



# Mathematics Council NEWSLETTER

The Alberta Teachers' Association

Volume 32

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May 2014

## President's Message

By the time you read this, everyone will be back from either spring break or Easter break. I didn't have either of those, but I did make time for a break to attend both the NCSM (National Council of Supervisors of Mathematics) and the NCTM (National Council of Teachers of Mathematics) annual meetings, in New Orleans on April 7 to 12. If anyone has the opportunity to attend either of these meetings, I strongly recommend one or both.

The biggest theme of both these meetings is the United States Common Core Standards. However, built into those standards are process skills that follow ours. NCSM and NCTM have also been much more explicit in emphasizing some of the affective skills, like perseverance and confidence. There is also a big emphasis on rigour in the mathematics. I think we can take a page out of their standards and re-emphasize this in our mathematics.

On the other side of the coin, there were also a lot of sessions on assessment for learning and on authentic tasks. I think we have been working on these skills in our curriculum and teaching over the course of our current curriculum.

I hope to see you all at the symposium in Calgary, in May, and at the annual conference, in October. Remember—do math and you can do anything.

*Marj Farris*

### Looking for the Next Art Jorgenson Award Recipient *(info for your student teachers)*

We are looking for applicants for the Art Jorgenson Award. Please encourage the student teachers you have had during the past year or currently to apply. More information and the application information can be found at [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca) or on the insert in this newsletter. Also mention the conference to them and let them know that there is a student rate!

## From the Editor's Laptop

This spring seems to have provided so much inspiration—this newsletter is full of all sorts of interesting tidbits. From our president, we have information on our sister organizations in the United States; from Alberta Education, an update that will be very useful in discussions with parents who are supporting the “back-to-the-basics” movement; and, again, requests for you to submit names of wonderful professionals in our field, including those just beginning (see Math Educator and Art Jorgenson awards).

And take a look at our new column, “C<sup>3</sup>,” the three Cs being “Current Commentaries by Council.” At our executive meetings we often have interesting discussions on current issues in mathematics, but often do not have the opportunity to share our thoughts with the broader community. Because an important part of growing as a teacher is to stay up to date with current issues in our fields, we hope that this column will be a quick way to help with this. We hope you all enjoy it.

Have a great spring and summer!

*Karen Bouwman*

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## Nominate a Fellow Math Educator

Do you know a superb math teacher who is reaching students? Or a math leader who is helping teachers and students to improve understanding?

Why not nominate this person for Math Educator of the Year? Categories include elementary, secondary and those who have contributed toward professional development.

Go to [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca), click on Grants/Awards on the left-hand side of the page, then scroll down to Alberta Mathematics Educator Award and click on the link to the nomination form to submit your nomination today.

# MCATA Fall Conference: A Bridge to the Future

October 17–18, 2014

Coast Plaza, Calgary, Alberta

The annual MCATA conference will be held in Calgary on October 17–18, 2014. The theme for this year's conference is "A Bridge to the Future." Come get ideas on education in the 21st century and listen to a variety of speakers present ideas on the future of mathematics and mathematics education.

This year's conference presents two keynote speakers. On Friday morning, Dieter Breithecker, from Germany, will give an address on "Bodies in Motion—Brains in Motion." He will share his research and ideas on how we can increase student engagement and promote academic progress by incorporating movement in our classes. On Saturday morning, Florence Glanfield, from the University of Alberta, will present a keynote address on "Mathematics: Bridging Past, Present, Future." She will inspire you to think about what the future holds and what mathematics might be needed in the future.

Go to the MCATA website at [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca) for more information about the conference, or to register.

The conference committee is accepting speaker proposals. Please consider being a speaker at this year's conference.

## Friday Keynote: "Bodies in Motion— Brains in Motion"

### Moving Education in 21st-Century Learning.

*Presented by Dieter Breithecker*

Hear from Europe's foremost expert on posture, motion and ergonomics as they relate to social, behaviour and learning patterns and how adequate movement promotes both physical development and academic progress.

This keynote address is about student achievement and development. Schools are no longer educational establishments where teachers lecture and pupils sit still and listen in silence. Instead, schools are increasingly turning into institutions that "move people" and that adhere to principles of holistic learning. This conceptualization envisions school as a learning and living space. In such a space, spontaneous physical activity is incorporated into everyday school life to promote the health, well-being, and educational development of students and to enhance the overall quality of time spent in school. Consistent activity overall plays a major role in maintaining body weight, caloric intake, overall health and better brain function. It also supports students with ADHD problems.

