

## MINUTES OF MEETING

*Canadian Society for Chemistry, Division of Inorganic Chemistry (start of meeting)*  
*Canadian Society for Chemistry, Inorganic Division (end of meeting)*

18:00 – 19:00

8 June 2011

*Palais des congrès de Montréal, room 511c*  
Montréal, QC

### In Attendance

Tom Baker  
Thomas Baumgartner  
Peter Budzelaar  
Glen Briand  
Neil Burford  
Curtis Burlinguette  
John Corrigan  
Ron Cavell  
Adam Dyker  
Bobby Ellis  
David Emslie  
Daryn Fogg  
Stephen Foley  
Paul Gray  
Andrew Grosvenor  
Garry Hanan  
Paul Hayes  
Robin Hicks  
Sam Johnson  
Dietmar Kennepohl

Pierre Kennepohl  
Fran Kerton  
Chris Kozak (ICE coordinator)  
Barry Lever  
Danny Leznoff (Chair)  
Jennifer Love  
Charles MacDonald  
Craig MacKinnon (curriculum)  
Jason Masuda  
Scott McIndoe (webmaster)  
Stephen McNeil  
Andy McWilliams  
Jens Müller  
Muralee Murugesu  
Xavier Ottenwaelder  
Chris Orvig  
Warren Piers  
Paul Ragogna  
Christian Reber (94<sup>th</sup> program)  
Eric Rivard  
Roland Roesler (95<sup>th</sup> program)

Lisa Rosenberg (past chair)  
D. Savard  
Frank Schaper  
Mike Shaver  
George Shimizu  
Kevin Smith  
Tim Storr  
Mark Stradiotto (treasurer)  
Simon Trudel  
John Veinot  
Charles Walsby  
Mike Wolf (CSC)  
Eli Zysman-Colman  
(illegible)

### Regrets

Kathryn Preuss (secretary)  
Cathleen Crudden  
Frédéric Fontaine (DIC mixer)

1. D. Leznoff called the meeting to order at 6:05 pm.

**MOTION:** That the agenda (with attached minutes from the 2010 AGM) be approved (Trudel/Stradiotto).

CARRIED

## **2. CHAIR'S REPORT (Leznoff)**

D. Leznoff thanked Christian Reber for all of his hard work on the organization of the program at the 94<sup>th</sup> CSC conference in Montreal. He then congratulated the following Award winners: Linda Nazar (Rio Tinto Alcan Award), Derek Gates (Strem Award for Pure or Applied Inorganic Chemistry), and Ryan Lundgren (Inorganic Chemistry Division Award for Graduate Work in Inorganic Chemistry - AGWIC).

The status of the DIC Calendar project that had been proposed a year earlier was updated. The Executive, for financial reasons, decided that the project could be test run in the next year with online distribution of the final product rather than mailing a hardcopy to the members (which could perhaps happen later, subject to finding an appropriate sponsor, which has not been successful to date). A competition for chemistry-based artwork that would be created and submitted by students will be initiated in the next year, with details of the submission and regulations to follow. The calendar will likely be either a “school year” calendar (starting September) or a calendar year calendar (starting January)

**ACTION REQUIRED (Leznoff and Preuss): Finalize the submission regulations. Request for a volunteer to head the calendar initiative, and request for judges to choose the artwork for the calendar. The contest must be promoted (e.g. via the listserv).**

The Executive discussed the idea that the Division would benefit from having its own logo. A logo is useful to show DIC contributions, e.g. at regional student conferences, several of which have received financial support from the division. A student competition was proposed in order to make a design for the logo.

**ACTION REQUIRED (McIndoe and Leznoff): The contest must be set up, promoted and a panel chosen to evaluate the submissions.**

A suggestion to change the official name of the Division from the current "CSC-DIC" to the "CSC-ID" was proposed by S. McIndoe. The rationale is that, when expanded from the acronyms, the current "Canadian Society for Chemistry - Division of Inorganic Chemistry" is too cumbersome and redundant in the use of the word "Chemistry". The proposed change, which is consistent with most other Divisions, is to change the "DIC" acronym to "ID", short for "Inorganic Division".

