



CORS · SCRO

Canadian Operational Research Society

Société canadienne de recherche opérationnelle

The
Bulletin

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IN THIS ISSUE

Bulletin Editor, Andrea Friars

Dear CORS members,

This issue begins with the president's message in which Peter shares many updates and changes on behalf of the CORS council.

The 2023 conference planning is well underway and this issue points you to the website where you can get the latest details as they become available. The bulletin also has information on how to apply for funding to help with CORS related travel for the conference and otherwise.

Lastly, you'll find the calls for award nominations and competition submissions, including important deadlines to keep in mind. Please consider nominating a standout member or organization and encourage your students and peers to take part in the competitions.

Cheers,

Andrea

Elected Officers

President
Vice President
Past President
Secretary
Treasurer
Councillors

Peter Vanberkel
Samira Abbasgholizadeh-Rahimi
Jules Comeau
Marko Bijvank
Gregory Paradis
Nadia Lahrichi (21–23)
Masoud Chitsaz (21–23)
Sibel Alumur Alev (22–24)
Houra Mahmoudzadeh (22–24)

Standing Committees

Awards
Education
Membership
Program

Public Relations
Publications
Special Interest Groups

Samira Abbasgholizadeh-Rahimi
Nadia Lahrichi
Gregory Paradis
Samira Abbasgholizadeh-Rahimi
Taraneh Sowlati, Nadia Lahrichi
Sibel Alumur Alev
Joe Naoum-Sawaya, Andrea Friars
Sibel Almur Alev, Peter Vanberkel
Houra Mahmoudzadeh
Samira Abbasgholizadeh-Rahimi
Jules Comeau, Peter Vanberkel
past presidents

Past Presidents Advisory
Board

Ad hoc Committees

Practice Prize
Award of Merit

Student Paper Competition

Financial Planning

Accounting System Project
Industry
Micro Events

Equity, Diversity, Inclusivity

Students

Nominating
INFOR Editor
Travelling Speakers Program
IFORS Representative

Antoine Legrain
Jules Comeau, Mikael Rönnqvist
Louis-Martin Rousseau
Tamon Stephen (Open)
André Ciré (Undergraduate)
Gregory Paradis, Jules Comeau
Peter Vanberkel
Samira Abbasgholizadeh-Rahimi
Gregory Paradis, Jules Comeau
Masoud Chitsaz
Marco Bijvank, Masoud Chitsaz
Houra Mahmoudzadeh
Samira Abbasgholizadeh-Rahimi
Peter Vanberkel (co-chairs)
Sibel Alumur Alev, Gregory Paradis
Houra Mahmoudzadeh
Peter Vanberkel, Jules Comeau
Nadia Lahrichi
Jules Comeau
Joe Naoum-Sawaya
Jules Comeau
Marco Bijvank

CORS COUNCIL

CORS Council consists of the officers of the society, four councillors, the immediate past president, and the standing committee chairs. Contact information for council representatives is below. See www.cors.ca for a complete listing.

President	Peter Vanberkel, Dalhousie University, president@cors.ca
Vice President	Samira Abbasgholizadeh-Rahimi, McGill University, vicepresident@cors.ca
Secretary	Marco Bijvank, University of Calgary, secretary@cors.ca
Treasurer	Gregory Paradis, University of British Columbia, treasurer@cors.ca
Past-President	Jules Comeau, Université de Moncton, pastpresident@cors.ca
Councillor (2021–2023)	Nadia Lahrichi, Polytechnique Montréal, nadia.lahrichi@polymtl.ca
Councillor (2021–2023)	Masoud Chitsaz, Kinaxis, mchitsaz@kinaxis.com
Councillor (2022–2024)	Sibel Alumur Alev, University of Waterloo, sibel.alumur@uwaterloo.ca
Councillor (2022–2024)	Houra Mahmoudzadeh, University of Waterloo, houra.mahmoudzadeh@uwaterloo.ca

