



Mathematics Council
of the Alberta Teachers' Association
presents

“Opening Your Mathematical Mind”

The annual fall mathematics conference,

October 21–22, 2016

On-site registration begins Thursday evening, October 20, 2016

Coast Canmore Hotel and Conference Centre

511 Bow Valley Trail, Canmore, Alberta

Visit our website: www.mathteachers.ab.ca

MCATA is the Mathematics Council of the Alberta Teachers' Association. Its mission is to provide leadership to encourage the continuing enhancement of teaching, learning and understanding.

Keynote Speakers

Peter Liljedahl, Simon Fraser University

Peter Liljedahl, PhD, is an associate professor of mathematics education in the Faculty of Education and an associate member in the Department of Mathematics at Simon Fraser University, in Vancouver, British Columbia. He is the coordinator of the MSc program in secondary mathematics education, which is a unique collaboration between the Faculty of Education and the Department of Mathematics; he is affiliated with the PhD program in mathematics education and is a codirector of the *David Wheeler Institute for Research in Mathematics Education*.

More globally, Peter Liljedahl is currently the vice-president of the *Canadian Mathematics Education Research Group* and the lead editor of the proceedings of that group's annual meetings. He is a former member of the international committee of the *International Group for the Psychology of Mathematics Education* and currently on the editorial board of the international journals *Mathematical Thinking and Learning* and the *Canadian Journal of Science, Mathematics and Technology Education*.

Peter Liljedahl is a former high school mathematics teacher who has kept his research interest and activities close to the classroom. He consults regularly with schools, school districts and ministries of education on issues of teaching and learning, assessment, and numeracy. He is also a member of the executive of the British Columbia Mathematics Teachers Association (BCAMT) and coeditor of their flagship journal, *Vector*.

Ilana S Horn, Professor, Department of Teaching & Learning, Vanderbilt University Peabody College of Education and Human Development

Ilana Horn's work is motivated by the underperformance of American secondary students in school mathematics. Her research centres on ways to make authentic mathematics accessible to students, particularly those who have historically been disenfranchised by their educational system. She focuses primarily on mathematics teaching in two ways: first, she looks at classroom practices that engage the most students in high quality mathematics; second, viewing teaching as a situated practice, she is interested in how school environments, communities, colleagues and policies shape what is instructionally possible. Her scholarship lies at the intersection of mathematics education, learning sciences and the sociology of teachers' work.

Horn's research projects have spanned questions of inservice teachers' professional learning, preservice education, district level instructional improvement and students' experiences of different forms of mathematics instruction. These projects implicate the way teachers' work is organized in supporting the best forms of instruction for students. Theoretically, she draws on ethnomethodology and sociocultural studies of learning. Methodologically, she conducts comparative case studies with discourse analysis as a tool to understand local meanings.

(Adapted from <http://peabody.vanderbilt.edu/bio/ilana-horn>)

The link for registration is <https://event-wizard.com/OpeningYourMathmind/0/welcome/>.
Speaker proposal forms can be found on the website www.mathteachers.ab.ca under the Conference tab.