**MOTION:** That the name of the Division be changed to the “Canadian Society for Chemistry, Inorganic Division” (from the current “Canadian Society for Chemistry, Division of Inorganic Chemistry”) (McIndoe, Rosenberg)

CARRIED

The CSC Head office in Ottawa has been very strongly urging all Divisions to move their website to be hosted on their main CSC server; the Inorganic Division is among the last holdouts on this point, with our website currently hosted at UVic and supported by a Division webmaster (currently S. McIndoe). Given the logistical difficulties of maintaining two websites and the pressure from Ottawa to make this change, the following motion was made:

**MOTION:** That the Inorganic Division’s website be hosted on the CSC server as the sole host.

**DISCUSSION:** There is concern that the CSC is not prompt enough in updating content upon request, and a concern regarding loss of direct control of the website. It was also pointed out that the Material Division has its own domain name (which was purchased).

CARRIED (2 opposed, 9 abstentions)

**ACTION REQUIRED (McIndoe and Leznoff): S. McIndoe (webmaster) to facilitate transfer of website content to the host server in Ottawa. Relevant content on the new website is to be updated (Leznoff) with newest possible information where appropriate once the new site is up and running.**

### **3. NOMINATIONS (Rosenberg)**

**MOTION:** That Jennifer Love be appointed Vice-Chair for a 1-year term (ending May 2012), followed by her appointment as Chair for a 2-year term (starting June 2012) (Leznoff/Kerton)

**DISCUSSION:** It was noted that current vice-chair (C. Crudden) has been “promoted” (seconded) to the Vice-Chair of the CSC, therefore a replacement was required. As a result, this Vice-Chair appointment is for a non-standard one-year term.

CARRIED

**MOTION:** That Christian Reber be appointed Vice-Chair starting May 2012 for a two-year term (ending May 2014) (Leznoff/P. Kennepohl)

CARRIED

**MOTION:** That Dino Amoroso be appointed Member at Large (Industry Liaison) (Leznoff/Corrigan)

**DISCUSSION:** Charles Carter (Nova) has also expressed interest in greater contact between the Inorganic Division and industry.

CARRIED

### **4. REPORT FROM THE TREASURER (Stradiotto)**

M. Stradiotto reported that the finances of the DIC are in excellent shape. See Appendix 1 for a copy of the Treasurer Report for 2011. It was also noted that Strem Chemical's commitment to the Award was in the process of hopefully being renewed.

D. Leznoff thanked M. Stradiotto for his excellent work as Treasurer and welcomed F. Kerton as the new incoming Treasurer for the next year.

**ACTION REQUIRED: Deryn Fogg will approach Strem to determine their plans with respect to renewing the funding of the Strem Award, ideally for a new five-year period.**

### **5. REPORT FROM THE CSC DIRECTOR OF SUBJECT DIVISIONS (Wolf)**

M. Wolf announced that there is a permanent increase in the grant from the CSC to the Inorganic Division of \$200-300 and that there might be more money available (this is as a result of the re-allocation of funds from

inactive Divisions). Wolf suggested that lobbying for the extra funds, with appropriate justification, would be worthwhile.

**ACTION REQUIRED (Leznoff and Kerton): Make efforts to obtain additional funding from the CSC via the Divisional Grant process, using appropriate justifications.**

Feedback is being sought regarding the 8-18:00 timing of scientific sessions at the CSC in general.

The CSC 2012 conference in Calgary will run Saturday to Wednesday. With respect to the CSC 2013 conference in Quebec City, the dates have not been set yet and there is some discussion regarding whether the conference should start on Saturday or Sunday; attendees should make their wishes known to the CSC.

M. Wolf also reported that the CSC gets funds for each paper published by Canadian authors in PCCP (a Royal Society of Chemistry journal that is now partly owned by the CSC). Discussions to extend this arrangement to Dalton Trans. are in progress.

## **6. REPORT ON THE ICE PROGRAM (Kozak)**

C. Kozak summarized the current year's ICE program. There were 30 student applicants and the exchange program was very successful. See Appendix 2 for a more detailed report.

## **7. REPORT FROM THE MEMBER-AT-LARGE (UNDERGRADUATE) (MacKinnon)**

C. MacKinnon reminded the membership of the Inorganic Experiment Bank, with a Wiki at:

<http://cscdic.pbworks.com/>

A suggestion was made that a demos section of the site could be a useful addition.

**ACTION REQUIRED (MacKinnon): Add a section on demos to the Inorganic Experiment Bank.**

## **8. CONFERENCES**

(a) CSC 2011 Montreal: overview of inorganic program (Reber)  
C. Reber thanked the organizers for the symposia. See Appendix 3 for a more detailed conference report.

