The CORS Bulletin

Canadian Operational Research Society
Société canadienne de recherche opérationnelle

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IN THIS ISSUE

Dear CORS members,

Happy new year! This issue kicks off with a thoughtful and informative update from the CORS president, Fredrik Ødegaard. This year has already seen some important changes and he also highlights exciting things to come.

We're on the home stretch for this year's CORS conference in beautiful Banff, Alberta. Please take a look at the funding opportunities and paper prize for students, and the practice prize for any work completed within the last two years. Also note that the deadline for abstract submissions is **February 26**, so don't let it slip by.

It's also the time of year for the call for nominations for several CORS Council positions. Please contact Taraneh Sowlati with your nominations.

If you have content you would like to see in the next bulletin, please submit it to me at AndreaFriars@gmail.com

Cheers,

Andrea Friars

Editor

THE 2015–2016 COUNCIL

CORS Council is made up of the officers of the society, four councillors, the immediate past president, a representative designated by each local section of the society, and the standing committee chairs. Contact information for 2015–2016 council representatives is provided below. For a complete listing go to www.cors.ca

President	Fredrik Ødegaard, University of Western Ontario, fodegaard@ivey.uwo.ca
Vice-President	Dionne Aleman, University of Toronto, aleman@mie.utoronto.ca
Secretary	Peter VanBerkel, Dalhousie University, peter.vanberkel@dal.ca
Treasurer	Sonia Vanderby, University of Saskatchewan, sonia.vanderby@usask.ca
Past-President	Taraneh Sowlati, University of British Columbia, taraneh.sowlati@ubc.ca
Councillor	Manish Verma, McMaster University, mverma@mcmaster.ca
Councillor	Satyaveer Chauhan, Concordia University, Satyaveer.Chauhan@concordia.ca
Councillor	Tatsiana Levina, Queen's University, tlevin@business.queensu.ca
Councillor	Michael Pavlin, Wilfrid Laurier University, mpavlin@wlu.ca
Atlantic	Claver Diallo, Dalhousie University, claver.diallo@dal.ca
Quebec	Irène Abi-Zeid, Université Laval, irene.abi-zeid@osd.ulaval.ca
Montréal	Louis-Martin Rousseau, École Polytechnique de Montréal, louis-martin.rousseau@polymtl.ca
Ottawa	Dragos Calitoiu, Bank of America, Ottawa, calitoiu@optimod.ca
Kingston	Jeffrey I. McGill, Queen's University, jmcgill@business.queensu.ca
Toronto	Joseph Milner, University of Toronto, milner@rotman.utoronto.ca
Southwest Ontario	Joe Naoum-Sawaya, University of Western Ontario, jnaoum-sawaya@ivey.ca
Winnipeg	Currently vacant
Saskatoon	Winfried Grassmann, University of Saskatchewan, grassman@cs.usask.ca
Calgary	Mozart Menezes, University of Calgary, mozart.menezes@haskayne.ucalgary.ca
Edmonton	Armann Ingolfsson, University of Alberta, armann.ingolfsson@ ualberta.ca
Vancouver	Stuart Donald, University of British Columbia, stuart.donald@sauder.ubc.ca
Toronto Student	Justin J. Boutilier, University of Toronto, j.boutilier@mail.utoronto.ca
Waterloo Student	Saul Qishu Cai, University of Waterloo, saulcai@hotmail.com

CORS ANNUAL CONFERENCE
MAY 30 – JUNE 1, 2016, BANFF, AB

PRESIDENT'S MESSAGE

Friends, Colleagues, Fellow Operational Researchers!

On the walk to my office this morning, the brightly lit LED sign informed passersby that the temperature was -9C. A crisp minus nine I would say. Absorbing the digital glow on my retina and feeling the cold burning sensation through my nostrils, my thoughts went to the recent meteorological reports that 2015 was another record hot year and that the prediction for 2016 is that (average) global temperatures will continue to rise. A strange correlation: the same was and is true for *Analytics*! In 2015 *Analytics* was a record hot trending topic, and the outlook for 2016 promises the continued uprising trajectory. Therefore, whether you profess the technical mathematics or the applied art of OR, make sure your audience realizes that *Operational Research* is *the* engine driving *Analytics*.

