INTRODUCTION

Associate Professor Hardy Limeback, Head of Preventive Dentistry, Faculty of Dentistry, University of Toronto (Figure 1) extends a very warm invitation to all to attend the XXVIIIth ISFR Conference (ISFRXXVIII) at the Mississauga Campus of the University of Toronto, August 7–11, 2008. Attendance is open to everyone with an interest in fluoride research and is not restricted to members of the ISFR. Professor Limeback has arranged an exciting program with highly qualified guest speakers. The conference is also being run back to back with the Third Citizens’ Conference of Fluoride (FANIII) hosted by the Fluoride Action Network, and attendees are encouraged to attend both conferences.

The guest speakers at ISFRXXVIII are:

AK Susheela, Delhi, India
Kathleen Thiessen, Oak Ridge, TE, USA
Robert Isaacson, Binghampton, NY, USA
Heather Gingerich, Ingersoll, Ontario, Canada
James P Simmer, Ann Arbor, MI, USA
Pamela K Den Besten, San Francisco, CA, USA.

For FANIII the guest speakers will include:
Vyvyan Howard, Belfast, Northern Ireland, UK
Shiv Chopra, Ottawa, ON, Canada
Bill Osmunson, Bellevue, WA, USA
Ellen Connett, Canton, NY, USA
Kevin Hurley and Michael Connett, USA

Those registering for ISFR XXVIII do not have to pay an additional registration fee for attendance at FANIII. The combined conferences will give an excellent opportunity to meet with many of those involved with fluoride research.

CONFERENCE TITLE
The title of the conference is Fluoride: bone and brain effects. However, all subjects and issues concerning research and practical topics relating to fluoride will be discussed including the effects of fluoride on human and animal health, the effects of fluoride on plants, and in vitro studies.

CONFERENCE ORGANIZER
Associate Professor Hardy Limeback, 1060 Springhill Drive, Mississauga, Ontario, Canada, L5H 1M9. Phone/ Fax: 905 891 6777. E-mail: Hardy.Limeback@dentistry.utoronto.ca

CALL FOR ABSTRACTS
Papers and poster presentations are invited on subjects and issues concerning research and practical topics relating to fluoride. Papers can only be accepted and published when at least one of the authors is registered to attend the conference. Further details are given in the First Announcement, Fluoride 2007;40(4):207-13 and online at www.fluorideresearch.org. Abstracts that are received before June 30 but are not drawn up and formatted in strict accordance with the instructions will be returned for satisfactory revision and resubmission within 48 hours before they can be accepted for presentation or publication in the program booklet. Space for oral presentations is limited and the final allocations will be made by Professor Limeback. Abstracts need to be sent as a Word document attachment by June 30, 2008. Late abstracts, received on or after July 1, 2008, will be accepted but may not be able to be included in the program booklet.

VENUE
The XXVIIIth ISFR Conference will be held on the beautiful rural Mississauga campus of the University of Toronto (see composite above). Mississauga is a bedroom/industrial community of Toronto, located 20 km west of downtown Toronto.

TRAVEL
Travellers coming to Toronto by air will arrive at the Lester B. Pearson International Airport located in the north-east end of Mississauga. There is an indirect 2-hour trip by public bus (one transfer) to the Mississauga Campus of the University of Toronto (only CAN$2.50) or a 20-minute $40 airport taxi-limousine ride to the campus. Flights to Buffalo from the US are less expensive than to Toronto (see Expedia.com)—for example a round trip from San Antonio to Buffalo is less than half the cost to Toronto. An alternative to taking taxis while visiting Toronto is to rent a car from Buffalo. It is approximately a 90 minute drive from Buffalo International Airport to the Mississauga campus. There may be a slight delay at the border depending on the time of day of crossing. If you are an American flying into Canada you will need a passport.
you are driving from America you will need either a birth certificate or a passport. See http://travel.state.gov/travel/cbpmc/cbpmc_2223.html Travellers by car will be required to obtain a parking permit at a cost of $10/day. Some international visitors may require a visitor’s visa. The list of countries for which visitor’s visas are required can be found here. http://www.cic.gc.ca/english/visit/visas.asp. Visas are required for Brasil, India, Iran, Peoples Republic of China, South Africa, Thailand and Turkey but not for Estonia, Japan, Germany, New Zealand, Poland, United Kingdom, and the United States of America. If an official letter of invitation to the conference is required, Dr. Limeback will be happy to supply it on request. In some countries the process of obtaining a visitor’s visa to Canada can take a couple of months. If you have an American visitor’s visa, that may allow you to visit Canada but please check for the requirements for your country of origin and pay well in advance to obtain the necessary documents.