Breithecker's address will provide valuable insight and a fresh perspective for teachers; he uses group participation to demonstrate his ideas. You will find his presentation both educational and entertaining—you'll be pleased that you attended and leave energized and enthused about how you can use movement to engage students and keep their brains in motion.

## Saturday Keynote: "Mathematics: Bridging Past, Present, Future"

*Presented by Florence Glanfield*

In what ways has mathematics served as a bridge between past and present and how might it serve as a bridge from the present to the future?

In offering an answer to this question, we will explore together questions such as Why do we teach the mathematics that we do? Who gets to decide what mathematics we teach? Who gets to decide how we teach what we teach? And what does the future hold? What mathematics might be needed in the future? What kinds of lens might we use to think about the future of mathematics and mathematics education? What role might mathematics play in the development of the lens? Together we will think about the future of mathematics and mathematics education.

For speaker information, please visit our website, [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca).

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## MCATA Table Officer Election Results

On March 15, 2014 three people let their names stand for the positions of MCATA president; vice-president, publications; and secretary. Because these executive members have been acclaimed, there will be no elections for these three positions at the annual general meeting at our annual conference, Mathematics: A Bridge to the Future, to take place October 17–18, 2014, at the Coast Plaza Hotel & Conference Centre, Calgary.

John Scammell is our new president; Tancy Lazar is the vice-president, publications; and Donna Chanasyk is our secretary. Congratulations to all of you, and thank you for volunteering to further the mission of MCATA to provide leadership to encourage the continuing enhancement of teaching, learning and understanding. I would also like to thank Marj Farris, our outgoing president, for her hard work and dedication to our council. MCATA remains a viable council because of her tireless efforts and leadership. I would also like to thank Lisa Everitt for all her work during this election process.

*Daryl M J Chichak  
Returning Officer*

# C<sup>3</sup>—Current Commentaries by Council

*The following was written by David Martin and posted on his blog on April 14, 2014. Minor changes have been made in accordance with ATA style. David's blog, including sample lesson plans and many other interesting math ideas, can be found at <http://realteachingmeansrealllearning.blogspot.ca>.*

## Curriculum Redesign in Alberta

**B**efore you read on, I ask that you stop and think for a couple of minutes about what should school look like.

### Why Do We Need to Change?

My reason comes from “Why do I teach?” I teach because I believe in a classroom that is structured differently for each student in the class. My perfect class would focus on meeting the needs of the students, not the system. Students in my class should be thinking critically, learning not only what to learn but also how to learn. Innovation and creativity would be at the core of all my lessons, because the focus would be creating opportunities for my students for the future and for the world outside the walls of my classroom. Students could work at different paces and implement various learning strategies to achieve the goals of my class. I believe in a classroom that allows me to dig deeply into various interests of students without worrying about losing time. Personalized learning would be allowed to flourish in my classroom because the passion and interests of my students would be just as important as pencils and paper.

I don't believe that any teacher or any educational stakeholder, in Alberta, is 100 per cent content with the current education system. If this is true, isn't it about time we change?

Our education system needs to prepare students to be successful in a future world that will be defined by global interaction, competition, engagement and networks. It needs to ensure that Alberta's young people will have the knowledge, skills and attitudes to be prepared for jobs that do not exist yet and in industries that are emerging or evolving.

### How Will Curriculum Change?

Inspiring Education involved parents, teachers, students, business and many other educational stakeholders and listened to them about what should change in education. The comments called for more student-centred, personalized, authentic learning experiences that will result in youth becoming engaged thinkers and ethical citizens with an entrepreneurial spirit. The vision was for an education system that is significantly different from that of yesterday and today.

The Alberta government listened and is creating a curriculum with a different focus. We need to invest in our students and empower them to bring out their potential. We are emphasizing the development of key competencies in our students, cultivating engaged

thinkers, ethical citizens and entrepreneurial spirits. We're recognizing that not all students learn the same way, and that textbooks and classrooms are just one way for them to experience education.

### Last, What Will Change?

All classes will focus on core competencies, which will be integrated into the curricular outcomes:

- Know how to learn
- Think critically
- Identify and solve complex problems
- Manage information
- Innovate
- Create opportunities
- Apply multiple literacies
- Demonstrate good communication skills and the ability to work cooperatively with others
- Demonstrate global and cultural understanding
- Identify and apply career and life skills

This change will allow any classroom to become the teacher's dream classroom.