(b) CSC 2012 Calgary: proposed inorganic program (Roesler)

**MOTION:** That the proposed program for the Inorg. Div. at the 95<sup>th</sup> CSC Conference and Exhibition (attached as Appendix 4) be approved (Leznoff/Love)

CARRIED

(c) CSC 2013 Quebec City: nomination of Inorganic Program Chair

**MOTION:** That Frédéric Fontaine be appointed program chair for the Inorg. Div. for the 96<sup>th</sup> CSC Conference and Exhibition (Rosenberg/Johnson)

CARRIED

(d) A presentation regarding Inorganic Division policy on honorary symposia was given by L. Rosenberg and a discussion ensued. The policy is outlined below:

#### **Honourary Symposia – Inorganic Division policies**

- The increasing number of proposed honorary symposia over the past several years has led to strain in scheduling other symposia and has led to competition with award lectures. Due to the proliferation of requests and suggestions for special symposia in honour of colleagues, the Executive discussed and proposed a policy regarding how many and in what fashion such "symposia in honour of..." should be approved.
- This is a delicate issue because many Division members are distinguished (and/or have milestone birthdays) and not all will get special symposia. It is especially important that special symposia do not compete with or take away from (in area of research or level of distinction) any DIC members who are giving award lectures.
- The Division normally organizes only 7-9 symposia per conference. Because of this small number, the Executive wishes to limit Honourary Symposia to **one per conference**, and the Program Chair **has the authority to reject** these symposia proposals. In this case, the Executive and Program Chair will endeavour to find some sort of compromise, e.g. postponing until a future conference in a more appropriate location or at a more appropriate time in the person's career.
- If the Program Chair decides to allow the special symposium, the organizers should provide a title that will guide abstract submission to that symposium for contributed talks. The ideal symposium title will convey a topic, as well as the name of the honouree.
- If Division members wish to organize a "Symposium in Honour of..." , they must provide the Program Chair with the reason(s) for the symposium to be held this year, in this location. Normally the symposium would be in honour of a distinguished, senior DIC member who is winding down (or has wound down) their research program and is therefore unlikely to be attending more CSC conferences in the future. It is preferable, although not essential, that the honouree is affiliated with an institution located at or near the conference city.
- If former coworkers wish to organize a birthday celebration, the Program Chair can offer them a half-day session of the General Inorganic Symposium, which will not be advertised with a special title in the program (i.e. word must be spread informally).

## **9. OTHER BUSINESS**

D. Leznoff noted that the current Secretary (K. Preuss) is starting a maternity leave and as a result Marcel Schlaf has agreed to take on the responsibilities for managing the listserv during the leave period (one year).

**MOTION:** That the meeting be adjourned (Rosenberg/Kozak). CARRIED.  
Meeting adjourned at 7:05 pm.

**Division of Inorganic Chemistry  
Treasurer's Report  
2011**

1. This report for the DIC for 2011 reflects the period from June 1, 2010 to May 27, 2011.
2. The finances for the Inorganic Division of the CSC are in excellent shape. As of May, 2011 the net worth of the Division is approximately \$56,400, all of which represents available cash in the operating account (two investments came due in the spring of 2011 and these were deposited in the operating account to be reinvested by the new treasurer in the summer of 2011). The divisional grant from the CIC for 2011 is \$1732.50 (cf. \$1640.70 in 2010).
3. The Inorganic Division gave \$350 toward undergraduate and graduate poster awards at the CSC-2010 (coordinated by the Chem. Ed. Division).
4. The Inorganic Division has provided \$1,200 in awards to students at graduate and undergraduate research conferences:

BCIDW \$150  
Ontario IDW \$150  
SACIQ \$150  
ICE \$150  
SOUSCC \$150  
Atlantic IDW \$150  
WCUCC \$150  
ChemCon \$150

5. The Inorganic Division paid out \$803.25 for the 2010 DIC Award for Graduate Work in Inorganic Chemistry (\$500+registration, and frame); the \$1,500 spent on the 2010 Strem Award for Pure or Applied Inorganic Chemistry (travel and award scroll) was fully covered by Strem sponsorship.