SECTION AND CHAPTER PRESIDENTS

Atlantic	Claver Diallo, Dalhousie University, claver.diallo@dal.ca
Quebec & Quebec Student	Irène Abi-Zeid, Université Laval, irene.abi-zeid@osd.ulaval.ca
Montreal	Nadia Lahrichi, Polytechnique Montréal, nadia.lahrichi@polymtl.ca
Ottawa	Dragos Calitoiu, Carleton University, calitoiu@math.carleton.ca
Kingston	Mohan Chaudhry, Royal Military College of Canada, chaudhry-ml@rmc.ca
Toronto	Hassan Anis, University of Toronto, hassan.anis@mail.utoronto.ca
Southwest Ontario	Joe Naoum-Sawaya, Western University, jnaoum-sawaya@ivey.ca
Saskatoon	Hamed Samarghandi, University of Saskatchewan, samarghandi@edwards.usask.ca
Calgary	Marco Bijvank, University of Calgary, secretary@cors.ca
Edmonton	Armann Ingolfsson, University of Alberta, armann.ingolfsson@ualberta.ca
Vancouver	Gregory Paradis, University of British Columbia, 0@01101.io
Waterloo Student	Kiefer Joe Burgess, University of Waterloo, kjburgess@uwaterloo.ca
Montreal Student	Başak Tozlu, Concordia University, basaktozlu@gmail.com
Toronto Student	Moira MacNeil, University of Toronto, m.macneil@mail.utoronto.ca
Hamilton Student	Si Liu, McMaster University, lius278@mcmaster.ca
Okanagan Student	Amirhossein Salami, UBC Okanagan, ahsalami@mail.ubc.ca

PRESIDENT'S MESSAGE

Dear Colleagues,

I hope everyone is adjusting well as the leaves change and the cool weather sets in. As I mentioned in the last bulletin, Council has prioritised initiatives to support a number of areas: Micro-events, Special Interest Groups, students, accounting system updates, our journal, and equity, diversity, and inclusion. This update is all about our Special Interest Groups. We are proud to have launched two new SIGs, we have a newly renamed SIG, and council has allocated funds to support SIG functions. Thanks to SIG committee chair Sibel Alumur Alev for championing these initiatives.

I'm happy to share on behalf of Council, the founding of a new Special Interest Group on **Teaching and Learning**. The main research interests for the Teaching and Learning SIG pertain to pedagogical design of analytics-related topics and teaching materials in higher education, and their impact on instructor effectiveness and student learning and engagement. Thank-you to founding president Tiffany Bayley and the 61 founding members for bringing this SIG to CORS/SCRO.



The second new Special Interest Group is for **Transportation and Logistics**. The main research interests for this SIG are topics related to transportation science and logistics including current and potential problems and contributions to their solutions to extend, unify, and integrate knowledge and practice. Thank-you to founding president Sibel Alumur Alev and the 28 founding members.

As reported in the last bulletin, the name of the Queueing SIG has officially been changed to the **Queuing and Applied Probability** SIG. The name change aims to encompass emerging areas such as random graphs, statistical learning, simulation, etc., and potentially attract more scholars to this SIG. Thank-you to Yichuan Ding for leading this change with the support of SIG membership.

Last but certainly not least, Council approved a motion and policy to allocate \$1,000 annually to each SIG. The objective is to provide financial support to undertake activities that will strengthen the SIG communities and the overall CORS/SCRO community. These activities are to be open to all SIG members and reasonable efforts should be made to ensure maximum participation. When possible, CORS/SCRO members interested in the SIG should be included even if they are not currently SIG members.

Our next council meeting will be in-person, in Montreal, in November. This is the only in-person council meeting outside of the annual conference and is the first in-person council meeting in two years (due to COVID). This is also the first to be held in Montreal since 2010. Returning to Montreal feels overdue and will give Council a chance to see firsthand the planning and preparations for CORS 2023 to be held in Montreal. This will also be our first council meeting to include a student representative.

Peter



ANNOUNCEMENTS

CORS/Optimization Days Conference 29–31 May 2023, Montreal, QC

We now have the names of the plenaries, and the information will be on the website shortly. Please see the website: <http://www.symposia.cirrelt.ca/CORS-JOPT>

CORS Membership

The CORS website is ready to accept payment of membership fees for the upcoming year **April 2023–March 2024** for those who want to renew before the end of the year. Renewal details will be emailed to members in January. You may be able to use an NSERC grant to pay membership dues.