### Bibliography

<http://education.alberta.ca/department/ipr/inspiringeducation.aspx>

<http://education.alberta.ca/department/ipr/curriculum/about/why-change.aspx>

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## PEC Report

**I**t has been brought to my attention that mental and emotional health is the number-one therapeutic category for ASEBP. Annual medication expenditure for depression exceeds \$4 million. One statistic that caught my attention is that 12.3 per cent of claimants with depression are under 25 years of age.

The Alberta Teachers' Association has a partnership with the Canadian Mental Health Association, and our Can We Talk? campaign is regularly advertised on Global television.

As teachers we need to discuss, connect and support a healthy school community. One of the most important pieces in building this community is through positive social environments for teachers and students. One in five students have a diagnosed mental disorder, and five of five are affected by someone with a mental disorder. As teachers we can help by developing knowledge and awareness. Learn about the signs of different mental problems and disorders. Speak up for mental health and help end the stigma. External resources are available through Alberta Health Services. We can ensure a welcoming environment for all our students and help them get the help they need.

Summer holidays are around the corner. I hope you all get a much-deserved break for your very busy lives.

Carol Henderson  
Provincial Executive Council Liaison

# Alberta Education Message

There has been a lot of media attention surrounding mathematics education lately—both provincially and nationally. In Alberta, many of the concerns stem from some misconceptions about the mathematics curriculum, and this highlights the need for all of us to work together to clarify the expectations of the Alberta mathematics programs of study. Below are four questions that Alberta Education has been hearing and some of the messages that we can share with our parent communities.

Q. Does my child need to know number facts?

A. Yes. The math program expects students to understand and commit to memory addition and subtraction number facts to 18 by the end of Grade 3, and multiplication and division number facts to  $9 \times 9$  by the end of Grade 5.

Q. Can my child learn traditional ways of adding, subtracting, multiplying and dividing?

A. Yes. It is important that your child understand why the method she or he is using works. Your child will be expected to understand and become proficient in at least one efficient and appropriate method. Learning is not one size fits all—students learn in different ways.

Q. Does my child need to use more than one strategy to solve a problem?

A. No. Your child will be expected to try out different strategies and learn at least one efficient strategy well. Once students understand the strategy, they can apply the strategy in future learning.

Q. Does my child use “discovery learning” in math class?

A. Every child learns differently, and a single approach to learning would allow only some students to succeed. The term *discovery learning* does not accurately describe the Alberta math program. Teachers still teach mathematics—students are not left to discover math by themselves.

These questions and others have been adapted from new support materials on Alberta Education’s math web page, <http://education.alberta.ca/math>. The website includes many more supports for teachers, students and parents. For more information or questions about the mathematics programs of study, please contact

- Amaya Ortigosa, team leader of Mathematics K–9, at 780-422-5079 or [Amaya.Ortigosa@gov.ab.ca](mailto:Amaya.Ortigosa@gov.ab.ca);
- Kris Reid, team leader of Mathematics 10–12, at 780-427-3588 or [Kris.Reid@gov.ab.ca](mailto:Kris.Reid@gov.ab.ca); or
- Diane Stobbe, French team leader of Mathematics K–12, at 780-427-7489 or [Diane.Stobbe@gov.ab.ca](mailto:Diane.Stobbe@gov.ab.ca).

For toll-free access in Alberta, first dial 310-0000.

## Journal Editor

We invite applications for the position of journal editor of *delta-K*, the professional journal of the Mathematics Council of the Alberta Teachers’ Association. *delta-K* is a refereed professional journal for mathematics teachers in Alberta. This journal is published to promote the professional development of mathematics educators and to stimulate thinking, explore new ideas and offer various viewpoints. *delta-k* is published twice a year.

This position may be filled by one individual or by two coeditors.

The journal editor is responsible for

- overseeing the content and maintaining the integrity of scholarship,
- soliciting the submission of articles,
- working with authors by providing initial feedback to prepare the submission for review,
- assigning articles for review to educators identified by the MCATA executive,
- notifying authors of the referees’ decision and providing constructive comments and feedback for improvement,
- writing an editorial for each issue,
- reporting to the MCATA executive on the status of the journal and attending MCATA executive meetings throughout the year,
- submitting issue contents to publishing editor at the ATA prior to the deadlines, and
- promoting the journal through professional networks.

