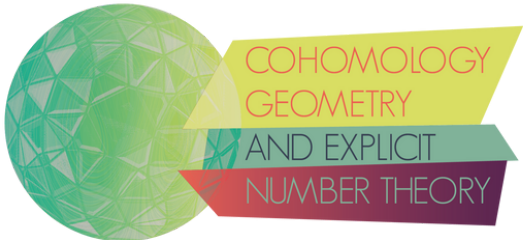


COGENT Winter School

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]	
09:00 - 10:00						ARITHMETIC	
10:00 - 11:00	GAP	GAP		REGS	PARI/GP	ARITHMETIC	
11:00 - 11:30	tea/coffee	tea/coffee		tea/coffee	tea/coffee	tea/coffee	
11:30 - 12:30	GAP	GAP		REGS	PARI/GP	ARITHMETIC	
12:30 - 14:00	Lunch	Lunch	9:30 - 17:30 COGENT / REA Mid-Term Meeting (MTM)	Lunch	Lunch		
14:00 - 15:00	OSCAR	OSCAR		PARI/GP	REGS		
15:00 - 15:30	tea/coffee	tea/coffee		tea/coffee	tea/coffee		
15:30 - 16:30	OSCAR	OSCAR		PARI/GP	REGS		
16:30 - 17:00							
17:00 - 18:00	GAP	OSCAR		PARI/GP	ART I		
18:00 - 19:30				Supervisory Board			

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, A. Chavarri Villarelo] 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]
LEAN	LEAN	CHOW-WITT	CHOW-WITT	PROJECTS
tea/coffee	tea/coffee	tea/coffee	tea/coffee	tea/coffee
LEAN	LEAN	CHOW-WITT	CHOW-WITT	ART II
Lunch	Lunch	Lunch* *12:30-13:30	Lunch* *12:30-13:30	Lunch
QUANTUM	QUANTUM	CYBER* *13:30-14:30	CHOW-WITT* 13:30-14:30	
tea/coffee	tea/coffee	CYBER* *14:30-15:30	ARITHMETIC* *14:30-15:30	
QUANTUM	QUANTUM	tea/coffee	tea/coffee	
		CYBER* *16:30-17:30	ARITHMETIC* *16:30-17:30	
LEAN	QUANTUM	CYBER* *17:30-18:30	ARITHMETIC* *17:30-18:30	