CORS·SCRO

Canadian Operational Research Society

Société canadienne de recherche opérationnelle

The Bulletin

TABLE OF CONTENTS   PAGE

IN THIS ISSUE

Dear CORS/SCRO members,

If you are a regular reader of our French bulletin, you will notice that we have introduced two initiatives as part of our commitment to Equity, Diversity and Inclusion. Firstly, the adoption of gender-inclusive writing, to ensure that all of our members feel equally represented in the pages of the bulletin. And secondly, a reinterpretation of the bulletin translation policy, to translate 100% of the CORS/SCRO content into French. I am very excited to announce these changes and I hope they are well received by our membership. Please don't hesitate to contact me with feedback or questions as we navigate this change together.

Secondly, we hear from our outgoing president, Peter VanBerkel, whose joint efforts with the council has left the position of CORS/SCRO president in better shape than he found it. We also welcome the new president for 23–34, Samira Abbasgholizadeh-Rahimi. Samira has exciting plans for the society and I'm looking forward to the year ahead.

Lastly, we enjoyed a wonderful CORS/SCRO conference in Montreal this year, and you can read all about the award winners and competition winners from the event.

I wish you all a pleasant rest of your summer.

Cheers,

Andrea

CORS Council

President	Samira Abbasgholizadeh-Rahimi
Vice President	Anjali Awasthi
Secretary	Majid Taghavi
Treasurer	Gregory Paradis
Past President	Peter Vanberkel
Councillors	Sibel Alumur Alev (22–24)
	Houra Mahmoudzadeh (22–24)
	Masoud Chitsaz (23–25)
	Saied Samiedaluie (23–25)
Student Councillor	Moira MacNeil
Standing Committee Chairs	Nadia Lahrichi, Joe Naoum-Sawaya

Standing Committees

Awards	Anjali Awasthi
Equity, Diversity, Inclusivity	Samira Abbasgholizadeh-Rahimi
	Peter Vanberkel (co-chairs)
	Moira MacNeil, Anjali Awasthi
Education and Student Affairs	Nadia Lahrichi
Membership	Saied Samiedaluie
Past Presidents Advisory Board	Peter Vanberkel
	Samira Abbasgholizadeh-Rahimi
Program	Anjali Awasthi
	Nadia Lahrichi, Fredrik Odegaard
Public Relations	Sibel Alumur Alev, Felipe Rodrigues
Publications	Joe Naoum-Sawaya, Andrea Friars
	Sibel Alumur Alev
SIG Relations	Sibel Alumur Alev, Saied Samiedaluie
	Houra Mahmoudzadeh
	Samira Abbasgholizadeh-Rahimi

Ad-Hoc Committees

Practice Prize	Antoine Legrain
Student Paper Competition	Tamon Stephen (Open)
	Andre Cire (Undergraduate)
Award of Merit	Peter Vanberkel, Taraneh Sowlati
	Louis-Martin Rousseau
Execution of Accounting System	Jules Comeau, Gregory Paradis
	Peter Vanberkel
Financial Planning	Gregory Paradis, Peter Vanberkel
	Samira Abbasgholizadeh-Rahimi
	Anjali Awasthi
Industry	Masoud Chitsaz
	Samira Abbasgholizadeh-Rahimi
Micro Events	Majid Taghavi
	Houra Mahmoudzadeh, Masoud Chitsaz
	Saied Samiedaluie, Sibel Alumur Alev
Nominating	Peter Vanberkel
Students	Houra Mahmoudzadeh
	Samira Abbasgholizadeh-Rahimi
	Nadia Lahrichi, Moira MacNeil
Traveling Speaker's Program	Peter Vanberkel

Appointed Positions

INFOR Editor	Joe Naoum-Sawaya
Bulletin Editor	Andrea Friars
IFORS Representative	Majid Taghavi

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 the CORS website for a complete listing.

President	Samira Abbasgholizadeh-Rahimi, McGill University, president@cors.ca
Vice President	Anjali Awasthi, Concordia University, vicepresident@cors.ca
Secretary	Majid Taghavi, Saint Mary's University, secretary@cors.ca
Treasurer	Gregory Paradis, University of British Columbia, treasurer@cors.ca
Past President	Peter Vanberkel, Dalhousie University, pastpresident@cors.ca
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
Councillor (2023–2025)	Masoud Chitsaz, Kinaxis, mchitsaz@kinaxis.com
Councillor (2023–2025)	Saied Samiedaluie, University of Alberta, samiedal@ualberta.ca
Student Councillor	Moira MacNeil, University of Toronto, m.macneil@mail.utoronto.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	Mohammad Mosaffa, UBC Okanagan, mohammad.mosaffa@ubc.ca

CHANGES TO COUNCIL & COMMITTEES

Post	Previous	New
Council		
President	Peter Vanberkel	Samira Abbasgholizadeh-Rahimi
Vice-President	Samira Abbasgholizadeh-Rahimi	Anjali Awasthi
Secretary	Marco Bijvank	Majid Taghavi
Past-President	Jules Comeau	Peter Vanberkel
Councillors	Nadia Lahrichi (21–23) Masoud Chitsaz (21–23)	Masoud Chitsaz (23–25) Saied Samiedaluie (23–25)
Standing Committees		
Awards	Samira Abbasgholizadeh-Rahimi	Anjali Awasthi
Equity, Diversity, Inclusivity	Sibel Alumur Alev, Gregory Paradis	Moira MacNeil, Anjali Awasthi
Membership	Gregory Paradis	Saied Samiedaluie
Past Presidents Advisory	Jules Comeau	Peter Vanberkel Samira Abbasgholizadeh-Rahimi
Program	Samira Abbasgholizadeh-Rahimi	Anjali Awasthi, Nadia Lahrichi Fredrik Odegaard
Public Relations		Felipe Rodrigues
Publications		Sibel Alumur Alev
SIG Relations	Peter Vanberkel	Saied Samiedaluie
Ad hoc Committees		
Award of Merit	Jules Comeau, David Stanford	Peter Vanberkel, Taraneh Sowlati
Execution of Accounting System		Jules Comeau, Gregory Paradis Peter Vanberkel
Financial Planning		Peter Vanberkel, Anjali Awasthi Samira Abbasgholizadeh-Rahimi
Industry		Samira Abbasgholizadeh-Rahimi
Micro Events	Marco Bijvank	Majid Taghavi, Saied Samiedaluie, Sibel Alumur Alev
Nominating	Jules Comeau	Peter Vanberkel
Students	Peter Vanberkel, Jules Comeau	Samira Abbasgholizadeh-Rahimi Moira MacNeil
Travelling Speakers Program	Jules Comeau	Peter Vanberkel
IFORS Representative	Marco Bijvank	Majid Taghavi

