

Math + Coding

SYMPOSIUM: 19-21 June 2015
Faculty of Education, Western University

**Learning, making & performing
math relationships with code**

www.researchideas.ca/coding

The Symposium will explore the recent and quickly evolving focus on coding (computer programming) for young students, and its connection to mathematics. For example, in 2014 the UK mandated coding for all students, starting with grade 1. And the Ontario Ministry of Education is planning to develop coding lesson plans for the primary and junior grades.

We are specifically interested in exploring four areas of the mathematics-coding relationship:

1. Coding as a way of modelling mathematics relationships
2. Mathematics learning as a route to computational thinking
3. Coding and digital making as tools for students *performing* and *transporting* mathematics ideas beyond classrooms
4. The design of low floor, high ceiling, wide walls *mathematics + coding* learning experiences

TEACHER WORKSHOPS, GRADES 1-8 – Friday, 19 June 2015

For grades 1-8 teachers and education leaders.
What does coding look like in the classroom? How does it help address learning needs and meet curriculum expectations?
Sharing ideas from grades 1-8 classrooms where teachers and students use coding.

SCHOLARLY SYMPOSIUM – 19-21 June 2015

For university professors, graduate students and education leaders.
Why a focus on coding? What does the future hold? Where is research heading?
A working group discussion format, with collaborative papers in the proceedings.

SPONSORS



KEYNOTE SPEAKERS

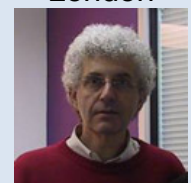
Celia Hoyles
University of
London



Yasmin Kafai
University of
Pennsylvania



Richard Noss
University of
London



REGISTRATION FORM Math + Coding Symposium



REGISTRATION FEES

Please check (✓) boxes to indicate choice

Classroom Teacher + Education Leader Conference

Friday, 19 June 2015

- classroom teacher (requiring teaching release)
registration fee = \$150
(includes: teacher release for 1 day for first 50 registrants – paid by the Symposium;
lunch; coffee break; and Friday Keynote reception)
- other educators (not requiring teaching release)
registration fee = \$60 (includes: lunch; coffee break; and Friday Keynote reception)

1 day teaching release paid by the Symposium for the first 50 classroom teachers who register

Scholar + Education Leader Symposium

Friday evening - Sunday afternoon, 19-21 June 2015

- all participants
registration fee = \$120
(includes: 2 lunches; 1 dinner; 2 keynote receptions; and coffee breaks)

Up to \$500 support for up to 6 graduate students – see www.researchideas.ca/coding

PERSONAL INFORMATION

- Role
- classroom teacher
 - education leader
 - university professor
 - graduate student
 - other _____

Title _____

First Name _____

Last Name _____

Affiliation _____

E-mail Address _____

Mailing Address _____

PAYMENT

Cheque payable to:
The Fields Institute for Research in Mathematical Sciences

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