**CAMPUS ACCOMMODATION AND MEALS**

Two types of accommodation are available: apartments and student rooms in residence buildings. In the apartments, 4 bedrooms share a kitchenette, living area and two bathrooms. In the student rooms, 2 student residence rooms share a washroom. These are new student residences and are luxurious in comparison to other universities. The floor plans for the accommodation are shown in the First Announcement in *Fluoride* 2007;40(4):207-13. There is no difference in cost between the two types of accommodation. Decent hotel accommodation in and around Toronto is at least three times more expensive than the modern dorm facilities on the Mississauga campus. Please indicate your preferred choice on your registration form and e-mail the information by June 30 even if you are not taking advantage of the early registration discount. If you have a preference for room-mates, that will make our job easier in assigning rooms. Female conference attendees will not be asked to share accommodations with male conference attendees (unless it is requested, e.g., with accompanying persons and/or friends). Please indicate if you require ground floor accommodation because of mobility difficulties.

The accommodation and meals fee includes all meals, nutrition breaks, the BBQ and the banquet. Restaurants outside the campus are not within walking distance. Vegetarian meals will be provided for those who request them. Alcohol may be consumed in the apartments, bedrooms, at special functions and in conference meeting rooms but consumption of alcohol openly on campus is otherwise prohibited.

**EXCURSIONS**

1. The **Niagara: see the falls and taste the wine** tour will provide an opportunity to see the largest waterfall in North America (Figures 3-5) and taste ice wine produced by harvesting grapes while they frozen. The ice particles in the grapes are separated before they thaw producing grape juice with a more intense taste.

2. A day trip to downtown Toronto is planned for accompanying persons on Friday August 8. The trip will include a train ride to Toronto (on the double-decker ‘GO’ train) a tour of Toronto attractions on double-decker bus, lunch and free time for shopping. Saturday will be free time for all accompanying persons.

**Payment:** Payment in Canadian dollars is preferred, as conference accounts will be paid in CAN$, but US dollars will also be acceptable. Please send a bank draft or cheque made out to “Dr Hardy Limeback, ISFRXXVIII Conference Organizer” by registered mail to: Associate Professor Hardy Limeback, 1060 Springhill Drive, Mississauga, Ontario, Canada, L5H 1M9, accompanied by the Conference Registration Form or a letter containing the information. Payment by credit card is not able to be accepted.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Participants</th>
<th>Spouses &amp; guests</th>
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</thead>
<tbody>
<tr>
<td>Thursday</td>
<td>All day</td>
<td>Arrival day. Registration all day at check-in desk, Visitor Centre, Mississauga Campus</td>
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<tr>
<td>August 7</td>
<td>1900</td>
<td>Welcome reception-mixer. Co-sponsored by the ISFR and the North American Division of the International Association of Medical Geology</td>
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<tr>
<td>Friday</td>
<td>0800</td>
<td>Breakfast and poster set-up</td>
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<tr>
<td>August 8</td>
<td>0850</td>
<td>Opening ceremony</td>
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<td>August 8</td>
<td>0900</td>
<td><strong>Invited address 1</strong></td>
<td>The options are:</td>
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<td></td>
<td></td>
<td>Endocrine effects from fluoride exposure:</td>
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<td></td>
<td></td>
<td>Implications for bone and brain</td>
<td>1. Free time</td>
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<tr>
<td></td>
<td></td>
<td>Kathleen Thiessen, SENES Oak Ridge Inc., Oak Ridge TE, USA</td>
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<tr>
<td></td>
<td>0950</td>
<td>Discussion</td>
<td>2. Observing at the scientific sessions. It is intended that spouses and guests can go to any of the scientific sessions they choose to and observe. It is not intended that delegates who are participating in the sessions or making oral or poster presentations register as accompanying persons at the reduced registration fee rate.</td>
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<td>1000</td>
<td><strong>Invited address 2</strong></td>
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<td>Fluoride and I.Q. effects: a systematic review</td>
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<td>Michael Connett, Fluoride Action Network, USA</td>
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<td></td>
<td>1120</td>
<td>Discussion</td>
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<td></td>
<td>1130</td>
<td><strong>Keynote address 1</strong></td>
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<td>The molecular mechanism of action of fluoride on bone and tooth matrix.</td>
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<td>Is the deleterious effect of fluoride on soft tissues different from calcified tissues?</td>
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<td>The action of fluoride on soft tissue matrix molecules.</td>
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<td>AK Susheela, Fluorosis Research and Rural Development Foundation, Delhi, India</td>
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<td></td>
<td>1230</td>
<td>Discussion</td>
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<td>1300</td>
<td>Lunch</td>
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<td>1400</td>
<td><strong>The Dan Boyle Memorial Guest Lecture in Medical Geology</strong></td>
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<td>Earth science foundations in fluoride research: a 100 year-long medical geology investigation</td>
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<td>Heather Gingerich, International Medical Geology Association (Co-Director, North America Region), Ingersoll, Ontario, Canada</td>
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<td>1520</td>
<td>Discussion</td>
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<td>1530</td>
<td>Nutrition break</td>
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<td>1545</td>
<td>Oral presentations (10 minutes each)</td>
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<td>1640</td>
<td>Poster presentations (5 minute summaries)</td>
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<td>1710</td>
<td>Discussion</td>
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<td></td>
<td>1900</td>
<td>Bar-B-Q patio dinner followed by Pub Night</td>
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</table>
Second announcement and call for abstracts
XXVIIIth Conference of the ISFR