OUTGOING PRESIDENT'S MESSAGE

I started my first CORS/SCRO Bulletin last fall boasting that I inherited a dream team Council and they did not disappoint. I want to thank Council wholeheartedly for all their efforts this year. I left Vancouver, my first in-person conference since COVID, with lots of energy for CORS/SCRO and in hindsight, at least a little bit overzealous. Council put up with my excitement and energy and we got a lot done. Some highlights for me include:

- Founding a Special Interest Group (SIG) for Transportation and Logistics led by Sibel Alumur Alev

- Founding a SIG for Teaching and Learning led by Tiffany Bayley

- Bringing Student rep Moira MacNeil on Council informally, and then working with her and Houra Mahmoudzadeh to update our bylaws to permanently include a Student Councillor

- Including three student focused workshops as part of the scientific program for CORS/SCRO 2023 (thanks to Tiffany Bayley, Moira MacNeil, and Houra Mahmoudzadeh)

- Signing a new contract with Taylor & Francis (thanks to Joe Naoum-Sawaya)

- Publishing an Equity, Diversity, and Inclusion (EDI) statement for CORS, making efforts to make decisions with an EDI lens, and setting aside funds in next year's budget for EDI initiatives (thanks to Samira Abbasgholizadeh Rahimi)

- Updating our CORS/SCRO Bulletin practice to publish the complete bulletin in French (thanks to Andrea Friars)

- Purchasing Directors & Officers Liability Insurance and Commercial General Liability Insurance to align our insurance coverage with similar not-for-profit organizations and to protect Society Officers and the Society as we host events.

- Launching our new accounting system to streamline our processes, improve our reporting and accountability, and modernize our financial transactions. Although the new accounting system went live this year, it has been a multi-year initiative and is the result of the tireless efforts of Gregory Paradis and Jules Comeau.

- CORS/SCRO 2023 and JOPT 2023: I want to thank Nadia Lahrichi and Nadia Lehoux for organizing CORS/SCRO 2023 jointly with JOPT 2023. The talks, the location, the events, and even the weather were spectacular. It's a lot of work to put together a conference, especially a joint conference where each group has their unique traditions that need consideration. I think they pulled this off masterfully (and who didn't love to see a Wine and Cheese event added to the CORS/SCRO conference?). And 600+ attendees!

Our overall membership numbers are up, and the number of new members is up. All INFOR journal metrics are up. Student involvement with CORS/SCRO is up. SIG activities are up. I think it is safe to say that CORS/SCRO is in a period of growth. Thank you to everyone on Council and in CORS/SCRO who contributed to making this a great year.
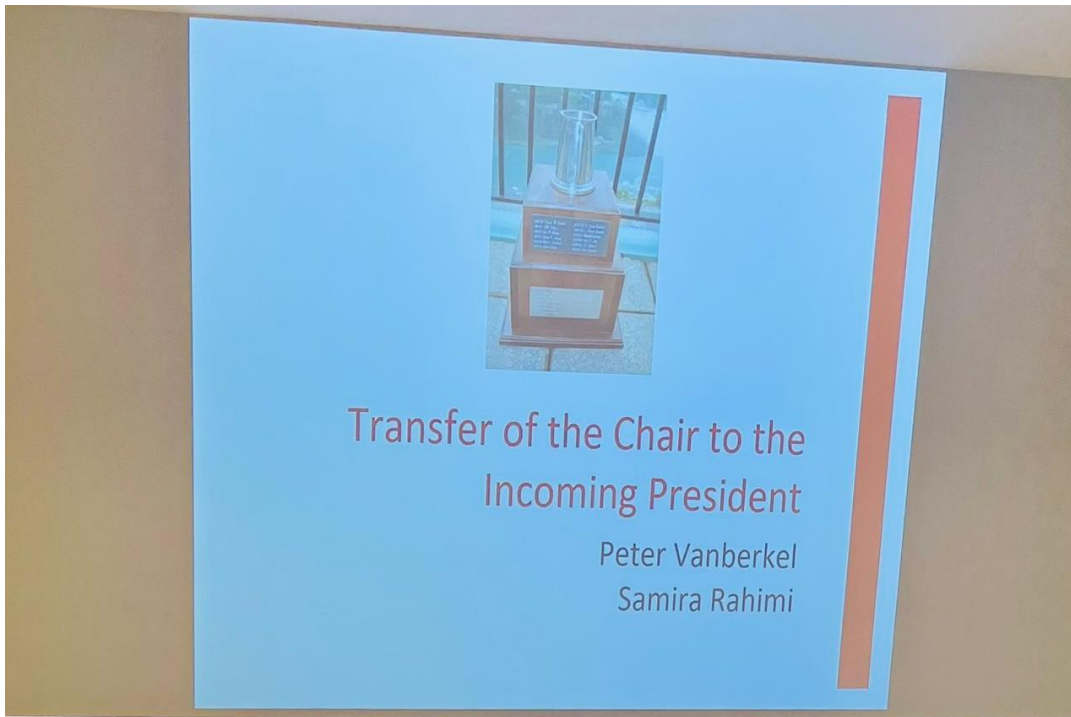
Council is saying goodbye this year to Marco Bijvank and Jules Comeau*. Marco was Council secretary for four years and, among other things, helped conference organizers navigate through COVID uncertainty. This was particularly challenging during the 2020, 2021, and 2022 conference years. Jules has an asterisk beside his name because as outgoing past president his Council term is officially over. We have however convinced him to stay on Council to see the new accounting system through a complete fiscal year. Like Marco, Jules also saw CORS/SCRO through the tumultuous COVID years and still found time to work with Greg on reinventing our accounting system.

