



UCD School of Mathematics and Statistics Colloquium Seminar

Title: Mathematics in the era of AI and formalisation

Speaker: Dr Oliver Nash (Mathlib Initiative)

Date: Thu 12th November 2026 at 2:00PM

Location: (See abstract)

Abstract: 2-3pm, Thursday 12 November , SCIH 1.51 (O'Brien Centre for Science Hub) UCD. Lunch pre-colloquium 1-2pm, School Common Room N3.20/N3.21 Science North.

It is a time of upheaval in mathematics. For the first time in history, proof generation and verification can be done entirely autonomously by a computer, with superhuman accuracy, speed, and, arguably, ability. Computers are now proving and refuting major conjectures. I will discuss the breakthroughs of the last few years which have made these events possible. I will also highlight some striking recent examples, discuss the implications for the mathematical community, and make some speculations about the future.

Please register at link below: <https://docs.google.com/forms/d/e/1FAIpQLSeQjyn30v3vVxHdRhX04sA>