The journal editor’s qualifications should include

- experience in or knowledge of mathematics education,
- knowledge of research literature in mathematics education,
- excellent writing and communication skills,
- ability to adhere to deadlines, and
- leadership and management skills.

To apply, please submit a letter of interest and resumé to Tancy Lazar, vice-president publications, at [trlazar@icloud.com](mailto:trlazar@icloud.com) or 80 Covepark Rise NE Calgary AB T3K 6G2, by July 31, 2014.

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Personal information regarding any person named in this document is for the sole purpose of professional consultation between members of the ATA.

## Alberta Mathematics Educator Awards

A maximum of three mathematics educator awards may be conferred annually in recognition of demonstrated leadership in mathematics education in Alberta. These awards will be presented to the recipients at the MCATA annual conference. The recipient will receive a commemorative plaque, certificate and registration at the current annual conference. Award recipient names will be published in MCATA publications.

### Selection Criteria

Awards may be conferred upon individuals in each of the following categories:

- Kindergarten–Grade 6 classroom teachers
- Grades 7–12 classroom teachers
- Those who have made exceptional contributions to professional development of teachers at the school, local, provincial or national levels *and* who have demonstrated leadership in encouraging the continuing enhancement of teaching, learning and understanding of mathematics in Alberta.

No more than one award will be conferred in each category, and the conferring of awards will be contingent upon there being deserving recipients in each category.

### Nomination Procedure

Nominators must be current members of MCATA.

Nominations for the award must be forwarded to the selection committee. A complete nomination application includes the following:

- Information about nominee (Part 1 on reverse side)
- Information about nominator (Part 2 on reverse side)
- Three letters of support that reflect the criteria listed above

For more information, contact the director of awards and grants:

Carmen Wasylynuik  
Box 4086  
Barrhead AB T7N 1A1

carmenbt@telus.net or 780-907-8990

Deadline for receipt of applications: **August 1 of each year**

# Alberta Mathematics Educator Award Nomination Form

## Part 1

Nominee's Name \_\_\_\_\_

Home Address \_\_\_\_\_

City and Postal Code \_\_\_\_\_

Business Address \_\_\_\_\_

City and Postal Code \_\_\_\_\_

Home Phone \_\_\_\_\_ School Phone \_\_\_\_\_

Signature of Nominee \_\_\_\_\_ Date \_\_\_\_\_

Home E-mail \_\_\_\_\_ School E-mail \_\_\_\_\_

## Part 2

Nominator's Name \_\_\_\_\_

Home Address \_\_\_\_\_

City and Postal Code \_\_\_\_\_

Business Address \_\_\_\_\_

City and Postal Code \_\_\_\_\_

MCATA Membership Number \_\_\_\_\_ Member Since \_\_\_\_\_

Home Phone \_\_\_\_\_ School Phone \_\_\_\_\_

Home E-mail \_\_\_\_\_ School E-mail \_\_\_\_\_

Signature of Nominator \_\_\_\_\_ Date \_\_\_\_\_

## Part 3

A minimum of three letters of support. Please forward application and letters to the current director of awards and grants:

Carmen Wasylynuik (carmenbt@telus.net)  
Box 4086  
Barrhead, AB T7N 1A1

Deadline for receipt of applications: **August 1 of each year.**



## DR. ARTHUR JORGENSEN CHAIR AWARD

### (MCATA Student Teacher Award)

This award is presented by the Mathematics Council of the Alberta Teachers' Association (MCATA) to encourage students enrolled in education programs in postsecondary institutions throughout Alberta to pursue and commit to mathematics education.

The award consists of

- a one-year term on the MCATA executive, with expenses paid to attend executive meetings (as per article 3.4 of the MCATA handbook),
- a one-year membership in MCATA and NCTM, and
- an invitation to attend one MCATA conference with appropriate expenses paid, subject to the approval of the executive committee (eg, substitute teacher, one night accommodation, travel and meals not included in the conference registration).

The recipient of this award must be enrolled in a degree program in a faculty of education in Alberta. The recipient will be selected on the basis of demonstrated academic excellence and a clear commitment to mathematics education in either

- specialization in mathematics at the secondary level or
- a keen interest and desire to expand mathematics knowledge at the elementary level.

