Volume 36 Number 2 – Volume 36 Numéro 2   **April / avril 2002**

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In This Issue

The anticipation has been building for several months. And now, we're essentially one month away from the National Conference to be held June 3-5 at the Toronto Colony Hotel in Toronto, Ontario. Find out what all the fuss is about by visiting the conference web site at www.cors2002.org for all the latest information. Be sure to register today!

In this issue, Erhan Erkut sums up the recent happenings at this year's Student Conference on Operations held at the University of Alberta. Moreover, current CMS President Jonathan Borwein brings us up to date with the latest information in *From the Files of the CMS* on page 16.

In addition, there are a number of other informative articles featured in this particular issue. As always, please send any comments and suggestions to me at sdrekic@math.uwaterloo.ca. See you in Toronto!

Steve

Dans ce numéro

Nous ne sommes plus qu'à quelques semaines du congrès annuel, dont les préparatifs vont bon train depuis plusieurs mois déjà . Larencontre se tiendra du 3 au 5 juin au Toronto Colony Hotel à Toronto, en Ontario. Pour connaître tous les détails à ce sujet, consultez le site Web du congrès à l'adresse www.cors2002.org. N'oubliez pas de vous inscrire dès aujourd'hui!

Dans ce numéro, Erhan Erkut fait le compte rendu des récentes activités qui ont eu lieu à la Student Conference on Operations de cette année à l'Université d'Alberta. Dans *Échos de la SMC* en page 17, le président en exercice de la SMC, Jonathan Borwein, nous livre les dernières nouvelles sur la Société mathématique du Canada.

Ce numéro contient également plusieurs articles fort instructifs. Comme toujours, je vous invite à me faire parvenir vos commentaires ou suggestions à sdrekic@math.uwaterloo.ca. Au plaisir de vous voir à Toronto!

Steve

The 2001/2002 Council

Your 2001/2002 Council, which is made up of the Officers of the Society, the Elected Councillors, and the Section Presidents, is given below. This information, together with complete mailing addresses, can be found at <www.cors.ca>.

Le Conseil 2001/2002

Le Conseil 2001/2002 de la Société se compose des officiers de la Société, des conseillers élus et des présidents des sections locales, tel qu'indiqué ci-dessous. Cette information, ainsi que les adresses complètes des membres du Conseil, est disponible à <www.cors.ca>.

President/Présidente	Nadine Hofmann, University of British Columbia, nadine.hofmann@ubc.ca
Vice-President/ Vice-Président	David Martell, University of Toronto, martell@smokey.forestry.utoronto.ca
Secretary/Secrétaire	Evelyn W. Richards, University of New Brunswick, ewr@unb.ca
Treasurer/Trésorier	John T. Blake, DalTech, john.blake@dal.ca
Past President/ Président ex-officio	Bernard Lamond, Université Laval, Bernard.Lamond@fsa.ulaval.ca
Councillor/Conseiller	Belaïd Aouni , Laurentian University, baouni@nickel.laurentian.ca
Councillor/Conseiller	Maurice Elliott, Decision Insight Systems Inc., Maurice@decision-insight.com
Councillor/Conseiller	Adel Guitouni, Defence Research Establishment Valcartier, Adel.Guitouni@drev.dnd.ca
Councillor/Conseiller	Stephen Jones, University of British Columbia, sjones@coe.ubc.ca
Atlantic	John T. Blake, DalTech, john.blake@dal.ca
Québec	Adel Guitouni, Defence Research Establishment Valcartier, Adel.Guitouni@drev.dnd.ca
Montréal	Bernard Gendron, Centre de recherche sur les transports, Université de Montréal, bernard@crt.umontreal.ca
Ottawa / Hull	Kendall Wheaton, Department of National Defence, kwheaton@ora.dnd.ca
Kingston	Rick Burns, burnsrn@attcanada.net
Toronto	David Martell, University of Toronto, martell@smokey.forestry.utoronto.ca
SW Ontario	Reza Lashkari, University of Windsor, lash@uwindsor.ca
Winnipeg	Currently vacant / actuellement vacant
Saskatoon	Winfried Grassmann, University of Saskatchewan, grassman@cs.usask.ca
Calgary	Maurice Elliott, Decision Insight Systems Inc., Maurice@decision-insight.com
Edmonton	Erhan Erkut, University of Alberta, erhan.erkut@ualberta.ca
Vancouver	Nadine Hofmann, University of British Columbia, nadine.hofmann@ubc.ca
Toronto Student	Chris Neuman, University of Toronto, cneuman@mie.utoronto.ca
Waterloo Student	Mehmut Gumus, University of Waterloo, mgumus@engmail.uwaterloo.ca
Vancouver Student	Claire Lin, University of British Columbia, clin@coe.ubc.ca
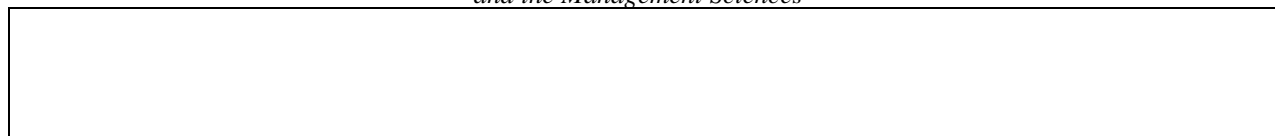
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ANNOUNCEMENT: The Bonder Scholarship for Applied Operations Research in Health Services
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The *Health Applications Section* of INFORMS invites applications from qualified doctoral candidates for the <u>Bonder Scholarship for Applied Operations Research in Health Services</u>. Doctoral candidates, particularly those at the beginning of their programs, with an interest in the application of process modeling and OR analyses to issues in health care design, delivery, or operations are encouraged to apply.

<u>Objectives</u>: The purpose of the Bonder Scholarship for Applied Operations Research in Health Services is to promote the development and application of process modeling and operations research analyses to health care design, delivery and operations. The scholarship provides funding of $5,000 ($US) to support the development of highly qualified individuals and promote the interchange of ideas and the dissemination of health services research knowledge in conjunction with INFORMS.

<u>The Award</u>: The Bonder Scholarship consists of a grant of $4,000 that is intended to provide financial support for a promising young researcher. In addition, the award winner will be eligible for up to $1,000 of travel funding to support their participation in Health Application Section activities at the annual INFORMS conference. INFORMS will waive registration fees for awardees. The tenure of the award is one year.