Please renew your membership at (http://www.cors.ca/sites/cors_php/en/membership/renewal.php). For more information, please email members@cors.ca

Council Corner

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

- **Motion:** That CORS/SCRO purchase directors and officer's insurance.
- **Motion:** That the name of "Queueing Special Interest Group (SIG)" to "Queueing and Applied Probability Special Interest Group (SIG)"
- **Motion:** That council adopts the SIG Funding policy which allocates \$1,000 annually to each Special Interest Group.
- **Motion:** To found a Special Interest Group (SIG) within CORS on Transportation and Logistics
- **Motion:** To found a Special Interest Group (SIG) within CORS on Teaching and Learning
- **Motion:** That a non-voting graduate student representative is selected and invited to council meetings.

Traveling Speakers Program (TSP)

<https://cors.ca/?q=content/traveling-speakers-program>

The Traveling Speakers Program (TSP) enables local sections to bring O.R. practitioners / researchers in Canada 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. The president of the local section must contact the TSP Coordinator to obtain approval for funding at least one month in advance of the event date.

The president of the local section fills out the application form (<http://www.cors.ca/sites/default/files/documents/tsp.pdf>) and submits the form to the **TSP Coordinator, Jules Comeau (pastpresident@cors.ca)**



Graduate Student Funding to Attend CORS Conferences

Description

CORS partially funds graduate students attending CORS annual meetings.

Eligibility

The candidate must be:

- a Student Member of CORS
- enrolled in a graduate program in a field related to operational research
- studying at a Canadian university or a Canadian citizen or permanent resident studying abroad
- student must attend the conference and present their registration receipt to receive any funding.

Selection Considerations

The following criteria are to be used to determine the amount awarded to each eligible applicant:

- Whether the applicant is presenting a paper at the conference.
- Travel cost from student's home city to the conference.

Application Process

The application form for funding is available on the CORS website. Applications must be received at least two months before the conference date to receive full consideration. Applicants who meet this deadline will be notified at least one month before the conference date whether their application was successful.

Administration of Funding

The CORS Education Chair determines who will receive funding and the amount of the award. The CORS Treasurer administers the distribution of funds after receiving confirmation that the student attended the conference.

New Reimbursement Process

Students must submit proof they attended the conference (e.g., boarding pass, selfie at conference site) within 30 days of the Annual CORS Conference to (treasurer@cors.ca) and must copy their supervisors on the email. The CORS Treasurer administers the distribution of funds after receiving confirmation that the student attended the conference and will notify the student's supervisor.

**Please submit applications by 31 March 2023 to
CORS Education Chair, Nadia Lahrichi (nadia.lahrichi@polymtl.ca)**

CORS AWARDS: CALL FOR NOMINATIONS

OMOND SOLANDT AWARD

Description

The Omond Solandt Award is presented to an organization, private or governmental, that is deemed to have made an outstanding contribution to Operational Research in Canada. Dr. Solandt was the founder and first chairman of the Defence Research Board (DRB). At various times in his life he headed the Science Council of Canada was a vice-chairman of Canadian National Railways (CNR), and Chancellor of the University of Toronto.

Selection Considerations

It is the responsibility of the Awards Committee, with input from the Local Conference Organizing Committee, to select the recipient of the Solandt Award. Where possible, the nominee is a local organization, or a regional or national organization that is significant to the local area. To nominate a company for the award, please email the company's name, headquarters location (city, country), and a brief statement supporting the nomination. Please also provide a contact person within the company if possible.

**Please submit nominations by 17 January 2023 to
CORS Awards Committee Chair, Samira Abbasgholizadeh-Rahimi (vicepresident@cors.ca)**

AWARD OF MERIT

Description

The Award of Merit is presented annually to a current or past member of CORS in recognition of significant contributions to the profession of operational research.