I want to encourage members to get involved with CORS/SCRO Council. For those that don't know, Council is the governing body of the Society and we keep the lights on following the admin handbook and our founders' constitution. We also take on initiatives to improve the Society and to benefit our members. It's an honour to serve in this way, and it is also fun. It's a great way to connect with other members and work together with committed people on common goals. Every year that I've been on Council I've met a dozen or so people that I otherwise would not have, and many remain good friends. There are lots of ways to be involved, and I encourage you consider it. If you would like to know more, please contact me or visit www.cors.ca

The Rivett cup made the trek from Halifax to Montreal, and I documented the journey on Twitter (@CORS_President). I left it with Samira Abbasgholizadeh Rahimi who is well underway as President of the 2023/24 CORS/SCRO Council. I've already said a number of times, "Why didn't I think of that?" Council and the Society are in good hands, and I look forward to seeing what this year brings.

It has been a privilege and a joy to serve as CORS/SCRO President and I'm honoured to be joining the illustrious group of CORS/SCRO Past Presidents. I'm already looking forward to seeing everyone in London for CORS/SCRO 2024 organized by Fredrik Odegaard and Tiffany Bayley.

Peter

INCOMING PRESIDENT'S MESSAGE

Dear CORS Members,

I'm happy to have the privilege of serving as the incoming President of our society. As I take on this role, I want to express my appreciation for the trust you have placed in me and express my commitment to advancing the mission and vision of CORS/SCRO in the coming years.

First, I'd like to acknowledge and celebrate our society and its members' outstanding accomplishments over the previous year. Looking ahead, I am excited to share my vision for CORS/SCRO. Equity, Diversity, and Inclusion are fundamental principles that shape our society and profession. CORS/SCRO has always been dedicated to creating a welcoming and inclusive community, and we will continue to build on that foundation. We will work on advancement of EDI initiatives in our society and strive to create an inclusive and welcoming environment where everyone feels valued, respected, and empowered to contribute their unique perspectives and experiences.

Furthermore, we are dedicated to offering professional development opportunities for our members. CORS/SCRO remains committed to providing a wide range of resources, including conferences, micro events, and training programs that enrich your skills and expand your knowledge in operational research. I strongly encourage you to actively participate, engage in knowledge exchange, and contribute to these activities.

Additionally, as we progress, it is crucial that we engage with and support the next generation of OR researchers. We will continue to develop activities aimed specifically at students and young professionals, such as mentorship programmes, scholarships, and networking events. I encourage experienced members to share their knowledge, guide aspiring researchers, and foster an environment of growth and development.

In closing, I eagerly anticipate the opportunity to connect and collaborate with each and every one of you. The future holds promising prospects for our society, and I'm excited about the opportunities that lie ahead for us as a society.

Yours sincerely,

Samira

ANNOUNCEMENTS

FUNDING OPPORTUNITIES

Traveling Speakers Program (TSP)

The Traveling Speakers Program (TSP) enables local sections to bring OR practitioners and 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. Payment will be made by the CORS Treasurer upon receipt of the Expense Form (WORD) or the Expense Form (PDF).

The president of the local section fills out the Application Form on the CORS website and submits the form to the **TSP Coordinator, Peter Vanberkel** (pastpresident@cors.ca)

Membership

It's time to renew your CORS membership until March 31, 2024. Your membership will be discontinued on October 1, 2023 if not paid.

You may be able to use an NSERC grant to pay membership dues for yourself and your graduate students. Please renew your membership on the CORS website. For more information, please email members@cors.ca

INFOR JOURNAL

Update on the Impact Factor of INFOR: Information Systems and Operational Research
Joe Naoum-Sawaya (Editor-in-Chief)

Clarivate recently released the 2022 journal impact factors. I am happy to report the increase in the Impact Factor (IF) of INFOR from 1.05 to 1.3.

Since 2019, the impact factors of all the journals have been affected by a change in how a journal's IF is calculated. The 2020–2021 IF for the majority of journals across all disciplines were higher than the trend following the inclusion of Early Access content (online publication before a paper is assigned to an issue) in the Journal Citation Reports. As a result, INFOR's 2020 impact factor increased to 1.59 (from 0.97 the year before). According to Clarivate, some journals were onboarded to the new impact factor in 2020 while the rest in 2021. While Clarivate did not indicate which journals were in each group, we believe that INFOR's IF calculation changed in 2020. Thus, while we were pleased to see INFOR's IF increase to 1.59 in 2020, this increase was overly positive, and the subsequent drop to 1.05 was expected following the adjustment in the IF calculation. We are happy to see the increase of INFOR's 2022 IF to 1.3 and we believe this is now more representative of the IF trend.

Prof. David Simchi-Levi and Prof. Tinglong Dai recently wrote a note to the INFORMS community on the impact of Clarivate's IF calculation change which provides a comprehensive explanation of the change and impact on the journals [1]. You can also refer to [2] for more details regarding the calculation of IF and the recent changes.

Besides the newly reported impact factor, all of INFOR's quality indicators are at all time high. Article downloads have increased by 92% since 2019. Article citations have increased by 25% since 2019. We are also happy to mention that the median time for first decision is currently 97 days (a decrease from ~200 days in 2019).

Finally, I would like to thank all of INFOR's area editors, associate editors, and referees for all their efforts to increase the quality and stature of INFOR in the community. I also would like to thank the authors for choosing INFOR as outlet for their research.