From CORS Council I have some very exciting and promising news to share. Starting January 2016 our journal INFOR is now formally published through Taylor & Francis. The move marks both the end of a five-decade long era where INFOR through UT Press established itself as an internationally recognized and indexed OR journal, and the beginning of a new era where we elevate INFOR from good to top-tier recognition. I would like to thank everyone at UT Press who over the 50+ years (!) has supported CORS and INFOR. CORS will forever be grateful and always remember our humble beginning. The move to Taylor & Francis provides INFOR with many benefits including an online submission system, vast editorial and marketing expertise in publishing engineering, mathematics, computer science, economics and business based journals, and an existing bundle of OR based journals. My Panglossian view is that this indeed marks a new era and that over the coming years, INFOR will move to the forefront of OR journals – not only with regard to impact factor but more importantly within our profession as a (by consensus) great journal that publishes high-quality articles. A special thanks goes to Elkafi Hassini and Samir Elhedhli (co-EICs) for their relentless effort in arranging the move to Taylor & Francis. We are currently in the midst of updating the CORS website and providing links to the online submission system, but in the meantime, simply contact Samir or Elkafi regarding submission logistics. Taylor & Francis will have a booth at CORS Banff 2016, so make sure to stop by to learn more about them.

Speaking of CORS Banff 2016, abstract submission and registration is now open. I hope your research, coursework and industry projects are progressing according to plan and that you will make the **February 26** abstract submission deadline. For those of you considering the various paper competitions make sure to check the CORS website for deadlines. I want to thank the organizing committee – Diane Bischak, Marco Bijvank, and Osman Alp – and our professional event planner Mireille Faucon for their great work thus far. CORS Banff 2016 promises to be a great conference at an amazing location with extraordinary people. I hope you all can make it, and make sure to invite your colleagues, co-authors, students and industry collaborators to join.

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You should also consider inviting your significant other and arrive a day early or stay a day late to enjoy some well-deserved *RnR* time. No, not *Revise and Resubmit*, the other and quite opposite *RnR*: *Rest and Relaxation*!

In other news, CORS Council had a productive meeting in January, and we are continuously working on securing a financial stable operation. It is impressive to consider that CORS is almost 60 years old and how both the technical sophistication and innovative application of OR has developed over the past decades. Where are we going? What paradigm-crushing OR developments will we see? What role will OR play in university curriculums? Is NP P? Well, those and many other conundrums I hope to ponder with you on a sunny spring day in the Canadian Rockies over some mutually agreeable beverage – preferably malted.

I wish you all a continued great winter.

Yours truly,

Fredrik Ødegaard

Twitter: @CORS_President
Email: fodegaard@ivey.uwo.ca

COUNCIL CORNER

This section of the CORS Bulletin will highlight recent discussions by the CORS Council and motions of particular interest that have been passed.

- Council approved INFOR's move to Taylor&Francis starting with Volume 54.1, January 2016

CALL FOR NOMINATIONS

2016–2017 Council Positions

The following positions are open for the 2016–2017 CORS Council:

Vice-President (President Elect)

The Vice President (one year term) assists the President, participates in special projects and ad-hoc committees through the year, and takes over the role of President at the following Annual General Meeting (AGM). The President oversees the general management of the Society in accordance with CORS Constitution. After a one-year term, the President then steps into the role of Past President for one year. The Past President's primary role is to advise the incoming President and Council.

Two Councillors (Two-year term)

A total of four councillors sit on council, and participate in the management of the society. Often, councillors are called upon to chair or serve on ad hoc or standing committees, and work on special projects.