<u>Selection Criteria</u>: The scholarship will be granted on the basis of excellence, innovation, preparation, and probability of candidate's success. Candidates should submit three copies of the following materials: a curriculum vita, two letters of support, a brief statement describing why they are interested in applying operations research to health care issues, and a two-page summary of their proposed program of research. Candidates will be evaluated on the quality of their preparation to undertake a program of applied operations research in the field of health care. The proposed program of research will be judged according to its potential for making a significant contribution to the field of applied OR in health care systems, as well as the likelihood of successful completion.

<u>Eligibility</u>: All members of INFORMS currently pursuing doctoral studies are eligible. Applications from US and international members are welcome.

<u>Application Procedures</u>: Candidates are asked to forward their applications by July 1, 2002 to:

Dr. John Blake
Vice President
Health Applications Section, INFORMS
Department of Industrial Engineering
Dalhousie University
PO Box #1000
Halifax, NS B3J 2X4
CANADA

Phone: 1-902-494-6068
Fax: 1-902-420-7858
E-mail: john.blake@dal.ca

Notification: All applicants will be notified by September 15, 2002 of the results of the competition.

Background: Dr. Seth Bonder was the founder and CEO of Vector Research, Incorporated (VRI) for 31 years. VRI is recognized for its quality and innovations in applying OR/MS to public and private sector enterprises. Throughout his distinguished career, Dr. Bonder has been a leader in applying operations research to national defense planning and policy issues, and subsequently to health care delivery reengineering and disease management practices. He established this scholarship to encourage the application of scientific operations research approaches to health care delivery systems, processes, and enterprises.

Dr. Bonder has made major contributions to the operations research profession. He has served as president of the Operations Research Society of America and the Military Operations Research Society, and vice president of the International Federation of Operational Research Societies. He has been the recipient of numerous awards, including the Patriotic Service Award from the US Secretary of the Army, the George E. Kimball Medal, and the INFORMS President's Award   He is a member of the National Academy of Engineering.

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CORS Bulletin Advertising Policy	Politique de publicité du bulletin de la SCRO
Ads cost $120 per page, proportional for fractional pages. Logos and prepared layouts can be accommodated. Direct inquiries to the Editor.	Le coût d'une annonce est de 120$/page et varie en proportion pour les annonces de moindre longueur. Les annonces peuvent contenir des logos et des schémas. Contacter le rédacteur pour toute autre information.

CORS/SCRO 2002
Toronto
June 3 - 5, 2002

Please check our web site (http://www.cors2002.org**) for detailed information concerning registration, the Toronto Colony Hotel where the conference will take place and the final program details.**

Preliminary Program Summary and Session Planner

Monday, June 3

Parallel sessions begin at 8:30 AM

11:30 - 1:00	Welcoming Luncheon

1:00 - 2:00   Plenary Speaker

Ed Kaplan, Yale University

OR and Bioterrorism

5:30 - 6:30   Plenary Speaker

Arthur Geoffrion, UCLA

What Do You Say When They Ask You WHY?

7:00 - 9:00   Reception

Tuesday, June 4

12:30 - 1:30   CORS Annual General Meeting Luncheon
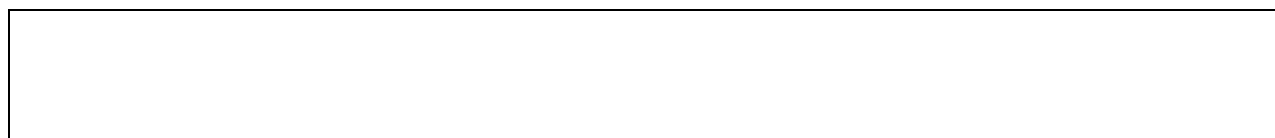
1:30 - 2:30   Plenary Speaker

David Simchi-Levi, Massachusetts Institute of Technology

Supply Chain Logistics

7:00 - 10:00   Awards Banquet

Wednesday, June 5

1:00 - 2:00   Plenary Speaker

Bill Ziemba, University of British Columbia

Scenario Based Stochastic Programming Thinking for Asset Liability Problems

Parallel Sessions end at 5:30 PM

Session Planner

This preliminary session planner indicates when parallel sessions and tutorials that address specific topics will take place.

MA	MT Tutorials	MB	MC	TA	TT Tutorials	TB	TC	WA	WT Tutorials	WB	WC
8:30-10:00	10:30-11:30	2:00-3:30	4:00-5:30	8:30-10:00	10:30-11:30	2:30-4:00	4:30-6:00	8:30-10:00	10:30-11:30	2:00-3:30	4:00-5:30
Student Paper	OR Educ. **Erhan Erkut**	Student Paper	Practice Prize	Education	NSERC **Jean-Marc Rousseau**	Ruin Theory	Forestry	Forestry	Forestry **Raphael Epstein**	Forestry	Forestry Panel
DEA	DEA **Joseph Paradi**	DEA	DEA	DEA		Cap. Network Design	Hazardous Transport	Vehicle Routing	VRP **Gilbert Laporte**	Logistics	Logistics
Supply Chain	e-network **Benoit Montreuil**	Supply Chain	Supply Chain	Supply Chain	Supply Chain **John Buzacott**	Supply Chain	Production Planning	Inventory Control	Revenue Management **Peter Bell**	Airline Yield Management	Quality
Queueing	Queueing **Attahiru Sule Alfa**	Queueing	Queueing	Queueing	Maintenance **Anthony Christer**	Maintenance	Reliability	Finance		Finance	Finance
Strategic O.R.		C.O.E. Projects	C.O.E. Projects	Electricity	Markov Proc. **Martin Puterman**	Telecom	Telecom	Telecom Networks	Telecom **Brunhilde Sansò**	Telecom Networks	
Health		Health	Health	Health		Health	Scheduling	Scheduling	Sports **William Hurley**	Military	Military
Optimize	Semidefinite **Henry Wolkowicz**	Optimize	Optimize	Optimize	Global Opt. **Janos Pinter**	Math Programming	Spatial Optimize	Pricing Strategies		Location	Optimize
DSS	Data Mining **Bruce Golden**	DSS	e-Negotiation		MetaHeur. **Michel Gendreau**	Multi-Objective	Group Decision Making	Strategic Decision Making	Pref Func **Jonathan Barzilai**	Preference Measurement	
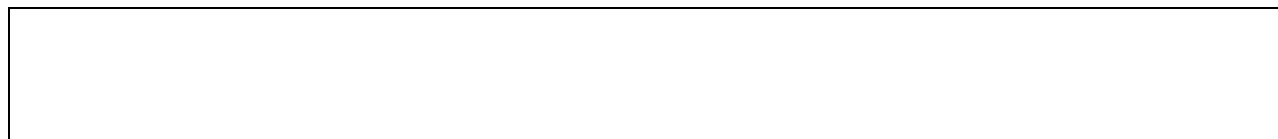
New Bulletin Editor Needed	**Nous avons besoin d'un nouveau rédacteur en chef pour le Bulletin**
With this issue, I will be resigning as Bulletin Editor, having served for 4 full years. As I look back, my sincere thanks go out to previous Bulletin Editor Rick Caron for approaching me in Montreal in 1998 and offering me the opportunity to be his successor. I have enjoyed this role immensely and have gotten to know and work with many great people in that time.