Date    Time                   Participants    Spouses and guests

Saturday
August 9
0800  Breakfast and poster viewing

0900  Invited address 3
Tooth development, dental fluorosis, and amelogenesis imperfecta
James P Simmer, University of Michigan School of Dentistry, Ann Arbor, MI, USA

0950  Discussion

1000  Invited address 4
Fluoride effects on tooth enamel forming cells and matrix
Pamela K Den Besten, University of California, San Francisco, USA

1050  Discussion

1100  Nutrition break

1115  Keynote address 2
Fluorosis: clinical manifestations with a focus on the diagnosis and differential diagnosis to differentiate fluorosis from other diseases
Management of fluorosis patients: impact of assessment and monitoring
Prevention and control of fluorosis with the practice of interventions with an emphasis on the withdrawal of fluoride ingestion and the promotion of a nutritious diet with essential nutrients and antioxidants
AK Susheela, Fluorosis Research and Rural Development Foundation, Delhi, India

1230  Discussion

1300  Lunch

1400  Response to the 2006 report of the US National Research Council Subcommittee on Fluoride in Drinking Water by the dental profession and the current position of public health dentistry in North America
Hardy Limeback, University of Toronto, Toronto, Canada

1450  Discussion

1500  Nutrition break

1510  Oral presentations (10 minutes each)

1615  Poster presentations (5 minute summaries)

1700  Discussion and wrap-up

1900  Gala farewell banquet as part of the meal plan (Faculty Club)

Sunday
August 10
Post ISFRXXVIII Conference Tour: Niagara: see the falls and taste the wine and Third Citizens’ Conference on Fluoride
THIRD CITIZENS’ CONFERENCE ON FLUORIDE PROGRAM

Date | Time | Participants
--- | --- | ---
Sunday August 10 | 0900 | Opening

The following details were provided by FAN and are published here for those scientists interested in attending the FAN satellite conference:

- meet and hear from Vyvyan Howard, Professor of Infant and fetal pathology from the University of Belfast, past President of the Royal Microscopy Society, newly elected President of the International Society of Doctors for the Environment (ISDE)
- meet Andrew Harms, former president of the South Australian Dental Association
- meet and hear from Bruce Spittle from Dunedin, New Zealand, who recently published a short book on cases of fluoride sensitivity titled, Fluoride poisoning: is fluoride in your drinking water—and from other sources—making you sick? This fluoride sensitivity has long been denied by promoters of fluoride - and never studied by any government promoting fluoridation. Copies of the book will be on sale.
- meet activists fighting fluoridation from around Canada: from Quebec, from Alberta and from all over Ontario. These include the folks who have kept fluoridation out of Montreal for years and have helped to end it in Quebec City on April 1 of this year. It will also include some remarkable folks from Ontario (Cindy Mayer; Diana Sprules, Carole Clinic, Aliss Terpstra, and Karen Buck) who have helped end it in the Niagara region; and are fighting it hard in Hamilton, Oakville, Waterloo, and Toronto. Your presence could help all of these Ontario battles, and theirs could help us.
- hear the latest developments from Ellen Connett on the case against the use of sulfuryl fluoride as fumigant on food.
- hear about the developments in FAN’s communications from Kevin Hurley and Michael Connett. Kevin is producing our videotaped vignettes from professionals and will show us clips from those in the works, and Michael will be giving a rundown on what by then will be a re-vamped website. For Michael this will be his FAN swan song as in September he will be going to law school. He is going into Public Interest Law. Our loss will be others’ gain.
- meet and hear Shiv Chopra, a Canadian expert on food safety and the fluorification of the food supply (agricultural medicine, GMOs, vaccines and pesticides). He is very familiar with Washington machinations as he was one of the scientists who stopped Monsanto from getting approval in Canada, and then the rest of the world, for its milk hormone drug. He has just released his book, Corrupt to the Core, about his 35 years at Health Canada, and has launched a national petition to improve the safety of the food supply.