For more details on the responsibilities of each officer, please see our Administrative Handbook online at http://www.cors.ca/documents/AdminBook.pdf

To nominate a CORS member to serve in one of these positions, please send his/her name and contact information by **March 15, 2016** to Taraneh Sowlati at taraneh.sowlati@ubc.ca

All nominees will be contacted and asked to provide a write-up for the April edition of the Bulletin.

ANNOUNCEMENTS

It's time to renew your CORS membership

Don't forget to renew your CORS membership before April 1, 2016. The membership year begins on April 1 and ends on March 31 of the following year. Go to http://www.cors.ca to renew online using your credit card or PayPal account or mail your credit card information or a cheque payable to the Canadian Operational Research Society to CORS/SCRO, BOX/C.P. 2225, STATION D OTTAWA, ONTARIO K1P 5W4. If you do not wish to continue as a member of the Society, please contact Erla Anderson at membershipservices@cors.ca

Follow CORS on LinkedIn

https://www.linkedin.com/company/canadian-operational-research-society

UNIVERSITY OF CALGARY
HASKAYNE SCHOOL OF BUSINESS

Canadian Operational Research Society
Société Canadienne de Recherche Opérationnelle

CORS
58th Annual Conference

May 30 to June 1, 2016
The Banff Centre, Banff National Park, Alberta, Canada
Conference registration now open!
Hosted by the Haskayne School of Business at the University of Calgary

On behalf of the 2016 CORS Conference Organizing Committee, I invite you to join us in Canada's breathtakingly beautiful, world-famous Banff National Park. Banff is one of the world's premier tourist destinations, a UNESCO World Heritage Site with stunning mountains and glacier-fed lakes, including the legendary Lake Louise. The conference will be held at the Banff Centre.

Co-located with CORS 2016 is the Thirteenth International Conference on Integration of Artificial Intelligence and Operations Research techniques in Constraint Programming, **CPAIOR2016**. **Enhance your conference experience** by adding the **CPAIOR Master Class** on Sunday, May 29 to your registration.

The **CAP and Associate CAP Certified Analytics Professional** exams will be offered on the evening of Monday, May 30. **Take advantage of this opportunity to complete your CAP certification.** See you in Banff! Diane Bischak, Ph.D., General Chair, email: cors2016@haskayne.ucalgary.ca

CORS 2016 Conference Registration is now open! Click here.
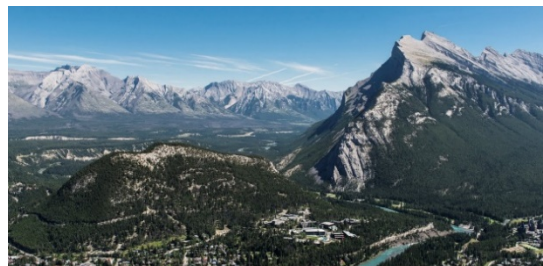
Submit your abstract here.
Abstract submission deadline: February 26, 2016
Abstract acceptance notification: April 1, 2016

New this year: Practitioners Day
Special one-day registration for Tuesday May 31.
Sessions include Analytics and Extractive Industries.

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Canadian Operational Research Society
Société Canadienne de Recherche Opérationnelle

CORS
58th Annual Conference

Special CORS 2016 events include presentations by:

- ❖ **Larnder Prize winner Dimitris Bertsimas**
- ❖ **Plenary speaker Pascal Van Hentenryck**
- ❖ **Tutorial speaker Opher Baron**
- ❖ **Tutorial speaker Mark Daskin**
- ❖ **Tutorial speaker Ger Koole**
- ❖ **Tutorial speaker Sam Savage**

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New this year at CORS 2016!
Presenting the Graduating Students: Introductions and Interactions

On the afternoon of Tuesday, May 31 there will be a special session to showcase students planning to go on the job market this year. Students will have the opportunity to present themselves and give a brief summary of their research interests and accomplishments. Afterward, there will be time to get to know these students better and have further individual discussions. Prospective employers from academia, and practitioners and recruiters from industry, are invited to attend. Come see the new crop of graduates in operations research and analytics—some of whom could be your future colleagues.

