

BASTOW Session – Conrad Wolfram

Session Title: *'Mathematica, computer-based math and the new era of STEM'*

Date: May 27

Time: 2.30pm – 3.30pm

Venue: **BASTOW** 603-615 Queensberry Street North Melbourne

Cost: There is **no cost** to attendees. This is a **free event**

Register: <https://register.eventarc.com/23086/special-event-mathematica-in-victorian-classrooms>
PLEASE NOTE: This is a **free event**. When you register and get to the payment section just choose credit card or invoice payment and it will progress through to a zero invoice and **not require any payment**

Further Info: Email Peter Maggs at maggs.peter.j@edumail.vic.gov.au

About Conrad Wolfram

Conrad Wolfram, physicist, mathematician, businessman and technologist is Director of Strategic Development and European Co-Founder/CEO of the Wolfram group of companies.

Conrad is also the world's leading advocate for a fundamental shift of maths education to become computer-based, arguing that this is the key way to address issues in global maths education and move forward.

His widely acknowledged 2010 TED talk [Link: http://www.ted.com/talks/conrad_wolfram_teaching_kids_real_math_with_computers.] laid out the rationale and roadmap for this rethink and the same year he founded computerbasedmath.org <<http://computerbasedmath.org>> (CBM) to drive implementation of the change.

The movement is now a worldwide force in re-developing STEM curriculum and in February 2013 it was announced that Estonia would be the first partner country.

Wolfram Research and Mathematica Software

The Wolfram Group specializes in pushing boundaries at the intersection of computation, maths and knowledge, including making *Mathematica software*, the *Wolfram Alpha* knowledge engine (powering knowledge answers for Apple's Siri), the Computable Document Format (CDF) standard, the newly announced Wolfram Language and forthcoming Wolfram Cloud.

Since 2011, *Mathematica* has been available to all Victorian DEECD secondary students and teachers via the eduSTAR image.

BASTOW Presentation – ‘*Mathematica, computer-based math and the new era of STEM*’

The importance of math to jobs, society and thinking has increased exponentially over the last few decades. Meanwhile, maths education globally has slipped backwards. Why has this chasm opened up? Computers are the key to addressing this challenge effectively - when computers do the calculating, people can work on harder questions, try more concepts, and play with a multitude of new ideas.

Conrad Wolfram will discuss his major project to build a completely new curriculum in mathematics with computer-based computation at its heart - covering the rationale for the change, how it's being manifested and how Victoria is well placed to be at the forefront.

Who should attend Conrad Wolfram's Session?

Anyone with an interest in mathematics education, in particular, school leaders, teachers and teacher educators, system representatives, policy makers and education researchers should attend.

This is a unique opportunity to hear from one of the leading global thinkers in mathematics education and technology here in Melbourne.

Polycom Venues for Regional Teachers

A number of regional venues will also be linking to the presentation via Polycom video-conferencing. Contact Peter Maggs for further details on:

maggs.peter.j@edumail.vic.gov.au