Evening | Fun and games, auction, sing-a-long

Monday August 11 | A full program will be held in the morning and the conference will close with lunch.

REGISTRATION FOR ISFRXVIII

The early bird and full registration rates are shown in the tables. An optional day trip to downtown Toronto is planned for accompanying persons on Friday Aug. 8. Accompanying persons are welcome to share the nutrition breaks and meals with delegates and to attend as observers whatever conference sessions they would like to. Persons wanting to participate in the scientific sessions or make an oral or poster presentation should enroll as a delegate or student as appropriate. The student rate is intended for those not in paid employment and who are enrolled in a formal course of study. The intention of having a special rate for accompanying persons is to encourage attendance by accompanying spouses, relatives, or close friends coming with a participant.

The conference finishes with the gala farewell banquet on the evening on Saturday August 9 but instead of departing on the morning of Sunday August 10, attendees are
encouraged to also attend the additional options of the post-conference Niagara tour: *Niagara: see the falls and taste the wine* and the FAN III conference on Sunday August 10 and Monday August 11. There is a separate fee for participating in the post-conference Niagara tour. For those registering for ISFRXXVIII there will be no additional registration fee for attending FANIII.

### Registration fee for ISFRXXVIII

<table>
<thead>
<tr>
<th>Category</th>
<th>Early bird rate, on or before June 30, 2008</th>
<th>Full rate, on or later than July 1, 2008</th>
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<tbody>
<tr>
<td>Participants*</td>
<td>CAN or US$125</td>
<td>CAN or US$175</td>
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<tr>
<td>Students*</td>
<td>CAN or US$50</td>
<td>CAN or US$75</td>
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<tr>
<td>Accompanying persons†</td>
<td>CAN or US$50</td>
<td>CAN or US$75</td>
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*Entitled to attend the welcome reception, opening ceremony, scientific sessions, exhibition, nutrition breaks, FANIII, and to receive a copy of the conference proceedings.

†Entitled to all of the above as well as going on the trip to downtown Toronto apart from receiving a copy of the conference proceedings.

### Accommodation and meals fee

<table>
<thead>
<tr>
<th>Options</th>
<th>Full cost</th>
<th>50% deposit required by 30 June, 2008</th>
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<tbody>
<tr>
<td><strong>Option 1:</strong> 3-night-ISFRXXVIII option: Thursday evening until Sunday evening, flying out after dinner on Sunday (Three nights of lodging = $120 (3 x $40); PLUS 3 days of meals, including the extra $10 for the banquet= $107.50 [(3 x $32.50) + $10 for the banquet) = $227.50 total for lodging and meals)</td>
<td>CAN or US$227.50</td>
<td>CAN or US$113.75</td>
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<td><strong>Option 2:</strong> 4-night-ISFRXXVIII option: Thursday evening until Monday evening (Four nights of lodging = $160 (4 x $40); PLUS 4 days of meals, including the extra $10 for the banquet= $140 [(4 x $32.50) + $10 for the banquet) = $300 total for lodging and meals)</td>
<td>CAN or US$300</td>
<td>CAN or US$150</td>
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<td><strong>Option 3:</strong> 5-night-ISFRXXVIII &amp; FAN III option: Thursday evening until Tuesday morning (Five nights of lodging = $200 (5 x $40); PLUS 4 days of meals, including the extra $10 for the banquet= $140 [(4 x $32.50) + $10 for the banquet) = $340 total for lodging and meals)</td>
<td>CAN or US$340</td>
<td>CAN or US$170</td>
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<td><strong>Option 4:</strong> 2-night-FANIII option: Saturday evening until Monday evening (Two nights of lodging = $80 (2 x $40); PLUS 2 days of meals= $65 [(2 x $32.50)] = $145 total for lodging and meals). This option involves registering for FANIII but not for ISFRXXVIII.</td>
<td>CAN or US$145</td>
<td>CAN or US$72.50</td>
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<tr>
<td><strong>Option 5:</strong> 3-night-FANIII option: Saturday evening until Tuesday morning (Three nights of lodging = $120 (3 x $40); PLUS 2 days of meals= $65 [(2 x $32.50)] = $185 total for lodging and meals). This option involves registering for FANIII but not for ISFRXXVIII.</td>
<td>CAN or US$185</td>
<td>CAN or US$92.50</td>
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### Niagara: see the falls and taste the wine tour for all persons