Students, please contact General Chair Dr. Diane Bischak to apply to participate in this session.

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HOTEL SPACE IS LIMITED. Book early to stay at the conference site. To reserve a guestroom online, see Banff accommodations. For **more information**, including additional accommodation options, airline and car rental discounts, and tours of the Banff area, please check the conference website and be sure to…

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CORS FUNDING OPPORTUNITIES

Graduate Student Funding to Attend CORS Conferences (GSFC)

CORS has established the GSFC program to encourage attendance of graduate students at conferences, symposia, or workshops specifically aimed at graduate students, such as student conferences, doctoral colloquia, and conferences for junior operations researchers. CORS may provide partial funding up to $500 per student for attendance at such events. Note that the GSFC program will *not* fund attendance at CORS meetings, because CORS has a separate program for this purpose.

All GSCS funding is subject to availability of funds and the following eligibility criteria:

- Student is a member of CORS.
- Student's supervisor is a member of CORS.
- Student is enrolled in a graduate program in a field related to operational research.
- Student is studying at a Canadian university, or is a Canadian citizen or permanent resident studying abroad.

The application process is competitive. The following criteria will be used to select applications that will be funded:

- The quality of the paper to be presented at the conference, if applicable.
- The benefits that the student is likely to derive from attending the conference.
- The stage that the student has reached in his/her degree program.
- Prior GSFC funding received by the applicant (new applicants will be given preference, all else being equal).

An application for GSFC funding is available at http://www.cors.ca/en/students/i_cors_conf.php

Because funding is limited, applicants are encouraged to submit their applications in a timely manner. Applications must be received at least two months before the conference date to receive full consideration. Applicants who meet this deadline will be notified of the outcome of their application at least one month before the conference date. For further information, contact:

Mehmet Begen, GSFC Coordinator, Email: mbegen@ivey.uwo.ca

CORS Traveling Speakers Program

The Traveling Speakers Program (TSP) enables local sections to bring Canadian OR practitioners / researchers as speakers to their local events. In order to keep costs in line while maximizing the CORS national profile, CORS sponsorship will be limited to 50% of the total expenses, up to a maximum of $500 per speaker or $1000 for a single event (conference, workshop). Other expenses can be covered by the local section. The program of the event must acknowledge the contribution of CORS. Each local section must contact the TSP coordinator to obtain approval for funding preferably at least one month in advance of the event date. Payment will be made by the CORS Treasurer upon receipt of the expense report.

Taraneh Sowlati, TSP Coordinator, Email: taraneh.sowlati@ubc.ca

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CORS Practice Prize Competition

The Practice Prize Competition recognizes the outstanding application of OR by practitioners in Canada and it attracts quality papers to the CORS Annual Conference.

Award: The Prize Committee will determine, at its discretion, First, Second and Honourable Mention awards and the distribution of up to $1800 in prize money according to the extent to which the finalists have reported on a completed, practical application with results that had a significant, verifiable and (preferably) quantifiable impact on the performance of the client organization. Every member of the winning teams receives a certificate.

Eligibility: The applicant must be a resident of Canada. The submission must include work completed over the last two years, but the entire project may have taken place over a longer period. The project may include published work, but it cannot have been previously submitted to this competition.

The Process
By **February 26, 2016** submit e-copies of the following to the Chair of the Practice Prize Committee:

1. An abstract, not exceeding 500 words, outlining the successful application of OR.
2. A letter from an executive of the client organization attesting that the application had an impact and giving permission for the project to be presented at the CORS Annual Conference.
3. The names, titles, phone numbers and email addresses of all authors and of at least one executive of the client organization.

By **April 1, 2016** the judging committee, consisting of three past winners of the Practice Prize, will select up to four finalists according to the following criteria:

1. The challenge of the application of OR and the significance of the problem.
2. The quality of the analysis and modeling and the implementation of the results.
3. The impact on the client organization.