I have fond memories of these last 4 years, but I feel the time has come for someone else to take the torch and carry on their own vision for the Bulletin. On that note, if you wish to take on these duties, please contact me at: | À l'issue de la préparation de ce numéro, je démissionnerai de mon poste de rédacteur en chef du Bulletin après avoir rempli ces fonctions pendant quatre ans. Je tiens à remercier Rick Caron, le précédent rédacteur en chef du Bulletin, qui m'a proposé à Montréal en 1998 de devenir son successeur. J'ai eu beaucoup de plaisir à assumer ce rôle qui m'a permis de rencontrer beaucoup de personnes extraordinaires et de travailler avec elles.

Je garde d'excellents souvenirs de ces quatre années, mais j'ai le sentiment qu'il est maintenant temps que quelqu'un d'autre reprenne le flambeau et insuffle au Bulletin sa propre vision. J'invite toute personne intéressée à prendre le relais à communiquer avec moi à : |

Steve Drekic
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University of Waterloo
200 University Ave. W.
Waterloo, Ontario N2L 3G1
E-mail: sdrekic@math.uwaterloo.ca
Phone: 519-888-4567 Ext. 5550
Fax: 519-746-1875

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Journals for sale or gift: Journal of the Operational Research Society (1963-2001),
INFOR (1967-2001),
Interfaces (1974-99),
Int. Abstracts in OR (1962-71 and 1975-79),
Int. J. of Production Economics (1989-2001),
Int J. of Production Research (1971-82)

* Please contact **John Buzacott** at jbuzacot.schulich.yorku.ca *or* (416) 736 2100 Ext. 77939 *

Nominees for 2002/2003 Council Positions
Candidatures pour les postes à pourvoir au Conseil 2002-2003

Vice President (President Elect)

Belaïd Aouni is an Associate Professor at the School of Commerce and Administration at Laurentian University. Dr. Aouni taught for many years at the Faculty of Business Administration at Laval University. For two years, he held the position of research and socio-economic planning agent in the Department of Operational Research and Planning at the ministère des Ressources naturelles du Québec (MRN). He also worked for more than three years as a computer science and administrative processes analyst at the Planning and Systemization Department, Information Resources Directorate, at the MRN. Additionally, he is regularly invited to participate as a referee in scientific journals like the *Journal of the Operational Research Society*, *European Journal of Operational Research* and various proceedings of scientific conferences. He was guest editor for a special issue of the *European Journal of Operational Research*. His research results have been published in many works and papers in prestigious scientific journals such as the *Journal of the Operational Research Society*, *Journal of Global Optimization, European Journal of Operational Research*, and *Information Systems and Operational Research*. He has been editor and coauthor of the following works: a) «*Looking South : The Canadian Perspective on North American Trade*», proceedings of The Annual Conference of the Administrative Sciences Association of Canada, Operational Research Division, Vol. 14, 1994, b) «*Taking Stock*», proceedings of The Annual Conference of the Administrative Sciences Association of Canada, Production and Operations Management Division, Vol. 21, No. 7, 2000, and c) «*Introduction to Quantitative Methods in Management*», FSA, Quebec, 1996.

He is also a member of the Canadian Operational Research Society National Council. At the Council, he is the Chair of the Membership Committee. He served as secretary in the CORS Quebec Chapter.

Councillors

Steve Drekic is an Assistant Professor in the Department of Statistics and Actuarial Science at the University of Waterloo. He received his B.A. and Masters from the University of Windsor in 1994 and 1995 respectively, and his Ph.D. in

Vice Président (Président désigné)

Belaïd Aouni est est professeur agrégé au sein de l'École de Commerce et d'Administration de l'Université Laurentienne. M. Aouni a enseigné à la Faculté des sciences de l'Administration de l'Université Laval, et ce, durant plusieurs années. Pendant deux ans, il a occupé le poste d'agent de recherche et de planification socio-économique à la Direction de la gestion financière et de la planification au sein du ministère des Ressources naturelles du Québec (MRN). De plus, il a ocupé, pendant plus que trois ans, le poste d'analyste de l'informatique et des procédés administratifs au sein du Service de la planification et de la systématisation de la Direction des ressources informationnelles du MRN. Par ailleurs, il est invité régulièrement à participer dans des comités de lecture de revues scientifiques comme le *Journal of the Operational Research Society*, *European Journal of Operational Research* et des divers actes de congrès scientifiques. Il a été éditeur invité d'un numéro spécial de la revue *European Journal of Operational Research*. Les résultats de ses travaux de recherche sont parus dans plusieurs ouvrages et articles publiés dans des revues scientifiques aussi prestigieuses que *Journal of the Operational Research Society*, *Journal of Global Optimization, European Journal of Operational Research* et *Information Systems and Operational Research*. Il a été éditeur et coauteur des ouvrages suivants : a) «*Looking South : The Canadian Perspective on North American Trade*», actes de la Conférence annuelle de l'Association des Sciences Administratives du Canada, division de la Recherche opérationnelle, Vol. 14, 1994, b) «*Faisons le point*», actes de la Conférence annuelle de l'Association des Sciences Administratives du Canada, division de la Gestion des Opérations et de la Production, Vol. 21, No. 7, 2000 et c) «*Introduction aux méthodes quantitatives de gestion*», FSA, Québec, 1996.

Il est membre du conseil national de la Société canadienne de recherche opérationnelle. Au sein de ce conseil, il est le responsable du Comité d'admission. Il a été aussi le secrétaire du chapitre de Québec decette société.

Conseillers

Steve Drekic est professeur adjoint au département de statistiques et de science actuarielle à l'University of Waterloo. Il a obtenu son baccalauréat et sa

1994 and 1995 respectively, and his Ph.D. in Statistics from the University of Western Ontario in 1999. His current research focuses on insurance risk models, the performance analysis of priority queues, and the use of symbolic computational procedures in queueing theory and other areas of applied probability. His papers have appeared in *Operations Research*, *Queueing Systems*, *INFORMS Journal on Computing*, and other journals. He has also served as CORS Bulletin Editor since April 1998.