1. Applicants must apply by April 30 of the current year to Dr. Arthur Jorgensen Chair Award c/o Director of Awards and Grants ([carmenbt@telus.net](mailto:carmenbt@telus.net)).
2. Applicants must submit a letter of reference from a faculty member in their school of education.
3. Applicants must complete the MCATA application form and address each of the questions or statements found on the application form.
4. A selection committee of the Mathematics Council of the Alberta Teachers' Association will make the **final** choice of recipient for this award.

APPLICATION FORM for  
***DR. ARTHUR JORGENSEN CHAIR AWARD***  
**(MCATA Student Teacher Award)**

**Please print legibly.**

Name of Applicant: \_\_\_\_\_

Address: \_\_\_\_\_ Postal Code: \_\_\_\_\_

Home Phone: (\_\_\_\_) \_\_\_\_\_ Home E-mail Address: \_\_\_\_\_

Postsecondary Institution: \_\_\_\_\_

Description of Program of Study: \_\_\_\_\_

Current Grade Point Average: \_\_\_\_\_

Previous Degree (if applicable) \_\_\_\_\_

Are you currently a member of any mathematics organization? \_\_\_\_\_

If yes, which one? \_\_\_\_\_ Membership Number \_\_\_\_\_

Date: \_\_\_\_\_ Signature: \_\_\_\_\_

ADDRESS EACH OF THE FOLLOWING QUESTIONS OR STATEMENTS on additional pages.

- Why did you choose to pursue mathematics education as a major area of study?
- How would you advocate and/or promote mathematics education with your students' school community?
- Identify and address current issues and concerns in mathematics education.
- How would you foster positive attitudes towards mathematics?

OUTLINE YOUR PROFESSIONAL DEVELOPMENT GROWTH PLAN.

Deadline for application is April 30 of the current year.



## Mathematics: A Bridge to the Future

ANNUAL CONFERENCE OCTOBER 17-18, 2014  
Registration Begins Thursday Evening October 16, 2014  
The Coast Plaza Hotel & Conference Centre  
1316-33 Street NE, Calgary, Alberta



\*\*\*\*\* To register online Visit our website [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca)\*\*\*\*\*

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

Come join the Mathematics Council of the ATA in celebrating 53 years of providing leadership to encourage the continuing enhancement of teaching, learning and understanding mathematics at our annual conference "Mathematics: A Bridge to the Future" at the Coast Plaza Hotel & Conference Centre, Calgary, Alberta.

You will have an opportunity to pick up your conference registration package at the Calgary Coast Plaza Hotel & Conference Centre conference registration desk from 7:00PM-10:00PM Thursday, October 16<sup>th</sup>, and from 7:00AM - 11:00AM Friday, October 17<sup>th</sup>, 2014.

In your registration package you will find your nametag. Wear your name tag at all times. It ensures your entrance to your chosen sessions. Your registration includes a ticket for the Friday Buffet Breakfast, Friday Lunch, and Saturday Buffet Breakfast.

The Mathematics Council will be offering a Saturday only registration package for teachers who are unable to attend on Friday. This Saturday package will include breakfast, a keynote speaker, and two Saturday sessions. The registration desk will be open on Saturday, October 18 from 7:00AM-9:00AM.

Conference session times are as follows:

Thursday, October 16, 2014	7:00PM-10:00PM	Registration Only
Friday, October 17, 2014	10:00AM-7:00PM	Displays Only Open Friday
Friday, October 17, 2014	7:00AM-11:00AM	Registration
	7:45AM-8:30AM	Breakfast
	8:30AM-9:00AM	Opening Remarks
	9:00AM-10:00AM	Keynote Speaker
	10:15AM-12:00PM	Session #1
	12:00PM-1:00PM	Lunch
	1:15PM-2:15PM	Session #2
Saturday, October 18, 2014	2:30PM-3:30PM	Session #3
	3:45PM-4:45PM	AGM
	5:00PM-7:00PM	Wine & Cheese Social: Games Night to Follow
	7:00AM-9:00AM	Registration
	7:45AM-8:30AM	Breakfast
	8:30AM-9:00AM	Opening Remarks
	9:00AM-10:00AM	Keynote Speaker
	10:15AM-11:15AM	Session #4
	11:30AM-12:30PM	Session #5

For further information and ongoing updates, visit [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca)

You will be entered in the Early Early Bird Draw if your on line-registration is completed by **September 15, 2014** and/or if your registration is postmarked by **September 16, 2014**. Draws are for one night's accommodation at **The COAST PLAZA HOTEL and CONFERENCE CENTRE 1316-33 STREET NE CALGARY**.