By **May 6, 2016** the finalists must:

1. Submit a detailed written report, not exceeding 25 pages in the body, presenting a "case history" of the project describing its development from start to finish and focussing on the challenges and results.
2. Submit a one page project summary, suitable for publication in the CORS Bulletin and on the CORS website.
3. Present the project at the Practice Prize Sessions at the CORS Annual Conference (**May 30–June 1, 2016 in Banff**).

On the basis of the written report and the oral presentation the judges will determine the prizes to be awarded and announced at the banquet. The committee reserves the right not to award any prize.

Sophie D'Amours, Chair of the Practice Prize Committee
Email: sophie.damours@vrr.ulaval.ca

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CORS Student Paper Competition

Each year the Canadian Operational Research Society conducts a student paper competition to recognize the contribution of a paper either directly to the field of operational research through the development of methodology or to another field through the application of operational research. The competition serves to showcase the high quality of OR education in Canada as well as the excellence of the new generation of operational researchers. Prizes are awarded in two categories: Undergraduate and Open.

Application Process

Requirements

The applicant must be enrolled as a full-time student in a Canadian institution, in an undergraduate, masters, or PhD program during the school year 2015 to 2016. Canadians who are studying outside of Canada are also eligible. Applicants in undergraduate programs are eligible to apply in both categories: Open and Undergraduate.

To be eligible for First Prize or Honourable Mention, selected articles must be presented at the 2016 CORS annual conference. This rule applies to both categories: Open and Undergraduate.

Instructions

Fill out the competition Application Form (http://www.cors.ca/en/students/paper.php)

The application deadline for the Open Category is **March 15, 2016**.

For the Undergraduate Category, candidates must submit their intent to participate by sending an email with the title and abstract to the Chair of the Undergraduate Category. The deadline to indicate your intent to participate is **February 15, 2016**. The full paper should be submitted by **March 31, 2016**.

The Chairs of the competition are:

Open Category
Stanko Dimitrov
Email: sdimitro@uwaterloo.ca

Undergraduate Category
Anjali Awasthi
Email: awasthi@ciise.concordia.ca

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The entry includes:

1. Abstract of 200 words or less. Author's name, address, phone number, and email address.
   - Make sure the abstract clearly highlights the motivation, contribution, and potential impact of the paper.
2. Academic institution and supervisor's name, if applicable.
3. Indication of whether the author is planning to attend the conference regardless of the outcome.
   - Note that papers selected as Finalists must be presented at the conference in order to further be considered for First Prize or Honourable Mention.
4. Indication of whether the paper is submitted to a journal.
5. A PDF copy of the paper:
   - No longer than 35 pages (with minimum 1-inch margins, maximum 34 lines per page and minimum font size of Times 11) including all figures, tables, appendices, and references;
   - With separate title page containing the name of the authors, their coordinates and affiliations. Please ensure there are no identifiers on the other pages.
6. An email from the supervisor indicating that the participant is the first author of the paper should be sent to the Competition Chair.
7. Selection Criteria
   - Contribution of the paper either directly to the field of Operational Research through the development of methodology or to another field through the application of Operational Research.
   - Originality.
   - Writing style, clarity, organization and conciseness of the paper.

Awards

Open Category: First Prize $500, Honorable Mention $100

Undergraduate: First Prize $200, Honorable Mention $50

All papers selected as Finalists receive a certificate.

If an undergraduate wins the open competition, no undergraduate prize will be awarded. In the case of close competition, papers not winning an award may receive honourable mention.

Finalists selected for the undergraduate category will be eligible to apply for partial funding to attend the CORS annual conference. The Education Chair will contact finalists with details.

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CORS SPECIAL INTEREST GROUPS (SIGs)

CORS Council approved a policy on Special Interest Groups (SIGs). A SIG provides a mechanism to promote CORS, the SIG area and the SIG members, as well as the opportunity for CORS members with common interests to interact and network.