[1] D. Simchi-Levi and T. Dai, "Unraveling the Mystery of Impact-Factor Declines in Most of INFORMS Journals", https://connect.informs.org/discussion/unraveling-the-mystery-of-impact-factor-declines-in-most-of-informs-journals (accessed 21 July 2023)

[2] Clarivate, Journal Citation Reports Reference Guide, June 2023 https://clarivate.com/wp-content/uploads/dlm_uploads/2023/06/JCR-Reference-Guide-2023-1.pdf (accessed 21 July 2023)

2024 CORS ANNUAL CONFERENCE

Dear CORS Members,

The CORS Annual Conference in 2024 will be held in London, Ontario from Monday, June 3 to Wednesday, June 5, 2023.

The conference venue is the DoubleTree by Hilton Hotel in downtown London, steps away from the scenic Forks of the Thames, Victoria Park, Grand Theatre, Budweiser Gardens, Covent Garden Market, and many of London's finest restaurants and pubs. (For fans of The Notebook and the Beliebers out there, take a short bus ride to the hospital where Ryan Gosling, Rachel McAdams AND Justin Bieber were born!)

We look forward to seeing you in London, Ontario (remember, that's YXU when you're booking your flight!).

Fredrik Ødegaard, Conference Chair, Ivey Business School

Tiffany Bayley, Program Chair, Ivey Business School

DoubleTree by Hilton:

https://www.hilton.com/en/hotels/yxuksdt-doubletree-london-ontario/

Stay tuned for conference web-site with abstract submission and early registration deadlines.

2023 CORS AWARDS

Congratulations to the recipients of the awards and prizes. Special thanks to all the participants and judges. Details on CORS awards and prizes, including a list of past recipients, can be found on the CORS website.

Harold Larnder Prize	**Sophie D'Amours**
Omond Solandt Award	**IVADO**
CORS Award of Merit	**Taraneh Sowlati**
Eldon Gunn Service Award	**Michael Pavlin and Navneet Vidyarthi**

CORS Practice Prize

First Prize

Mikael Rönnqvist, Nazanin Sharif, Kaoutar Hajli (Université Laval)
Gurjeet Warya, Trung Ngo, Martin Brousseau, Brian Hatter (True North Marine)
Jean-François Audy (Université du Québec à Trois-Rivières), Jean-François Cordeau (HEC Montréal), Camélia Dadouchi (Polytechnique Montréal), Patrik Flisberg

"Weather Routing for Maritime Vessels"

Second Prize

Leandro Coelho Jacques Renaud, Khaled Belhassine (Université Laval)
Vincent Turgeon (Ville de Trois-Rivières)

"Real-time management of traffic lights — improving mobility and decreasing greenhouse gas emissions"

Honourable Mention

Timothy C. Y. Chan, Ian Yihang Zhu, Deborah O'Connor (University of Toronto)
Rachel Wong (Ontario Health)
Rafid Mahmood (University of Ottawa)
Debbie Stone (Rogers Hixon Ontario Human Milk Bank)
Sharon Unger (Roger Hixon Ontario Human Milk Bank, Sinai Health System, University of Toronto), Kate Wilkinson (Sinai Health System)

"Optimizing milk pools at the Rogers Hixon Ontario Human Milk Bank"

CORS Student Paper Competition Open Category

Winner
Setareh Farajollahzadeh (University of Toronto)
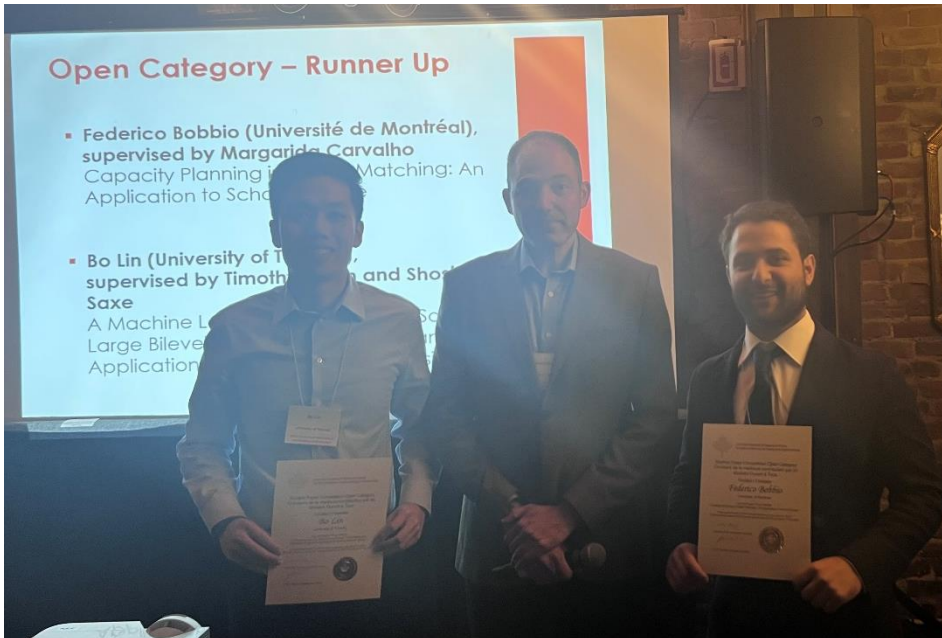"Learning Consumer Preferences from Bundle Sales Data"

Honourable Mention

Federico Bobbio (University of Montreal)
"Capacity Planning in Stable Matching: An Application to School Choice"

Bo Lin (University of Toronto)
"A Machine Learning Approach to Solving Large Bilevel and Stochastic Programs: Application to Cycling Network Design"

Finalist

Hamid Arzani (University of Waterloo and University of Toronto)
"Multi-Class Advance Patient Scheduling: A Data-Driven Robust Approach"

Chair
Tamon Stephen (Simon Fraser University)

