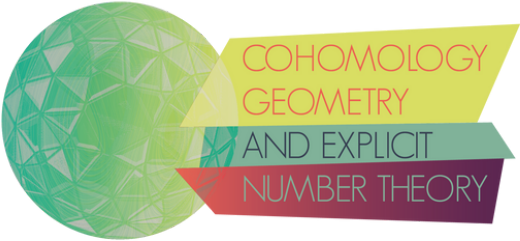


UK Research
and Innovation

COGENT Winter School

December 1–12 2025, Galway

Week 2 : December 8–12



	Monday 8/12	Tuesday 9/12	Wednesday 10/12	Thursday 11/12	Friday 12/12
	LEAN: Interactive theorem proving with lean [S. Dahmen] QUANTUM: Quantum information and computations with Qiskit [M. Mhalla]		CHOW-WITT: Chow-Witt groups [J. Fasel] ARITHMETIC: Cohomology of arithmetic groups [P. Elbaz-Vincent, H. Sengun] CYBER: An overview on cybersecurity and cryptographic engineering [T. Camus, P. Elbaz-Vincent]		PROJECTS: Registration and collaboration tools for the workshop projects ART II: A practical introduction to tessellation origami [R. Quinlan]
09:00 - 10:00					
10:00 - 11:00	LEAN	LEAN	CHOW-WITT	CHOW-WITT	PROJECTS
11:00 - 11:30	tea/coffee	tea/coffee	tea/coffee	tea/coffee	tea/coffee
11:30 - 12:30	LEAN	LEAN	CHOW-WITT	CHOW-WITT	ART II
12:30 - 14:00	Lunch	Lunch	Lunch* *12:30-13:30	Lunch* *12:30-13:30	Lunch
14:00 - 15:00	QUANTUM	QUANTUM	CYBER* 13:30-14:30	ARITHMETIC* 13:30-14:30	
15:00 - 15:30	tea/coffee	tea/coffee	tea/coffee	tea/coffee	
15:30 - 16:30	QUANTUM	QUANTUM	CYBER* *15:00-16:00	ARITHMETIC* 13:30-14:30	
16:30 - 17:00					
17:00 - 18:00	LEAN	QUANTUM	CYBER* *16:30-17:30	CYBER* *16:30-17:30	
18:00 - 19:30			CHOW-WITT* *17:30-18:30	CYBER* *16:30-17:30	

Project: 101169527 — COGENT — HORIZON-MSCA-2023-DN-01