SIGs formed so far include:

- CORS Forestry SIG:
  contact Claudia Cambero (claudia.cambero@fpinnovations.ca)
  University of British Columbia, Department of Wood Science
  or go to http://cors-forestrysig.pieorswirls.com/
- CORS Health Care Operational Research SIG:
  contact Armann Ingolfsson (armann.ingolfsson@ualberta.ca)
  Alberta School of Business, University of Alberta
- CORS Queueing Theory SIG:
  contact Steve Drekic (sdrekic@uwaterloo.ca)
  University of Waterloo, Department of Statistics & Actuarial Science

If you would like to join a SIG, contact the persons listed above, or simply indicate that you would like to join when you renew your CORS membership.

CORS encourages members with common interest in an area within or related to operational research to form additional SIGs. More information about SIGs can be found online at http://www.cors.ca/en/membership/index.php. Discussions are underway about forming SIGs in several additional areas. If you are interested in forming a SIG in a particular area, then feel free to contact the

CORS SIG Committee Chair: Dionne Aleman (aleman@mie.utoronto.ca).

CORS SIG NEWS

Forestry

The CORS Forestry SIG and the chairs of this year's OR Applications in Forestry cluster, Taraneh Sowlati and Claudia Cambero, kindly invite you to attend the CORS Annual Conference in Banff and submit your abstracts to the Forestry cluster before **February 26, 2016**.

The Forestry cluster includes several sessions:

- OR applications in forest management (session chair: Gregory Paradis)
- OR applications in the forest product sector (session chair: Mustapha Ouhimmou)
- Management of forest bioenergy value chains (session chair: Taraneh Sowlati)
- Managing flammable landscapes under uncertainty (session chair: David Martell)
- Interfirm collaboration in the forest sector (session chair: Jean-François Audy)
- Industrial implementations of OR in forest value chains (session chair: Catalin Ristea)
- Big data in forest decision support systems (session chair: Mikael Rönnqvist)
- Transportation and wood handling (session chair: Mikael Rönnqvist)
- Minimizing the "garbage-in-garbage out" syndrome in forest optimization models (session chair: Marian Marinescu)
- Educational tools in OR/MS applied to the natural resources sector (session chair: Jean-François Audy)

Propositions for other topics are welcome as well.

In addition to this year's regular presentations, a special session will be held with presentations from the three finalists of the 2016 David Martell Student Paper Prize in Forestry.

If you would like to join the Forestry SIG, please contact Claudia Cambero at: claudia.cambero@fpinnovations.ca.

We look forward to seeing you in Banff.

CORS SECTIONS NEWS
Southwest Ontario

The Southwest Ontario chapter of CORS held SWORD 2015 on December 11 at Western University with attendees from University of Windsor, University of Waterloo, and Western University. The event started by a distinguished speaker talk by Prof. David Stanford on "Four Principles Every Health Care Professional Should Know About Congestion and Queueing" and was followed by three talks by Felipe Rodrigues "Level 2 bed planning in the London Health Sciences Center: A simulation model for step-down bed capacity planning based in patient NEMS scores", Yangzi Jiang "Analysis of the MRI Waiting Time in Ontario", and Na Li "Optimization of APQs".

MEETINGS AND CONFERENCES

CORS Business Meetings

June 17, 2015	CORS Council Meeting, Montreal, QC
August 21, 2015	CORS Council Meeting, Teleconference
November 27, 2015	CORS Council Meeting, Teleconference
January 22, 2016	CORS Council Meeting, Toronto, ON
March 18, 2016	CORS Council Meeting, Teleconference
April 22, 2016	CORS Financial Planning Committee Meeting
May 6, 2016	CORS Council Meeting, Teleconference
May 29, 2016	CORS Council Meeting, Banff, AB
May 30, 2016	CORS Council Meeting, Banff, AB
May 31, 2016	CORS Annual General Meeting, Banff, AB

CORS Annual Conferences

May 30–June 1, 2016	CORS Annual Conference, Banff, AB
July 17–21, 2017	CORS/IFORS Conference, Quebec City, QC
2018	CORS Annual Conference, Halifax, NS