Submitted by,  
Mark Stradiotto, Treasurer

## Appendix 2: Inorganic Chemistry Exchange (I.C.E.) Report



### **Quick Stats of the Inorganic Chemistry Exchange from 2004 – 2011**

Total number of student participants: 60

Total number of faculty supervisors: 31

Total number of participating Departments/Universities: 13

NSERC USRA success rate for students in ICE 2011: 10/13 (77%)

NSERC USRA success rate for all ICE students since 2004: 46/60 (77%)

Proportion of students who have gone on to graduate school in chemistry: 55%

Number of papers published from ICE-related research: 15<sup>1</sup>

### **ICE (Inorganic Chemistry Exchange) Report June 2011**

ICE is a program giving talented undergraduate students who have completed 2 or 3 years of a chemistry degree a chance to carry out summer research in inorganic chemistry at an institution other than their own. Its goals are to promote Inorganic Chemistry, to identify and support potential graduate students, and to establish networks for undergraduate researchers who will eventually have chemistry-related careers. The program is now in its *seventh* full year (there was also a pre-ICE trial in 2004, in which one student traveled from Ottawa to UVic for the summer). To date, 60 students have been recruited, and have had 31 faculty supervisors from 13 different schools. The success rate of securing NSERC USRAs for these students is currently 78%. Of the 47 students who have participated in ICE and completed their undergraduate degrees, 26 students (55%) have gone on to graduate studies in chemistry, with many of these students receiving NSERC PGS awards. Furthermore, research conducted by ICE students has resulted in them being coauthors on 15 papers published by their supervisors.

In September 2008, John Corrigan (Western) took over for Lisa Rosenberg for a two-year term as ICE Chair, with Lisa having the position as past Chair. In 2010, Chris Kozak succeeded John as ICE Chair for a two-year term.

### **6th ICE Workshop, Winnipeg, August 19-20, 2010**

In 2010 the annual workshop was hosted at The University of Manitoba and organized by Scott Kroeker. It was a successful meeting for all faculty and student participants.

On the evening of Aug 20<sup>th</sup>, there was a “meet and greet” for all faculty (10) and student participants (10) from ICE 2010. The students were given a tour of the nightlife in Winnipeg. The following day, all student participants gave 20-minute lectures on their summer’s research. As has been the trend, the quality of both the research and the presentations was exceptional. The plenary lecturer for 2010 was Martin Stillman (Western). At the end of the day, all workshop participants attended a banquet held at a local restaurant. The student and faculty feedback was unanimously positive.

---

<sup>1</sup> As determined by a search of Web of Science for with the name of the student and ICE supervisor as search terms.

## **Highlights from the 2010 ICE planning meeting**

The faculty held their annual ICE planning meeting on August 19<sup>th</sup>. It was decided that the 7<sup>th</sup> ICE 1 As determined by a search of Web of Science for with the name of the student and ICE supervisor as search terms.

Workshop (2011) will be held in Montreal on August 19<sup>th</sup> and 20<sup>th</sup>, 2010. Gary Hanan accepted the invitation to host it. Anyone interested in more details on these discussions should contact Chris Kozak for a copy of the meeting minutes.

## **ICE 2011**

An e-mail was circulated to the membership of the DIC via the mailing list on July 29<sup>th</sup> 2010 inviting anyone interested in supervising/hosting an ICE student to contact Chris Kozak. The response was very strong and several new participants have signed on. In addition, there was interest from Faculty members that they would recruit student participants for the program even though they would not be in a position to take a student themselves.

Four new faculty joined ICE: Gary Hanan (Montréal), Darrin Richeson (Ottawa), Mike Baird (Queen's) and Curtis Burlingutte (Calgary). There are a total of thirteen students participating in the program this summer, who were selected from 29 qualified applicants. Ten of the thirteen students were awarded a USRA. The table below provides some statistics for the ICE program from 2004 through to this year.

**Interested in joining ICE?** An E-mail will be circulated in early August through the DIC mailing list to solicit participants for ICE 2012. The list of supervisors will be finalized in early September so that student recruitment can begin shortly thereafter. Please contact Chris Kozak for details of the time and money involved, and be aware that there is a time commitment during the first 6-8 weeks of the fall semester.