Bernard Gendron is an Associate Professor in the Department of Computer Science and Operations Research at the University of Montréal. His research interests include integer and combinatorial optimization, large-scale optimization and parallel computing, and location and network design problems applied to transportation logistics and telecommunications. He is affiliated to the Centre for Research on Transportation at the University of Montréal.

Treasurer

Ozhand Ganjavi is a faculty member at the School of Commerce and Administration at Laurentian University. His first degree is in chemical engineering, including several years of industrial experience as a chemical engineer. He has a Masters degree from the University of Ottawa in Operations Research and a Ph.D. degree from the Ivey School of Business in Management Science.

Ozhand has been teaching quantitative courses for the past 22 years and has 15 years of administrative experience as the director of the School and director of the MBA program. He has taught not only in Canada but also some short courses in other countries including China, Poland, and Tunisia. Ozhand has operated his own consulting company, "*Ganjavi and Associates, Management Consultants*" since 1991 and from time to time joins forces with other independent consultants to bid on variety of projects.

maîtrise à l'Université of Windsor en 1994 et 1995 respectivement et a reçu son doctorat en statistiques de l'University of Western Ontario en 1999. Ses intérêts de recherche portent actuellement sur les modèles de risque d'assurance, l'analyse de rendement des files de priorité et l'utilisation de procédures computationnelles symboliques dans la théorie des files d'attente et dans d'autres domaines de la probabilité appliquée. Ses articles ont paru dans *Operations Research*, *Queueing Systems*, *INFORMS Journal on Computing* et dans d'autres revues. Il est aussi rédacteur en chef du Bulletin de la SCRO depuis 1998.

Bernard Gendron est professeur agrégé au Département d'informatique et de recherche opérationnelle de l'Université de Montréal. Ses interets de recherche touchent à la programmation en nombres entiers et à l'optimisation combinatoire, à l'optimisation de problemes de grande taille et au calcul parallele, de même qu'aux problemes de localisation et de conception de réseaux appliques à la logistique du transport et aux télécommunications. Il est affilié au Centre de recherche sur les transports de l'Université de Montréal.

Trésorier

Ozhand Ganjavi est membre du corps professoral de l'École de Commerce et d'Administration de l'Université Laurentienne. Après avoir obtenu un premier diplôme en génie chimique, il a travaillé pendant plusieurs années dans l'industrie comme ingénieur chimiste. Il détient une maîtrise de l'Université d'Ottawa en recherche opérationnelle et un doctorat de la Ivey School of Business en sciences de la gestion.

M. Ozhand enseigne les méthodes quantitatives depuis 25 ans et possède quinze ans d'expérience administrative à titre de directeur de l'École et du programme de maîtrise en administration des affaires. Outre sa charge d'enseignement au Canada, il a donné des cours abrégés dans d'autres pays dont la Chine, la Pologne et la Tunisie. M. Ozhand dirige sa propre société d'experts-conseils, « *Ganjavi and Associates, Management Consultants* », depuis 1991 et à l'occasion, il s'associe à d'autres consultants indépendants pour soumissionner divers projets.

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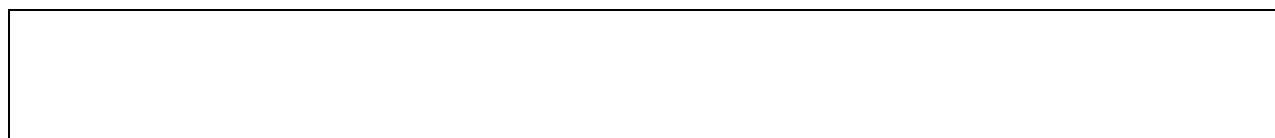
Conference Travel Funding

A reminder to all section presidents: Once again, CORS has been fortunate to receive a grant from SSHRC to support travel to the annual conference. Since demand for such funds greatly exceeds supply, priority for funding will be given to:

1. Student members presenting papers;
2. Student members;
3. Regular members without other sources of funding.

To apply for funding, please submit the names of the members requesting funding along with an outline of expenses by surface mail or e-mail prior to **May 15, 2002** to:

Fonds pour frais de déplacement au congrès

Rappel à tous les présidents de section : Encore une fois, la SCRO a reçu une subvention du CRSH pour financer les frais de déplacement au congrès annuel. Étant donné que la demande pour de tels fonds dépasse largement les montants disponibles, le financement sera accordé selon l'ordre de priorité suivant :

1. les membres étudiants présentant un article;
2. les membres étudiants;
3. tout membre ne disposant pas d'autre source de financement.

Pour toute demande de financement, veuillez faire parvenir le nom des membres souhaitant obtenir des fonds ainsi qu'un aperçu des frais de déplacement par la poste ou par courriel avant le **15 mai 2002** à :

John Blake
CORS Treasurer
Department of Industrial Engineering
Dalhousie University
PO Box #1000
Halifax, NS B3J 2X4
E-mail: john.blake@dal.ca
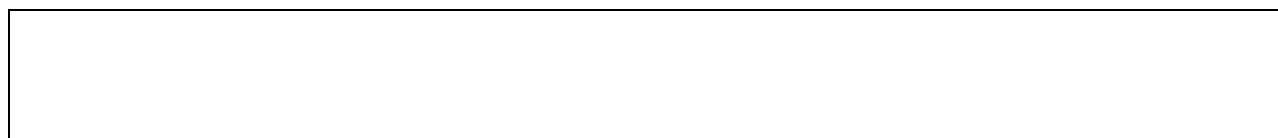
Request for Proposal for a Web based Membership Services System

Title: Request to develop and support a web based membership services system for the Canadian Operational Research Society

Category: A user-friendly web system to assist the Canadian Operational Research Society membership functions

Institution: Canadian Operational Research Society

Closing Date: Sealed proposals will be received at the contact person address until 4:00 p.m. local time, Friday, May 24, 2002.

Contact Person: Professor Belaïd Aouni
School of Commerce and Administration, Laurentian University, Sudbury, Ontario, Canada P3E 2C6.