<table>
<thead>
<tr>
<th>Early bird rate, on or before June 30, 2008</th>
<th>Full rate, on or later than July 1, 2008</th>
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<tbody>
<tr>
<td>$125</td>
<td>$150</td>
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</table>

Please complete the Conference Registration Form on page 9 after photocopying the page or downloading it from the websites www.fluorideresearch.org (or .com, or .net) or write a letter containing the information, and submit it, by E-Mail, before June 30, 2008, to Professor Limeback. Confirmation of registration will be made by return E-mail.
Figure 2. Horseshoe Falls, also known as the Canadian Falls, is a waterfall on the Niagara River, located on the Canadian side of the border with the United States.

Figure 3. American Falls on the United States side of the river. Niagara Falls is composed of two major sections, Horseshoe Falls and American Falls, which are separated by Goat Island. A third part, the smaller Bridal Veil Falls, also is located on the American side, separated from the main falls by Luna Island. Niagara Falls was formed when glaciers receded at the end of the Wisconsin glaciation (the last ice age), and water from the newly-formed Great Lakes carved a path through the Niagara Escarpment en route to the Atlantic Ocean.

Figure 4. Just as it is sometimes hard to see the wood for the trees, on occasion it can be hard to see the falls for the water. While not exceptionally high, Niagara Falls is very wide. More than six million cubic feet (168,000 m³) of water fall over the crest line every minute in high flow, and almost 4 million cubic feet (110,000 m³) on average. It is the most powerful waterfall in North America.
THE XXVIIITH CONFERENCE OF THE INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH (ISFR XXVII), AUGUST 7-11 2008, TORONTO, CANADA

CONFERENCE REGISTRATION FORM

(Please photocopy, download from www.fluorideresearch.org, .com, or .net, or give the information in a letter or E-mail. Type or print clearly. Please fill out the entire form.)

Name and country as preferred for name badge:

________________________________________________________________________

________________________________________________________________________

E-mail and mailing address:

________________________________________________________________________

________________________________________________________________________

Names of accompanying persons:

________________________________________________________________________

Accommodation: Which accommodation do you prefer?

4-bedroom apartment   2-bedroom student room

Preferred room mates:

________________________________________________________________________

Ground floor accommodation required: Yes   No

Special dietary requirements:

________________________________________________________________________

Do you wish to present a paper? If yes, what is the title? Do you prefer an oral or poster address?

Yes   No

Title

________________________________________________________________________

Registration fee for ISFRXXVIII as listed in the table:

<table>
<thead>
<tr>
<th>Category</th>
<th>Early bird rate</th>
<th>Full rate, on or after July 1, 2008</th>
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<tbody>
<tr>
<td>Participants</td>
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<td>CAN or US$50</td>
<td>CAN or US$75</td>
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<tr>
<td>Accompanying persons</td>
<td>CAN or US$50</td>
<td>CAN or US$75</td>
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Niagara: see the falls taste the wine tour fee (optional) $125 $150

50% Deposit for accommodation & meals

Option 1 $113.75

Option 2 $150

Option 3 $170

Option 4 $72.50

Option 5 $92.50

Total for: registration fee for ISFRXXVIII (not required if only attending FANIII with accommodation and meals option 4 or 5), Niagara tour (optional), and 50% deposit for accommodation and meals [payment in Can$ is preferred, but US$ will also be acceptable]: $  

Please send the information by E-mail, before June 30, 2008 if possible, to Professor Limeback. This will assist the organizer with the planning and allow attendees to obtain the early bird discount. E-mail: Hardy.Limeback@dentistry.utoronto.ca

Payment should be preferably be paid in Canadian dollars, but US dollars will be accepted, by bank draft or cheque made out to “Dr Hardy Limeback, ISFRXXVIII Conference Organizer” and sent by registered mail postmarked no later than June 30, 2008 to Professor Limeback accompanied by the conference registration form or a letter containing the information. Address: Associate Professor Hardy Limeback, 1060 Springhill Drive, Mississauga, Ontario, Canada, L5H 1M9.