Paper Judges
Hossein Abouee Mehrizi (Waterloo), Hamid Afshari (Dalhousie), Amir Ardestani-Jaafari (UBC Okanagan), Gohram Baloch (SFU), Chris Beck (Toronto), Maha Ben Ali (Polytechnique Montréal), Margarida Carvalho (Montreal), Timothy Chan (Toronto), Ningyuan Chen (Toronto), Andre Cire (Toronto/Rotman), Claver Diallo (Dalhousie), Daniel Ding (McGill), Issmail El Hallaoui (Polytechnique Montréal), Saeed Ghadimi (Waterloo), Alireza Ghasemi (Dalhousi), Warren Hare (UBC Okanagan), Ming Hu (Toronto/Rotman), Gabriel Jarry-Bolduc (UBC Okanagan), Elias Khalil (Toronto), Onur Kuzgunkaya (Concordia), Antoine Legrain (Polytechnique Montréal), Gonzalo Romero (Rotman), Sandy Rutherford (SFU), Ahmed Saif (Dalhousie), Steven Shechter (UBC Sauder), Waleed Yousef (Victoria)

CORS Student Paper Competition Undergraduate Category

Winner

Scholar Sun, Ernest Osei, Johnson Darko, Houra Mahmoudzadeh (University of Waterloo)

"A Time-Discretized Mathematical Model and Heuristic for Breast Cancer Radiotherapy"

Honourable Mention

Jenya Sourgaeva, Angelika Nowlan, Sanjay Alwani, Weiyi Liu (Simon Fraser University)
"Optimizing Product Allocation for Grocery E-Commerce Fulfillment"

Finalists

Jesse Stuparyk, Kyle Tadeo, Jake Park, Terry Jeong (Simon Fraser University)
"A simulation-optimization problem for the VCH's IPN program"

Rafael Campos (Laval University)
"Compact Formulations for the Robust Vehicle Routing Problem with Time Windows under Demand and Travel Time Uncertainty"

Rachael Walker (University of Toronto)
"Aiming for Competitive Balance: Developing Fair Handicap Systems for Darts using a Markov Decision Process Framework"

Chair
Andre Cire (University of Toronto Scarborough and Rotman School of Management)

Paper Judges
Aliaa Alnaggar (Toronto Metropolitan), Maciej Bukczynski (Alberta),Timothy Chan (Toronto), Adam Diamant (York), Houra Mahmoudzadeh (Waterloo), Thiago Serra (Bucknell), Tamon Stephen (Simon Fraser)
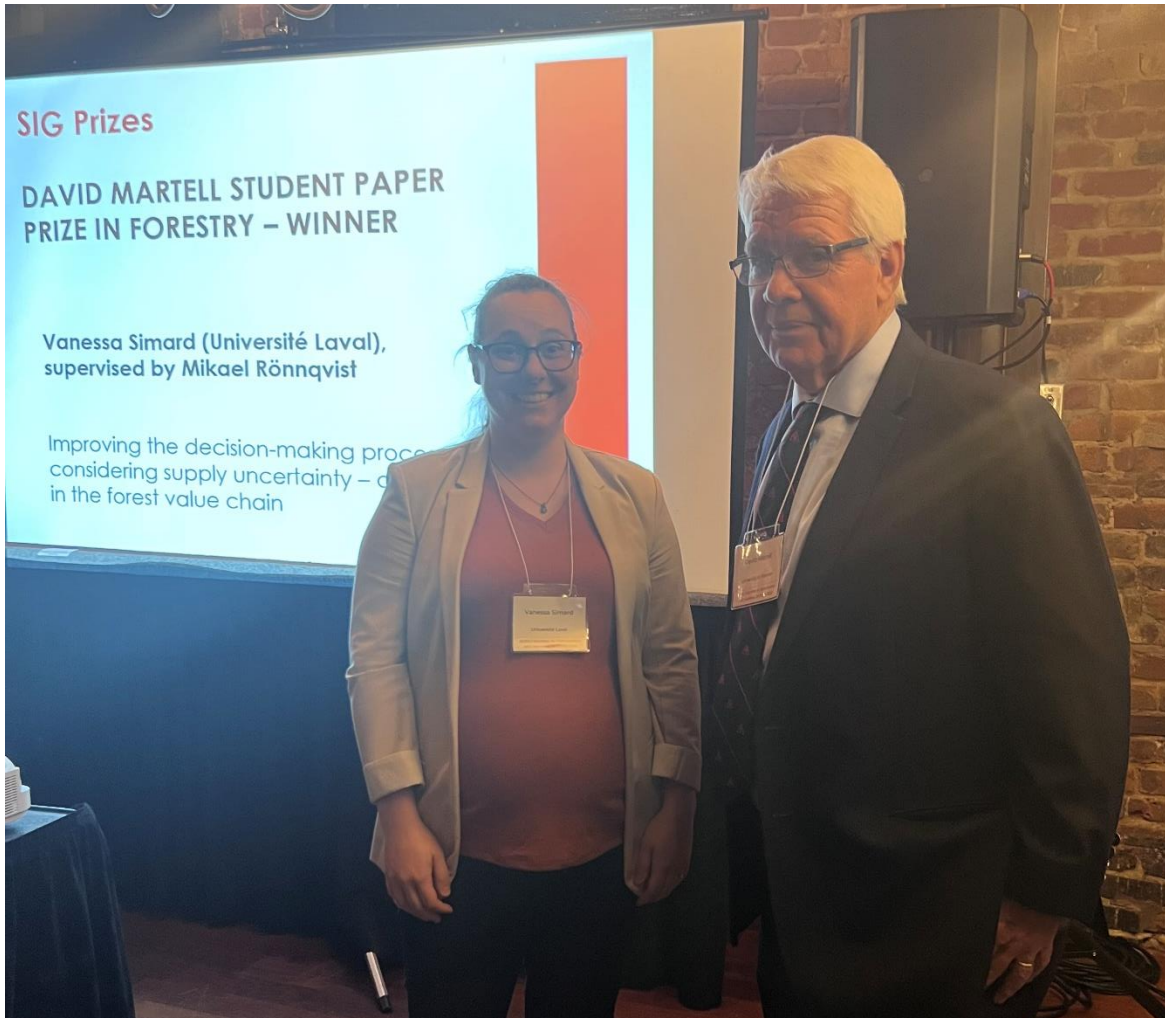
CORS Forestry SIG David Martell Student Paper Prize in Forestry