WWW Conference Listings

CORS Conference Page: http://www.cors.ca/en/conferences/i_other.php

INFORMS Conference Home Page: http://www.informs.org/Conf/Conf.html

IFORS Conferences: http://www.ifors.org/panorama/conferences/index.shtml

Netlib Conferences Database: http://www.netlib.org/confdb/Conferences.html

SIAM Conference Home Page: http://www.siam.org/meetings/calendar.php

POMS Conference Page: http://www.poms.org/conferences/

THE NEXT ISSUE

The next issue of the Bulletin is scheduled to appear in May. Along with the regular features and news from the local sections, it will contain more information about the next CORS conference. Contributions to this issue, especially news on the activities of local sections or CORS members, should be submitted by **April 22, 2016** to:

Andrea Friars
Editor, CORS Bulletin
11 Sawgrass Drive
Oakfield, NS B2T 0G1
Phone: 902-895-8430 ext. 3236
Email: AndreaFriars@gmail.com

The preferred method of submission is by an MS-Word attachment to an email.

CORS BULLETIN TRANSLATION POLICY

Items that are CORS business will be translated into English and French. All other items will be published in the language they are submitted in.

CORS BULLETIN ADVERTISING POLICY

Ads cost $120 per page, proportional for fractional pages. Logos and prepared layouts can be accommodated. This fee also includes distribution of the advertisement on the CORS ListServ. Direct inquiries to the Editor.

CORS LISTSERV

As a benefit of membership, members may use the CORS ListServ to transmit messages, announcements, and job postings to the entire membership or to a targeted subgroup such as a local section. For example, you can send
- messages regarding the activities and business of the society;
- announcements about conferences, conference sessions, special journal issues, seminars or other activities provided that these are related to operational research in its broadest sense;
- job postings of general interest to CORS members.

The ListServ is not used for commercial purposes, and all messages are vetted before they are sent out. To submit items to the ListServ, email CORS Membership Services at membershipservices@cors.ca

For non-members, a fee of $60 is charged for the distribution of job postings and other announcements or messages of interest to the CORS membership.

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The **Canadian Operational Research Society** was founded in 1958. Its goal is to advance the theory and practice of OR and to stimulate and promote contacts between people interested in the subject.

Publications: A quarterly scientific journal called *INFOR* and a news *Bulletin*.

Meetings: An annual national conference with an award ceremony, occasionally organized jointly with an international society (IFORS, INFORMS), and numerous local events organized by local sections.

Local Sections: CORS has twelve local sections located throughout Canada and two student sections.

Awards and Prizes: CORS presents the following annual awards and prizes at its annual conference:

> **Award of Merit** for significant contributions of a present or past member of CORS to the profession of OR.
> **Harold Larnder Memorial Award** to an individual who has achieved international distinction in OR.
> **Omond Solandt Award** to an organization, private or governmental, that is deemed to have made an outstanding contribution to OR in Canada.
> **Practice Prize** for the challenging application of the OR approach to the solution of applied problems.
> **Service Award** for outstanding contributions of time and service to the society.
> **Student Paper Competition** to recognize the contribution of a paper either directly to the field of OR through the development of methodology or to another field through the application of OR.

Graduate Student Funding: CORS encourages attendance of graduate students at its annual conference by providing partial funding. Visit CORS website for details.

CORS Diploma: This diploma is awarded to students graduating from a university curriculum comprising several OR courses. Criteria may be found on the CORS website.

Membership Directory: An online directory of CORS members is available as a membership benefit.

To join CORS: Go to the CORS website (www.cors.ca) and join online by credit card using the form found under membership or complete the PDF application form found on the CORS website and mail it with payment to the address below.

Fees: Member $110; Retired Member $55; Student Member (including post-doctoral fellows) $45

Website: http://www.cors.ca

LinkedIn : https://www.linkedin.com/company/canadian-operational-research-society