Selection Criteria

Significant contributions to the profession of OR can include:

- being specially recognized as an operational research practitioner;
- the development of a methodology relevant to the use of operational research;
- the supervision and development of operational research competence in others;
- the promotion of operational research in Canada through talks, presentations, articles, books, or by other means.
- service to CORS at either the national or local level.

**Please submit nominations by 6 March 2023 to
CORS Award of Merit Chair, Jules Comeau (pastpresident@cors.ca)**



ELDON GUNN SERVICE AWARD

Description

The Eldon Gunn Service Award is presented to members of the society who have made outstanding contributions of time and service to the society, at the national or local level, as conference organizers or as editors of CORS publications. Eldon Gunn was a major contributor to the society since the early 1980s and to operational research in Canada since the 1970s. He was one of the first recipients of the Service Award in 1987 after serving on council and acting as conference chair for the 27th annual conference in Halifax in 1985. He went on to serve as president of the society in 1991 and continued his service with passion up until his passing in 2016.

If you know of anyone who has dedicated their time to CORS and who has a longstanding service record, please consider nominating him or her for the Eldon Gunn Service Award. CORS Council urges all local sections to consider and nominate their best candidates. Nominations should include the candidate's name, activities, positions and corresponding years of service. The Awards Committee will evaluate the submissions and bring forward potential recipients to Council for approval. Nominees will be evaluated based on a point system. As a guideline, winners should have 2000 or more points. Previous winners are not eligible for additional service awards. A list of past recipients can be found at www.cors.ca

**Please submit nominations by 6 March 2023 to
CORS Awards Committee Chair, Samira Abbasgholizadeh-Rahimi (vicepresident@cors.ca)**

POINT SYSTEM

Responsibility	Points	Responsibility	Points
CORS Council		Publications	
President	500	Bulletin Editor	200
Vice-President	350	INFOR Editor	350
Secretary	300	INFOR Special Issue	250
Treasurer	300	Others	150
Councillor	250		
Appointed Member	200	Local Council	
Past President	250	President	250
		Vice-President	175
International Conference		Secretary	150
Conference Chair	350	Treasurer	150
Committee Chair	300	Others	100
Committee Member	200	Past President	100
National Conference			
Conference Chair	300		
Committee Chair	250		
Committee Member	200		



CORS COMPETITIONS

PRACTICE PRIZE COMPETITION

Description: 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 26 February 2023 applicants must submit e-copies of the following to the **Chair of the Practice Prize Committee Antoine Legrain** (antoine.legrain@polymtl.ca):

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 e-mail addresses of all authors and of at least one executive of the client organization.

By 2 April 2023 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 implementation of the results.
3. The impact on the client organization.

By 7 May 2023 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 focusing on the challenges and results.
2. Submit a one-page project summary including key messages and best practices, 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.

Based on 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.

STUDENT PAPER COMPETITION

Description

Each year CORS 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.

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 **2022–2023**. Canadians who are studying outside of Canada are also eligible. Papers where all applicants are undergraduates may be submitted to either category: Open or Undergraduate, but not to both. Papers where some authors are graduate students must be submitted to the Open category. MBA students (and other specialized master students) must submit to the Open category with their applied projects. Published papers are eligible for the competition only if their initial submission date (for publication) is after the previous year's CORS Annual Conference.

Supervisors and industry partners may appear as coauthors on the paper, but the first authors must be the applicants. The applicants must have made substantial contribution to the project and have written the paper with only minor editorial assistance. If the paper includes such non-student authors, the supervisor should include information about the roles of the various authors when confirming the eligibility of the students.

All competitors should apply for CORS student funding by the deadline, in case they become a finalist.

Open Category

Chair Tamon Stephen (spc@cors.ca)

Undergraduate Category

Chair André Ciré (spc@cors.ca)

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 team is planning to attend the CORS Annual Conference if selected as Finalists. Note that papers selected as Finalists must be presented at the conference to further be considered for First Prize or Honourable Mention.
4. 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.
 - The submitted paper must not contain any information identifying the authors or their institutions.
5. An email from the supervisor indicating that the participant is the first author of the paper should be sent to the Competition Chair.