Winner

Vanessa Simard, Mikael Rönnqvist, Luc Lebel, Nadia Lehoux

"Improving the decision-making process by considering supply uncertainty — a case study in the forest value chain"

Finalists

Saba Gazran (École de technologie supérieure, Montréal)
"Optimizing truck platooning transportation planning: an application to forestry products supply chains"

Mahtabalsadat Mousavijad (Université Laval)
"Resource allocation in a collaborative reforestation value chain: Optimisation with multi-objective models"

CORS Health Care Operational Research SIG Student Presentation Competition

Winner

Chaoyu Zhang (Rotman School of management, University of Toronto)

"First or Second Doses First? Vaccine Allocation Under Limited Supply"

Honourable Mention

Mahdi Shakeri (Haskayne School of Business, University of Calgary)

"Guiding Physicians with Time-dependent Patient Selection Policies"

Finalists

Joelle Cormier (HEC Montreal)
"Aerial Fleet Planning Using Simulation Models To Improve Inter-Hospital Transfer"

Yiwen Jin (Sauder School of Business, University of British Columbia)
"Adaptive Server Behavior to Schedule Deviations and Its Consequences: Evidence from Operating Rooms"

Hossein Hejazian (Desautels Faculty of Management, McGill University)
"The Impact of Hospital and Patient Characteristics on Psychiatry Readmissions"

CORS Queueing and Applied Probability SIG Student Paper Competition

Winner

Likang Ding (Alberta School of Business, University of Alberta)

"Calculating service rates from empirically obtained state-dependent mean service times"

Finalists

Setareh Farajollahzadeh (Rotman School of Management, University of Toronto)
"Potty Parity: Process Flexibility via Unisex Restroom"

Zhoupeng Zhang (Rotman School of Management, University of Toronto)
"Implications of Worker Classification in On-Demand Economy"

OTHER AWARDS

OR/MS Scientific Presenting Competition

Winners
Joëlle Cormier (HEC Montréal)
"Aerial Fleet Planning Using Simulation Models to Improve Interhospital Transport"

Rafael Ajudarte de Campos (Université Laval)
"Compact Formulations for the Robust Vehicle Routing Problem with Time Windows under Demand and Travel Time Uncertainty"

Finalists

Yixuan Wang (Concordia University)
"Peel Pack Planning Using Clustering and Decomposition Approach"

Fernando R. Senna (Federal University of São Carlos)
"A Two-Echelon Location Routing Problem for last-mile delivery"

Maryam Afzalabadi (Wilfrid Laurier University)
"Optimal Use of Home Hemodialysis Using Competitive Incentive Plans"

Mahdi Shakeri (University of Calgary)
"Guiding Physicians with Time-dependent Patient Selection Policies"

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, fabasiyan67@gmail.com
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 on the CORS website.

If you are interested in forming a SIG in a particular area, contact
Anjali Awasthi (vicepresident@cors.ca)

SIG NEWS

Teaching and Learning SIG

We want to hear from you!

As a new SIG, we want to know what kinds of teaching and learning events you would engage with. This will help us deliver meaningful content to you at the CORS Annual Conference, as well as throughout the year.

We'd appreciate if you could spare a few minutes to complete this **survey**, or feel free to reach out to Tiffany (tbayley@ivey.ca) or Andrea (andreafriars@gmail.com) if you have any questions or comments.

Transportation and Logistics SIG

The Transportation and Logistics SIG had its first annual meeting on May 29, 2023, during the CORS/Optimization Days 2023 Conference in Montreal. The SIG Bylaws were voted on and unanimously accepted by participating SIG members during this meeting.

We invite researchers to submit their papers to the special issue in INFOR: Information Systems and Operational Research dedicated to the founding of the Transportation and Logistics SIG. The special issue is on novel applications and methodologies of operations research in emerging topics in transportation and logistics. The deadline is December 31, 2023, but the authors are encouraged to submit sooner than the deadline. Papers will be reviewed as they are received. More information and the submission link are available here: https://www.callforpapers.co.uk/infor-transportation-logistics

2023–2024 CORS BUDGET

| | 2021–2022 | | 2022–2023 | | 2023–2024 |
	Budget	Actual	Budget	Actual	Budget
Revenue					
Membership	30,000	46,360.00	30,000	33,435.00	30,000
Conference	-	42,750.60	-	20,268.70	-
Conference Advance	40,000	40,000.00	40,000	-	-
INFOR	-	20,039.58	-	16,035.60	25,000
Sales Tax Collected	-	-	-	-	-
Miscellaneous	-	270.00	-	-	-
Total Revenue	70,000	149,420.18	70,000	69,739.30	55,000
Expenses					
Professional Services	-	-	-	17,661.25	8,000
Administrative Support	12,600	12,600.00	12,600	12,600.00	12,600
Administrative Expenses	2,000	1,470.95	2,000	1,921.24	2,000
Bookkeeping Support	4,800	5,200.00	4,800	4,800.00	4,800
Bookkeeping Expenses	200	542.40	200	-	200
Translation Services	2,500	835.54	2,500	1,357.90	2,500
Council Meeting	4,000	-	4,000	8,374.09	4,000
Section Shares (Dues)	15,000	-	15,000	-	7,500
Section Shares (Conf Profit)	-	-	-	-	-
SIG Budgets	-	-	-	113.83	6,000
IFORS Subscription	1,500	-	1,500	1,797.82	500
Conference Expenses	4,000	-	4,000	-	-
Conference Advance Paid	-	-	-	-	-
Awards & Prizes	3,600	2,000.00	3,600	2,976.48	5,000
Travelling Speaker Program	2,000	-	2,000	-	2,000
INFOR Expenses		1,080.00		42,911.36	-
Sales Tax Remitted	15,000	-	15,000	-	-
Banking Charges	1,500	1,941.26	1,500	1,421.50	1,500
Web Services	5,000	1,182.82	5,000	505.00	2,000
Grad Student Conf Support	8,000	966.15	8,000	15,650.85	8,000
Board & Event Insurance	-	-	-	1,325.16	1,500
EDI Initiatives	-	-	-	-	2,500
Miscellaneous	-	764.70	-	208.41	-
Total Expenses	81,700	28,583.82	81,700	113,624.89	78,100
Net Revenue	(11,700.00)	120,836.36	(11,700.00)	(43,885.59)	(23,100.00)