E-mail: baouni@laurentian.ca

Phone: (705) 675-1151 ext. 2140

Fax: (705) 675-4880

RFP Description:

The Canadian Operational Research Society is seeking proposals from interested sources to develop and implement a system that delivers membership services primarily through our web site. The system will be delivered mainly through an internet based interface in co-operation with the CORS/SCRO webmaster, the CORS/SCRO membership chair, and the CORS/SCRO treasurer. The intent is to automate services to more effectively deliver value to our members. A number of ancillary services, such as dealing with correspondence, producing print reports and hard copy communications with members are also required. The following table outlines typical membership services tasks and their periodicity. CORS/SCRO currently has approximately 450 members.

In addition to meeting the basic requirements for CORS/SCRO as outlined in the table, applications that commit to developing a system that is flexible and expandable to meet future requirements will be given preference. Applications that indicate a commitment to improvement and development of membership services in the long term, through a proactive approach to meeting member and council needs, will be favourably received.

Applicants are invited to visit our current web page for information on the society and its goals.

Task	Periodicity	To be informed
1. New members: a. Register new members; b. Maintain the membership database; c. Send a welcome package (letter and the last CORS Bulletin, including the receipt) to new members; d. Maintain an ongoing record of dues received/outstanding; e. Promptly forward cheques and hard copy credit card dues payments to CORS Treasurer; f. Maintain an ongoing record of dues paid by electronic methods; g. Reconcile membership dues against submissions to CORS Treasurer;	On-going Monthly	CORS Membership Chair CORS Treasurer
2. Membership renewal: a. Prepare draft of cover letter; b. Prepare annual renewal form; c. Confirm contents of cover letter with the CORS Membership Chair; d. Mail to all current members a personalized cover letter with the renewal form; e. Maintain an ongoing record of dues received/outstanding; f. Produce an annual summary of members and their due status. Summary reports for the society, sections, and individual members, are required. g. Promptly forward cheques and hard copy credit card dues payments to CORS Treasurer; h. Maintain an ongoing record of dues paid by electronic methods; i. Reconcile membership dues against submissions to CORS Treasurer; j. Send a receipt to members who have renewed their memberships (within maximum 2 weeks). k. Produce an annual report indicating the number of members in each section and the amount of dues paid.	Annually Ongoing Annually Ongoing Ongoing Monthly Ongoing	CORS Membership Chair CORS Treasurer
3. Membership Directory: a. Produce a report suitable for printing as the membership directory (Name of the member, complete address, e-mail, phone and fax if available); b. Send the file to the CORS Membership Chair; c. Send a copy of the electronic file to the master of the CORS Web Site	Annually	CORS Membership Chair
4. Additional Duties: Produce reports as requested. These reports are related to the membership file (mailing lists, mailing labels, email address lists and section summaries). Assist designated members of council with on-going initiatives to integrate the membership information system with other CORS information systems (e.g., annual conference organization).	As required	CORS Membership Chair and designated local section representatives

SCOPE 2002: Student Conference on Operations *(submitted by Erhan Erkut)*

The 5th Annual Student Conference on Operations was held at the University of Alberta on April 5 and 6, 2002. This is a conference where students present their operations research and operations management projects to an audience consisting of students, faculty members, and industry representatives. It is a forum for the next generation of operations researchers and business analysts to demonstrate their skills in a professional environment. Attending students are exposed to an array of applied work, and have the opportunity to network with business leaders, faculty from other universities, and other operations-oriented students. Faculty members make presentations on research and educational opportunities at their respective schools. The industry representatives serve as presentation judges, provide feedback to presenters, and interact with students and faculty. The conference serves as a link between the students and industry, between the universities and industry, and between the various operations management and management science programs (and students) in Canada.

The Operations Management Student Club of the University of Alberta's School of Business organized this year's conference. The co-sponsors were Air Canada, The Brick, Finning, Inland, Metal Fab, Intuit, and CORS. A total of 21 teams from five universities were in attendance: Carleton University, University of Alberta, University of British Columbia, University of Calgary, and University of Western Ontario (Ivey). The faculty members and the judges were very impressed with the quality of the projects and the presentations. This conference offers further proof that OR is alive and well in Canada and the new generation of operations researchers are already improving operations in Canadian companies while they are at school. There were 2 awards for graduate students and 8 awards for undergraduate students at SCOPE 2002. The award winners are:

Graduate Awards:

Best Application: *Logistics Planning and Optimization for Large Beverage Company*, by Mehmet Begen (UBC)

Best Research: *Determining Trunk Reservation Parameters for a Non-Symmetric Telecommunication Network*, by Thaddeus Sim (UBC)

Undergraduate Awards:

Best Application (shared by two teams): *Law Facility Layout*, by Linda Pitter, DeAndra Chmelyk, Daphne Sniekers (U of Calgary), and *Locating a Mega-Store*, by Mike Chalk, Malcolm Day, Julie Wipf (U of Alberta)

Best Research: *The Second Cup Roster: Interfaces and Algorithms*, by Jeff Litchfield, Abdul Atehortua, Charissa Wong, Jonathan Cheng (U of Alberta)

Best Presentation Style: *Security Queue at Edmonton International Airport*, by Vinod Viswalingam (U of Alberta)

Best Operations Strategy Project: *Telecommunicators*, by DeAndra Chmelyk, Ruth Noronha, Michelle Popp (U of Calgary)

Best Manufacturing Project: *Simulating a Jobshop*, by Amri Benjamin, Mike Noel, Rory D'Ilio (U of Alberta)

Best Service Project: *The Hospital Emergency Room*, by Ho-Yin Lee, Karim Manji (U Western Ontario, Ivey)

Best Transportation Project: *An Approach to Dial Location on an Airplane Instrument Panel*, by Kelley Bessette, Tony Han, Matt Riskin (U of Alberta)

Best Overall Presentation/Project (shared by two teams): *Air Canada Resource Simulation*, by Kar-Li Chong, Judy Loo (U of Calgary), and *Production Planning at Finning's Component Rebuild Centre*, by Kelley Bessette, Jeff Lichfield, Matt Riskin, John Johnson (U of Alberta).

The abstracts of the two winners of the "best overall presentation" award follow:

Air Canada Gate Simulation, by Kar-Li Chong, Ruth Noronha (U of Calgary): Air Canada has many aircrafts, of all sizes that arrive and depart from the airports. Currently, Air Canada uses a heuristic

system to schedule the arrival and departure of its aircrafts to the available gates. The system will place the aircrafts into the first available gate without reiterating the process to find the optimal schedule. The objective is to model the existing / current situation in Arena 5.0 and maybe find some creative solutions in creating a more efficient model to help Air Canada schedule their aircrafts.