# ICE

## INORGANIC CHEMISTRY EXCHANGE

student		from	worked with	At	USRA	whereabouts (last update)
ICE 04	1	Ottawa	Lisa Rosenberg	UVic	Y	NSERC CGS/grad student/Deryn Fogg/Ottawa (08)
ICE 05	2	Ottawa	Hilary Jenkins	SMU	Y	medical school? (07)
	3	Dal	Scott Kroeker	Manitoba	Y	working in AB, plans vet school (08)
	4	Ottawa	Lisa Rosenberg	UVic	Y	NSERC CGS/grad student/Dennis Hore (physical)/UVic (08)
	5	UVic	John Corrigan	UWO	Y	grad school/Warren Piers/Calgary
	6	UWO	Steve Westcott	Mt.A	N	see ICE 06
	7	Manitoba	Deryn Fogg	Ottawa	N	NSERC PGS/grad student/Mark Stradiotto/ Dal (08)
	8	Ottawa	Neil Burford	Dal	Y	NSERC PGS, MSc/Fryzuk/UBC, PhD/Stephan/UofT
ICE 06	9	Dal	Robin Hicks	UVic	Y	NSERC PGS/working NRC Halifax/plans year of work
	10	UBC	John Corrigan	UWO	N	
	11	SMU	Scott Kroeker	Manitoba	Y	NSERC PGS/grad student/Cathy Crudden/Queen's (08)
	6	UWO	Laurel Schafer	UBC	Y	grad student/John Corrigan/UWO (08)
	12	UVic	Neil Burford	Dal	Y	grad student/John Arnold/UCBerkeley-withdrawn (08)
	13	UBC	Paul Ragogna	UWO	N	NSERC USRA/Mark MacLachlan/UBC/plans year off (08)
	14	UBC	Bernie Kraatz	Saskatchewan	N	3 <sup>rd</sup> world development, med school? (07)
ICE 07	15	MUN	Deryn Fogg	Ottawa	Y	NSERC CGS/grad student/Mark McLachlan/UBC (08)
	16	MUN	Lisa Rosenberg	UVic	Y	grad student?(analytical)/Toronto (08)
	17	MUN	Cathy Crudden	Queen's	Y	NSERC PGS/Grad student/Deryn Fogg/Ottawa (10)
	18	Ottawa	Laurel Schafer	UBC	Y	NSERC PGS/grad student/Laurel Schafer/UBC (08)
	19	Queen's	Chris Kozak	MUN	Y	Repeated ICE in 2008, now at USC Engineering
	20	Saskatchewan	Steve Westcott	MtA	N	Grad School at Alberta with Veinot
	21	UVic	George Shimizu	Calgary	Y	withdrew from ICE (07)
	22	UBC	Kraatz/Scott	Saskatchewan	Y	Med School at UBC
ICE 08	23	UVic	Fran Kerton	MUN	Y	Grad school (PGSM) at Uvic with Steurman (Phys. Chem.)
	24	MUN	Rob Scott	Saskatchewan	Y	NSERC PGS/grad student/P. Jessop/Queen's (09)
	25	MUN	Nathan Jones	UWO	Y	Grad School in Computer Science
	19	Queen's	Roland Roesler	Calgary	Y	Grad School U Southern California (Engineering; PGSM 10)
	26	Queen's	Deryn Fogg	Ottawa	Y	Grad school Fall 2010 Toronto with Geoff Ozin
	27	Saskatchewan	John Corrigan	UWO	N	Grad student/Toronto/Bob Morris (2009)
	28	UWO	Cathy Crudden	Queen's	Y	Pharmacy school
	29	Queen's	Lisa Rosenberg	UVic	Y	Grad School UWO (Engineering)

# ICE

## INORGANIC CHEMISTRY EXCHANGE

<b>ICE 2009</b>	30	Western	Derek Gates	UBC	Y	Professional school
	31	UBC	Cathy Crudden	Queen's	Y	Still completing BSc (as of summer 2010)
	32	Queen's	Tom Baker	Ottawa	Y	
	33	MUN	Tom Baker	Ottawa	Y	Completed BSc, Either Med or Grad school (locations TBD)
	34	Queen's	Jens Mueller	Saskatoon	N	
	35	Dalhousie	Roland Roesler	Calgary	Y	Completing BSc, Med with Grad in Chem as backup
	36	UBC	Chris Kozak	MUN	Y	Grad School in US (chemistry)
<b>ICE 2010</b>	37	Ottawa	Scott Kroeker	Manitoba	N	Grad School at Uottawa with Fogg
	38	Saskatchewan	Martin Stillman	Western	Y	Completing BSc, applied to grad school for 2011 at Western
	39	Western	Tom Baker	Ottawa	Y	Still in BSc (thru 2012)
	40	Manitoba	Tom Baker	Ottawa	N	Completed BSc., admitted to Law School (Environmental)
	41	MUN	Scott Kroeker	Manitoba	N	Completed BSc. Interested in Med, but grad school is a backup
	42	Ottawa	George Shimizu	Calgary	Y	Completed BSc, applied to grad school for 2011, location TBD.
	43	UBC	George Shimizu	Calgary	Y	Completed BSc, applied to grad school for 2011, location TBD.
	44	Western	Suning Wang	Queen's	Y	Year off (2011)
	45	Western	Mike Wolf	UBC	Y	Plans on grad school
	46	Dalhousie	Robin Hicks	UVic	Y	
<b>ICE 2011</b>	47	MUN	Andrew Grosvenor	Saskatchewan	Y	Completed B.Sc., applied to Pharmacy, grad school is backup
	48	Western	Kerton	Memorial	Y	
	49	Memorial	Hanan	Montreal	Y	
	50	Manitoba	Richeson	Ottawa	N	
	51	UBC	Wang	Queen's	Y	
	52	Memorial	Baird	Queen's	Y	
	53	Calgary	Stillman	Western	Y	
	54	UBC	Budzelaar	Manitoba	N	
	55	Calgary	Grosvenor	Saskatchewan	Y	
	56	Saskatchewan	Berlinguette	Calgary	N	
	57	Western	Shimizu	Calgary	Y	
	58	Cape Breton	Wolf	UBC	Y	
	59	Western	Hicks	Victoria	Y	
60	Montreal	Rosenberg	Victoria	Y		