Conference Fee Includes: Friday breakfast, lunch, Friday Night Social and Saturday breakfast. Saturday registration includes Saturday breakfast only.

**Conference registration fee does not include accommodations.**

Bring your MCATA bag from last year to receive a bonus gift.

For delegates wishing to pay online, a Visa or MasterCard Payment option will be available to you by registering on line at our website [www.mathteachers.ab.ca](http://www.mathteachers.ab.ca) or at <https://event-wizard.com/MCATAConference2014/0/register/>.

For delegates wishing to submit payment by cheque or money order, please make cheque or money order payable to: Math Council ATA and send to: 1826 - 51 Street, Edmonton, Alberta, T6L 1K1

**Accommodation** The Coast Plaza Hotel & Conference Centre, Calgary is holding a block of guest-rooms at a special rate of \$144.00 per night. This special rate does not include applicable taxes (currently 9.0%). For room availability, please book your reservation by calling **1-403-248-8888**. Let them know you are attending the conference for the Math Council of the ATA. The block will be held until September 15, 2014. **Ensure you have made your own hotel reservations prior to this date.**

**Room Rates:**

Room Type	Sgl	Dbl	Trp	Quad
Comfort	\$144	\$144	\$159	\$174
Superior	\$169	\$169	\$184	\$199
Jacuzzi	\$224	\$224	\$239	\$254
Executive	\$244	\$244	\$259	\$274

**CONFERENCE CANCELLATION POLICY**

If it becomes necessary for you to cancel your registration, please cancel in writing by fax (780)469-0414 or mail (1826-51 Street, Edmonton, AB T6L 1K1) to the MCATA Conference Registrar prior to **October 1st, 2014**. A \$50 administration fee will be levied on refunds issued prior to this date. No refunds will be issued after this date. NSF cheque fee: \$20.00

**CONFERENCE REGISTRATION FORM**

**Name:** (last) \_\_\_\_\_ (first) \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **Province:** \_\_\_\_\_ **Postal Code:** \_\_\_\_\_

**Phone:** (home) \_\_\_\_\_ (school) \_\_\_\_\_ (fax) \_\_\_\_\_

**School Name:** \_\_\_\_\_ **Teaching Certificate #:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Grades Taught:** \_\_\_ K-3 Div I, \_\_\_ 4-6 Div II, \_\_\_ 7-9 Div III, \_\_\_ 10-12 Div IV, \_\_\_ Post Secondary

In registering for this specialist council conference, you are voluntarily providing your personal information and consenting to its collection, use and disclosure for all purposes connected with your attendance at this conference and future conferences & symposiums.

**Read the categories below and select the box that applies to you. (Note: MCATA memberships are non-refundable)**

**Current MCATA Member** (must be a member at time of registration) \$395.00 CAD

**Non MCATA Member** (includes a one-year MCATA membership) \$425.00 CAD

**Saturday Only Current MCATA Member** (must be a member at time of registration) \$165.00 CAD

**Saturday Only Non-MCATA Member** (includes a one-year MCATA membership) \$195.00 CAD

**Retired MCATA Member** (must be a member at time of registration) \$395.00 CAD

**Student Member (Undergraduate, provide Student ID No)** \$225.00 CAD   
**Student ID No (if applicable)** \_\_\_\_\_

**\*Persons Not Eligible for Specialist Council Membership** \$790.00 CAD

**\*Persons Not Eligible for Specialist Council Memberships** (Central office staff who did not elect active ATA membership cannot be members of specialist councils. The superintendent, deputy superintendent of school jurisdictions and teachers in charter, federal or private schools must be ATA Associate members in order to qualify for specialist council membership).

In making application for membership to MCATA, you are voluntarily providing your personal information and consenting to its collection, use and disclosure for all purposes connected with your participation as a member of the Mathematics Council.

**Extra meal tickets:** (Available Until October 4, 2014) **Friday Breakfast \$32** \_\_\_ **Friday Lunch \$35** \_\_\_ **Saturday Breakfast \$32** \_\_\_

**Total Fees \$** \_\_\_\_\_

**What type of Conference Booklet would you like?** \_\_\_ **Hard Copy** \_\_\_ **Electronic Copy** If you choose a hard copy version, a hard copy will be in your registration package. If you choose electronic, you will be able to download a copy from the MCATA website on Thursday October 17, 2013.