Production Planning at Finning's Component Rebuild Centre, by Kelley Bessette, Jeff Litchfield, John Johnson, Matt Riskin (U of Alberta): Finning (Canada) sells, services and finances the full line of Caterpillar and complementary equipment throughout British Columbia, Alberta, Yukon, and the Northwest Territories. The Component Rebuild Center (CRC) is located in Edmonton. This center services five major distribution centers, and over forty-five branches throughout the area. Inventory decisions must be made for over nine hundred parts, making inventory management at this center is a very complex process. In addition to this, when demand is incurred for a remanufactured core, the customer returns the old core to the CRC for remanufacturing. Finning's project team wanted a tool that would aid them in the following ways: How many cores should be in the system? Where should finished cores be stored? What is the re-order point for finished cores at the individual branches and distribution centers? This project examines some of the problems that Finning's project team is facing, as well as the decision-support tool we developed for them to answer these three key questions.

Past student attendees from this conference went on to present their work at CORS conferences and won CORS student paper prizes. The link between SCOPE and CORS was formalized this year. CORS became one of the co-sponsors of this conference and as a result, over 40 students attending the conference received free one-year CORS student memberships.

This year the organizers decided to offer a forum for faculty members attending SCOPE to share the results of their research by organizing a research conference (ARCO—Alberta Research Conference on Operations) in connection with SCOPE. About 20 faculty members and Ph.D. students from Athabasca University, Carleton University, University of Alberta, University of Calgary, University of Saskatchewan, and University of Western Ontario (Ivey), attended this mini-conference featuring 12 presentations in three sessions.

The plans for ARCO/SCOPE 2003 are already under way. Next year's conference will be hosted by the Faculty of Management of the University of Calgary on April 5, 6, 2003. While this conference has a strong Western Canadian following, the goal of the organizers is to attract more student teams and faculty members from the rest of the country.

From the Files of the CMS

It is a pleasure to write my fourth note for the *CORS Bulletin* as President of the Canadian Mathematical Society. I'm delighted to continue the habit of reporting on our activities to CORS – especially as my own research areas overlap with operations research and mathematical programming. This report is a slightly revised version of my annual report to the CMS for 2001. I would welcome contact from CORS members interested in any of our activities: educational, editorial or research.

The year 2001 saw the Society as busy as usual. Central, as always, to last year's activities were the Summer and Winter Meetings, again aided by the generous support of the National Programme Committee of the three Canadian Research Institutes (Fields, CRM and PIMS) and the Mathematics of Information Technology and Complex Systems Network (MITACS NCE).

<u>CMS 2001 Meetings</u>

The 2001 Canadian Mathematical Society's Summer Meeting was hosted by the University of Saskatchewan, from June 2-4, 2001. Our meetings in addition to their scientific merit were, as we now always expect, an excellent way to build and maintain friendships within the mathematical community. Following our now usual format, the meeting included ten symposia, contributed papers, four plenary speakers, and two Prize lectures. The **Jeffery-Williams Lecture** was given by David Boyd, University of British Columbia, the second Coxeter-James lecturer in 1979. The symposium on Number Theory was organized in honour of David who also turned 60 in 2001. The **Krieger-Nelson Lecture** was given by Lisa Jeffrey, University of Toronto. There were four plenary speakers: Georgia Benkart (Wisconsin), Zoe Chatzidakis (Paris 7), Geoffrey Grimmett (Cambridge), Barry Simon (Caltech) and an excellent public lecture delivered by De Witt Sumners of Florida State University entitled *"Calculating the secrets of life: Mathematics in Biology and Medicine"*. The ten well-attended Symposia were as follows:

Abstract Harmonic Analysis (Org: Anthony Lau, University of Alberta and Keith Taylor, University of Saskatchewan); *Geometric Topology* (Org: Alex Chigogidze and Ed Tymchatyn, University of Saskatchewan); *Graph Theory* (Org: Brian Alspach and Denis Hanson, University of Regina); *Infinite dimensional Lie theory and representation theory* (Org: Stephen Berman, University of Saskatchewan); *Mathematical Education Cognition in Mathematics* (Org: Florence Glanfield, University of Saskatchewan); *Matrix Analysis* (Org: Judi MacDonald, University of Regina) ; *Model theoretic algebra* (Org: Bradd Hart, McMaster University/Fields Institute, F.-V. Kuhlmann and S. Kuhlmann, University of Saskatchewan); *Number Theory–in honour of David Boyd* (Org: Peter Borwein, Simon Fraser University and Michael Bennett, Illinois); *Rigorous studies in the statistical mechanics of lattice models* (Org: Chris Soteros, University of Saskatchewan and Stu Whittington, University of Toronto); *Scattering theory and integrable systems* (Org: Jacek Szmigielski, University of Saskatchewan).

All scientific talks were held at the University of Saskatchewan. Some pre-meeting activities, the opening reception and the meeting banquet took place at the Delta Bessborough Hotel. The Delegates' Luncheon on Saturday, June 2 and the lunch on Sunday and Monday were included in the registration fee which many participants commented favourably on. The attendance of 285 was excellent and the consensus was that the conference was first rate.

Échos de la SMC

Je suis très heureux de collaborer pour une quatrième fois au Bulletin de la SCRO à titre de président de la Société mathématique du Canada. Je suis ravi de pouvoir ainsi continuer à renseigner les membres de la SCRO sur nos activités – d'autant plus que mes propres intérêts de recherche recouvrent la recherche opérationnelle et la programmation mathématique. Le présent compte rendu est une version légèrement modifiée de mon rapport annuel à la SMC pour l'an 2001. J'invite tout membre de la SCRO intéressé à l'une ou l'autre de nos activités – éducative, rédactionnelle ou de recherche – à communiquer avec nous.

Comme d'habitude, l'an 2001 a été une année très occupée. Encore une fois, au coeur des activités de l'an dernier, les Réunions d'hiver et d'été, réalisées grâce au généreux soutien du Comité du programme national des trois instituts de recherche canadiens (Fields, CRM et PIMS) et du Réseau de centres d'excellence MITACS.