## Appendix 3: Report on the 94<sup>th</sup> Canadian Chemistry Conference and Exhibition (Montréal)

CSC 2011  
Division of Inorganic Chemistry

Program co-chairs:  
Frédéric Fontaine (U. Laval), Christian Reber (Montréal)

### Program 2011

IN1 Symp. in honor of John Harrod (Zargarian, Butler)  
IN2 Metal-catalyzed polymerisation (Schaper, j.MS8)  
IN3 Metallocsupramolecular assemblies (Thomson, Murugesu, Hanan)  
IN4 Organometallic reagents for org. Synth. (Arndtsen, Collins, j. OR3)  
IN5 Main Group Chemistry: Fundamentals and Applications (Ragogna, Dyker)  
IN6 Radiopharmaceuticals and Imaging (Caravan, Schirrmacher, j. BM3)  
IN7 Metals in Enzymes (Bohle, j. BM3)  
IN8 General Session (Reber)  
IN9 Adv. In Solar Energy Conv.: Solar Cells and beyond (Zysman-Colman, Morin, Leclerc, j. EG3)  
Poster Session (Fontaine)

### Quantities for CSC 2011

- 29 half-days of symposia for IN (fall 2010)
- after abstract deadline: 35 half-days  
**(THANK YOU FOR ENCOURAGING YOUR COLLEAGUES TO SUBMIT ABSTRACTS)**
- 80 student posters, 120 posters
- > 20 countries represented
- 35 fee waivers (intl)

### Financials

Funding from sponsors (F.-G. Fontaine):

2,200 \$ from CSC-2010  
2,371.25 \$ Mbraun sponsoring(\$2500 USD)  
500.00 \$ Strem  
940.50 \$ SP Industries/Wilmad  
188.10 \$ ChemGlass  
1,000.00 \$ University of Ottawa/Catalysis Center  
756.70 \$ RSC / Dalton Transactions  
1200 \$ Bruker  
1000 \$ Scientific Glass Design

TOTAL : \$10 148.41



Expenses:

4700 \$ Mixer already paid

197 \$ admission John Harrod

225 \$ Banner (sponsor names), at mixer

700 \$ Student poster awards in addition to CSC funds

Seed money for Calgary CSC maintained

Mixer

Deux Pierrots

Old Montreal

104 St-Paul Est

a 10 minute walk from here

**Calgary 2012, Inorganic Chemistry Division**

- IN Hydrogen Activation, Production and Storage (R. Tom Baker, Doug Stephan)
- IN Ligand Design (Samuel A. Johnson)
- IN Main Group Chemistry (Eric Rivard)
- IN/BM Metal Ions in Biology (Farideh Jalilehvand, Jürgen Gailer)
- IN/MS Metal Mediated Polymerization (Mike Shaver, Paul Hayes)
- IN/MT Solar Fuels (Curtis Berlinguette, Garry Hanan)
- IN Symposium on the Applications of Spectroscopy, Electrochemistry and Theory to Coordination Chemistry in Honour of Barry Lever (Robert J. Crutchley)
- IN General (Roland Roesler)
- 
- MT/IN/OR Molecular Design of Materials for Electronic, Photonic and Photovoltaic Applications (Eli Zysman-Colman, Dmitrii F. Perepichka, Curtis Berlinguette)
- MT/IN Solid State Chemistry (Venkataraman Thangadurai, Andrew P. Grosvenor)
- OR/IN Symposium on Homogeneous and Heterogeneous Catalysis in Honour of Howard Alper (Cathleen Crudden)