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

- Prizes are awarded per paper. Cheques are sent to the first authors (unless otherwise specified), and allocation of prize money is up to the co-authors.
- Open Category: First Prize \$500, Honorable Mention \$100. One award per team.
- Undergraduate Category: First Prize \$200, Honorable Mention \$50. One award per team.
- All papers selected as Finalists receive a certificate.
- If an undergraduate student wins the open competition, no undergraduate prize will be awarded. Honourable mentions will be provided if there is no winner.



CORS SPECIAL INTEREST GROUPS

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.

Analytics SIG

Gregory Paradis, cors.analytics.sig@01101.io
University of British Columbia
www.cors.ca/SIG/Analytics

Forestry SIG

Foroogh Abasian, foroogh.abasian@fpinnovations.ca
FPInnovations
www.cors.ca/SIG/Forestry

Health Care Operational Research SIG

Valérie Bélanger, valerie.3.belanger@hec.ca
HEC Montréal
www.cors.ca/SIG/HCOR

Queueing and Applied Probability SIG

Yichuan Ding, daniel.ding@mcgill.ca
McGill University
www.cors.ca/SIG/Queueing

Teaching and Learning SIG

Tiffany Bayley, tbayley@ivey.ca
Ivey Business School
www.cors.ca/SIG/Teaching

Transportation and Logistics SIG

Sibel Alumur Alev, sibel.alumur@uwaterloo.ca
University of Waterloo
www.cors.ca/SIG/Transportation

If you would like to join a SIG, contact the people listed above, or indicate 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 can be found online at www.cors.ca/?q=content/communities

**If you are interested in forming a SIG in a particular area, contact:
Samira Abbasgholizadeh-Rahimi (vicepresident@cors.ca)**

Queueing and Applied Probability SIG

At the meeting on Friday September 16, 2022, the CORS Council passed the motion submitted by Prof. Yichuan Ding, the President of the Queueing SIG, that changes the name of "Queueing Special Interest Group (SIG)" to "Queueing and Applied Probability Special Interest Group (SIG)".



MEETINGS AND CONFERENCES

CORS Business Meetings

8 June 2022	Meeting #1, Vancouver
16 Sep 2022	Meeting #2, Teleconference
18 Nov 2022	Meeting #3, Montreal
20 Jan 2023	Meeting #4, Teleconference
17 Mar 2023	Meeting #5, Teleconference
21 Apr 2023	Meeting #6, Teleconference, Financial Planning Committee
28 May 2023	Meeting #7, Montreal
29 May 2023	Meeting #8, Montreal, SIGs, Sections, Chapters
30 May 2023	Meeting #9, Montreal, CORS AGM

CORS Annual Conferences

29–31 May 2023	Annual Conference, Joint with Optimization Days, Montreal, QC
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WWW Conference Listings

CORS: www.cors.ca/?q=content/cors-annual-conferences

INFORMS: <https://www.informs.org/Meetings-Conferences>

IFORS: www.ifors.org/web

Netlib Conference Database: <ftp://ftp.cc.ac.cn/netlib/confdb/Conferences.html>

SIAM: www.siam.org/meetings/calendar.php

POMS: <https://pomsmeetings.org>

EURO: www.euro-online.org/web/pages/460/calendar

THE NEXT ISSUE

The next issue of the Bulletin will be published in **February**. Contributions to this issue, especially news on the activities of local sections or CORS members, should be submitted by **20 January 2023** to:

Andrea Friars
Editor, CORS Bulletin
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 Mailing List. Direct inquiries to the Editor.

CORS MAILING LIST

As a benefit of membership, members may use the CORS Mailing List 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 if these are related to operational research in its broadest sense
- job postings of general interest to CORS members

The Mailing List is not used for commercial purposes, and all messages are vetted before they are sent out. To submit items to the Mailing List, please email members@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.



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 & Chapters: CORS has twelve local sections located throughout Canada and six student chapters.

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

Award of Merit for significant contributions of a present or past member of CORS to the profession of OR.

Harold Larnder 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.

Eldon Gunn 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 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 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 \$45 (including post-doctoral fellows)

Website: www.cors.ca

INFOR: www.tandfonline.com/loi/tinf20

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

Twitter: @CORS_President