Réunions 2001 de la SMC

La Réunion d'été 2001 de la Société mathématique du Canada s'est déroulée du 2 au 4 juin à l'Université de la Saskatchewan. Nos Réunions, dont la qualité scientifique est devenue un standard que l'on tient maintenant pour acquis, sont toujours une excellente façon de nouer ou d'entretenir des amitiés au sein de la communauté mathématique. Conformément à la formule habituelle, la Réunion comptait dix symposiums, des communications libres, quatre conférences principales et les conférences des lauréats des prix Jeffery-Williams et Krieger-Nelson. La **conférence Jeffery-Williams** a été prononcée par David Boyd, de l'Université de la Colombie-Britannique, second lauréat du prix Coxeter-James en 1979, et la **conférence Krieger-Nelson**, par Lisa Jeffrey, de l'Université de Toronto. Mentionnons aussi que le symposium sur la théorie des nombres était organisé en l'honneur de David Boyd, qui fête cette année son 60e anniversaire. Les quatre conférenciers principaux étaient : Georgia Benkart (Wisconsin), Zoe Chatzidakis (Paris 7), Geoffrey Grimmett (Cambridge) et Barry Simon (Caltech), M. De Witt Sumners (Florida State) a en outre donné une excellente conférence publique intitulée : *«Calculating the secrets of life: Mathematics in Biology and Medicine»*. Les dix symposiums, qui ont attiré un grand nombre de participants, portaient sur les sujets suivants :

Analyse harmonique abstraite (Org. : Anthony Lau, Université de l'Alberta, et Keith Taylor, Université de la Saskatchewan); *Topologie géométrique* (Org. : Alex Chigogidze et Ed Tymchatyn, Université de la Saskatchewan); *Théorie des graphes* (Org. : Brian Alspach et Denis Hanson, Université de Regina); *Théorie de Lie en dimension infinie et théorie de la représentation* (Org. : Stephen Berman, Université de la Saskatchewan); *Enseignement des mathématiques - Cognition et mathématiques* (Org. : Florence Glanfield, Université de la Saskatchewan); *Analyse matricielle* (Org. : Judi MacDonald, Université de Regina); *Algèbre en théorie des modèles* (Org. : Bradd Hart, Université McMaster/Institut Fields, F.-V. Kuhlmann et S. Kuhlmann, Université de la Saskatchewan); *Théorie des nombres (en l'honneur de David Boyd)* (Org. : Peter Borwein, Université Simon Fraser, et Michael Bennett, Illinois); *Études rigoureuses dans la mécanique statistique des modèles de réseaux* (Org. : Chris Soteros, Université de la Saskatchewan, et Stu Whittington, Université de Toronto); *Diffusion inverse et systèmes intégrables* (Org. : Jacek Szmigielski, Université de la Saskatchewan).

Toutes les activités scientifiques de la Réunion se sont déroulées sur le campus de l'Université de la Saskatchewan. D'autres activités qui ont précédé la Réunion, la réception d'ouverture et le banquet ont eu lieu à l'hôtel Delta Bessborough. Le lunch des participants du samedi 2 juin et le repas de dimanche et de lundi midi étaient compris dans les droits d'inscriptions, ce que les participants ont

The Canadian Mathematical Society's 2001 Winter Meeting was held at the Toronto Colony Hotel, from December 8-10, 2001, hosted by York University. This meeting celebrated the varied accomplishments of several of our colleagues. The **CMS Coxeter-James Lecture** was given by Kai Behrend, University of British Columbia. The **CMS Doctoral Prize Lecture** was given by Nathan Ng, formerly from UBC and now at the University of Georgia. The **CMS Adrien Pouliot Prize** for educational contributions was

awarded to George Bluman, University of British Columbia while the **CMS Distinguished Service Award** was presented to James Timourian, University of Alberta.

National Educational Forum

The CMS Board has endorsed holding a national educational forum in Montreal from May 16-18, 2003 with a follow up meeting to be held roughly nine months later in Ontario. These fora will bring together roughly 200 people from all provinces and territories representing the different groups with interest in and impact upon mathematical education in middle and high school (roughly grades 6-12). The co-organizers are Christiane Rousseau (U de M) and George Bluman (UBC), who are building the scientific programme, and the Chair of the Local Organizing Committee is Louis Charbonneau (UQAM).

Joint Meetings

At the initiation of Michel Waldschmidt, President of the French Mathematical Society, the CMS is involved in a multi-society (pure and applied) meeting in Toulouse in July of 2004. This promises to be an exciting opportunity for a primarily francophone mathematics meeting. It is a reflection of the growing interaction of CMS and CAIMS, that 2004 will also see the second joint CMS-CAIMS Meeting in the summer in Halifax.

International Congress of Mathematicians

Preparation for the next IMU Congress in Beijing in August 20-27, 2002 is well underway and I have been able to arrange a Canadian reception during the Congress, hosted at the reportedly spectacular Canadian Embassy by the Canadian Ambassador. This will be jointly sponsored by the CMS and the three national Research Institutes.

More substantively, I sit, as deputy chair, on the IMU's *Committee on Electronic Information and Communication.* The CEIC (www.math.ceic.ca) continues to make slow, but hopefully steady, progress on its charter, on issues of metadata, digital publishing, copyright and intellectual property.

In addition to writing a detailed report for the IMU Executive in Beijing, and producing such "best practice advisories", a principal goal is the development of a world-wide *MathNet* that allows one to obtain information about mathematicians and mathematics. The two primary steps are the installation of "secondary home pages" (institutional, departmental, and individual) and the integration of preprint services.

Publications

The outstanding issue for the CMS is to reorganize our publishing activities. An ad-hoc subcommittee was struck in October 2000 (chaired by Tom Salisbury) to consider these matters further. It triggered design of a business plan (now completed), to lead to a more coherent publication structure to commence in January 2003.

beaucoup apprécié. En somme, tant par le nombre de participants (285 participants, ce qui est excellent) que par sa qualité exceptionnelle, la Réunion d'été fut un franc succès.

La Réunion d'hiver 2001 de la Société mathématique du Canada s'est tenue à l'hôtel Toronto Colony du 8 au 10 décembre 2001. L'hôte de la Réunion était l'Université York. À l'occasion de cette Réunion, nous avons également souligné les réalisations de plusieurs de nos collègues. Kai Behrend, de l'Université de la Colombie-Britannique, a prononcé la **conférence Coxeter-James de la SMC**; Nathan Ng, de l'Université de la Georgie a donné la **conférence du Prix de doctorat**, et George Bluman, de l'Université de la Colombie-Britannique, a prononcé la **conférence Adrien-Pouliot**. On a aussi remis **le Prix de la SMC pour service méritoire** à James Timourian, de l'Université de l'Alberta.