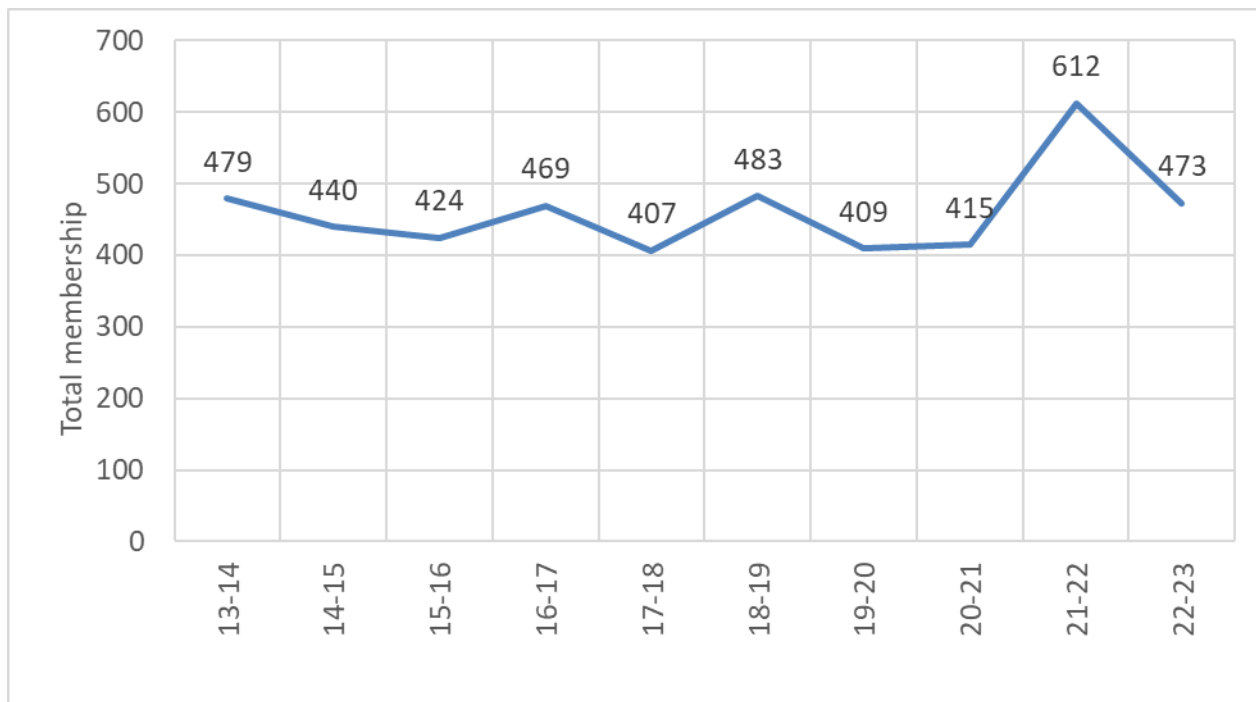|	Opening April 1, 2022	Closing March 31, 2023
Chequing	262,897.06	210,960.16
PayPal	10,702.49	22,127.23
Total Cash Assets	273,599.55	233,087.39

2022–2023 CORS MEMBERSHIP REPORT

I am pleased to submit the 2022–2023 Annual Membership Report of the Canadian Operational Research Society, which documents the membership activities experienced by the Society over the past year, for the consideration of CORS Council. The report provides Council with the information it needs to assess the health and well-being of the Society; to monitor the effectiveness of membership processes and practices; and to identify areas where policy initiatives or changes may be required.

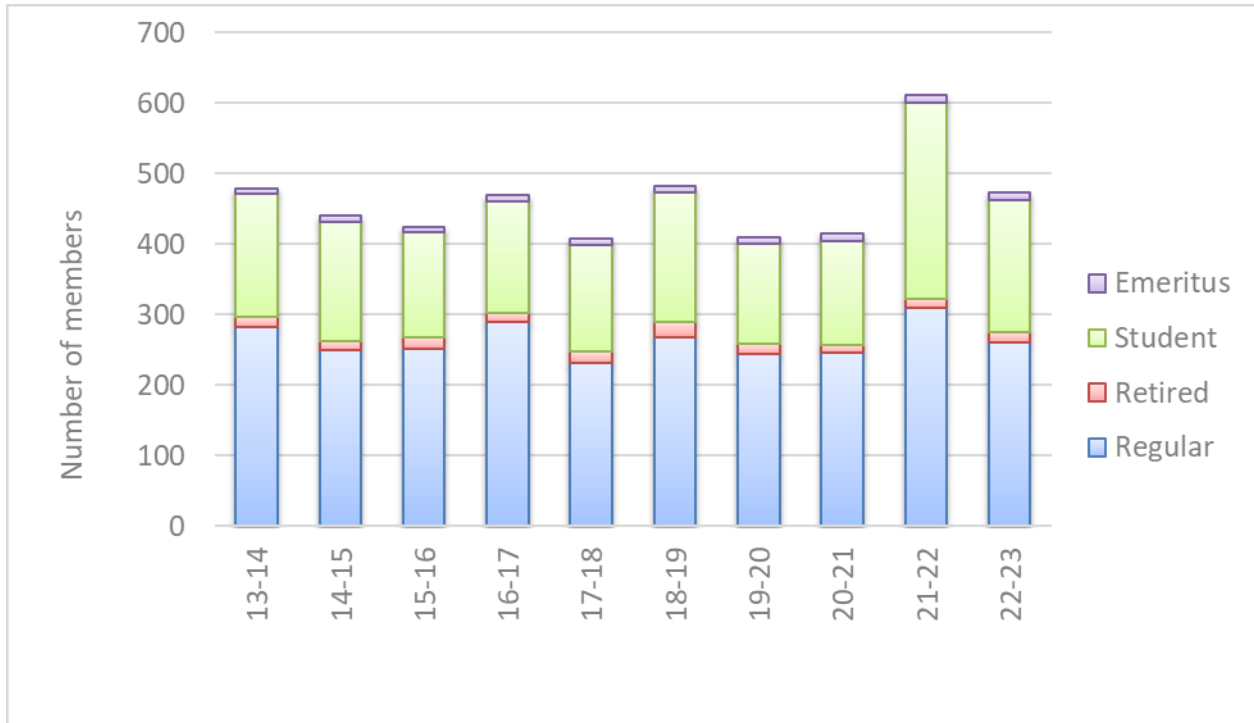These graphs summarize the report, which can be seen in full on the CORS website.

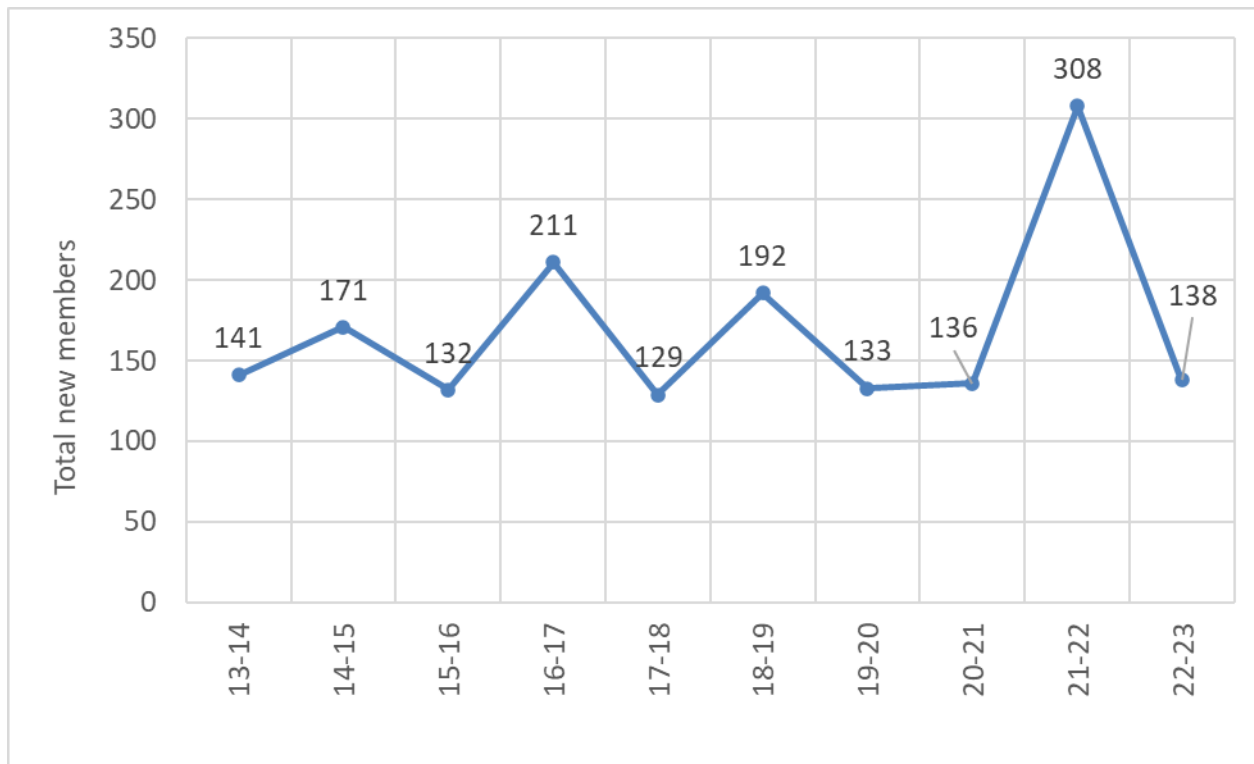Erla Anderson, Membership Services

CORS Membership 2013–2023

CORS Membership by Member Type 2013–2023

New CORS Memberships 2013–2023

MEETINGS AND CONFERENCES

Business Meetings

May 31, 2023	Meeting #1, Montreal
Sep 29, 2023	Meeting #2, Teleconference
Nov 24, 2023	Meeting #3, Toronto
Jan 26, 2024	Meeting #4, Teleconference
Mar 15, 2024	Meeting #5, Teleconference
April 19, 2024	Meeting #6, Teleconference, Financial Planning Committee
June 2, 2024	Meeting #7, Conference
June 3, 2024	Meeting #8, Conference, SIGs, Sections, Chapters
June 4, 2024	Meeting #9, Conference, CORS AGM

CORS Annual Conferences

3–5 June 2024   Annual Conference, London, Ont.

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 **November**. Contributions to this issue, especially news on the activities of local sections or CORS members, should be submitted by **20 October 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:
- 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 researchers)

Website: https://www.cors.ca

INFOR: https://www.tandfonline.com/loi/tinf20

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

Twitter: @CORS_President