Forum national sur l'enseignement

Le CA de la SMC a décidé d'organiser un forum national sur l'enseignement des mathématiques à Montréal du 16 au 18 mai prochain, avec réunion de suivi à peu près neuf mois plus tard en Ontario. Ces rencontres devraient rassembler environ 200 personnes de toutes les provinces et des territoires, qui représenteraient les groupes qui s'intéressent à l'enseignement des mathématiques à la fin du primaire et au secondaire (à peu près de la 6e à la 12e année) ou qui prennent part aux décisions s'y rapportant. Les coorganisateurs sont Christiane Rousseau (UdeM) et George Bluman (UBC), qui s'occupent du programme scientifique, et le président du comité d'organisation local est Louis Charbonneau (UQAM).

Réunions conjointes

D'après une idée de Michel Waldschmidt, président de la Société Mathématique de France, la SMC participe à l'organisation d'un congrès conjoint réunissant plusieurs sociétés de mathématiques pures et appliquées qui aura lieu à Toulouse en juillet 2004. On s'attend à une excellente rencontre mathématique, qui se déroulera surtout en français. Les rapprochements sont par ailleurs de plus en plus nombreux entre la SMC et la SCMAI. En effet, la Réunion d'été 2004 de la SMC, qui se tiendra à Halifax, se fera aussi en collaboration avec la SCMAI. Il s'agira de la deuxième rencontre SMC-SCMAI.

Congrès international des mathématiciens

L'organisation du prochain congrès de l'UMI, qui aura lieu à Beijing du 20 au 27 août 2002, va bon train. J'ai réussi à organiser une réception canadienne, dans le cadre du congrès, qui sera donnée à l'ambassade du Canada (édifice spectaculaire, à ce qu'on dit) par l'ambassadeur du Canada au Japon. La réception sera commanditée par la SMC et les trois instituts.

J'assume en outre la vice-présidence d'un *comité de l'information et des communication électroniques* de l'UMI. Ce comité (www.math.ceic.ca) progresse lentement, mais sûrement (du moins nous l'espérons) en ce qui concerne la rédaction de sa charte, les questions liées aux métadonnées, la publication électronique, les droits d'auteur et la propriété intellectuelle.

En plus de rédiger un rapport détaillé qui sera présenté au Comité exécutif de l'UMI à Beijing et de produire un guide de «pratiques exemplaires», l'un des principaux objectifs du comité consiste à développer un réseau mondial, *MathNet*, où l'on pourrait trouver de l'information sur les mathématiciens et les mathématiques. Les deux premières étapes sont l'installation de *«pages d'accueil secondaires»* (pour établissements, départements et individus) et l'intégration de services de prétirage.

Executive Director

I am very pleased to say that at the December 2001 Board Meeting, Graham Wright's appointment as Executive Director for a further two years (July 2002-June 2004) was approved. I want to express my own deep gratitude for all that Graham has offered to the CMS over the past 22 years.
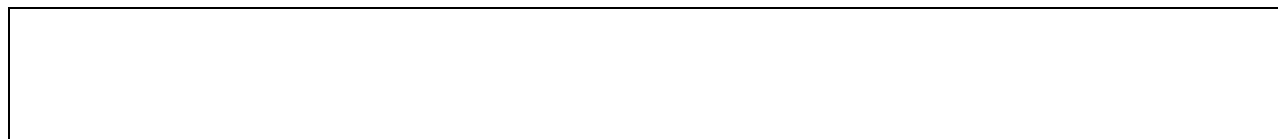
www.cms.math.ca

The Winter Meeting also marked the public launch of a revised Society website. This has two main components.   First, one may choose to navigate in French www.smc.math.ca or English www.cms.math.ca. Second, the "look and feel" has been revamped. I hope that you are as pleased as I am with the hard work done by our Web Services Manager, Alan Kelm, and his team. While the process is not yet entirely complete – no web site ever is – comments and suggestions are always welcome.

Kabol

As a pleasant surprise, one of the CMS web-pages "Knot a Braid of Links" was picked by Scientific American (www.scientificamerican.com), of May 14th 2001, as one of the top 50 scientific resources on the web. As many of you will know, Kabol adds a mathematical site every week since 1996 (the web stone age!).   Congratulations are especially due to Bob Rosebrugh who started Kabol and Nathalie Sinclair who have overseen it for the last three years.

Some Ongoing Issues

The Executive and Board have discussed a number of issues of concern for the long-term health of the Society.   For example, the CMS Publishing Plan for 2003 and beyond, prize nominations, ways to increase membership, and the future structure of our meetings.

The Canadian Mathematical Science community is now exceptionally diverse and vigorous, including not only CAIMS, CMS, MITACS and the three Institutes, but now also the *Banff International Research Station* which will begin full operation in 2003. I offer my warmest congratulations to Robert Moodie (BIRS Director), Nassif Ghoussoub (PIMS) and David Eisenbud (MSRI and AMS President-Elect) who spear-headed this remarkable achievement.

Committee Chairs and the Executive are considering how, if at all, the structure of our semi-annual meetings might be changed.   Should we offer short courses, a survey lecture series, professional development activities, and the like? I would be keen to hear opinions from members.

In Conclusion

The Society is for the most part thriving. I finish by observing, as evidenced above, that 2002 will see a markedly increased emphasis on fund raising, on membership recruitment, and on joint initiatives with other societies and groups. The CMS 2002 Summer Meeting, hosted by Laval University (June 15-17) features a wide array of sessions and an impressive list of plenary, prizes and session speakers. I look forward to seeing you in Quebec City this summer.

Jonathan Borwein
CMS President 2000-02
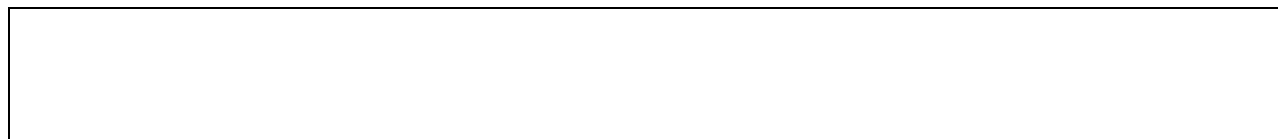
Publications

La SMC doit maintenant s'attaquer à la réorganisation de ses activités de publication. En octobre 2000, un sous-comité spécial (sous la présidence de Tom Salisbury) a été chargé d'approfondir la question. Les discussions initiales ont mené à l'élaboration d'un plan d'affaires (maintenant terminé), qui nous permettra d'avoir une nouvelle structure de publication cohérente en janvier 2003.

Directeur administratif

Je suis très heureux de vous annoncer qu'à sa réunion de décembre 2001, le conseil d'administration a reconduit le mandat de Graham Wright au poste de directeur administratif pour deux autres années (juillet 2002–juin 2004). Je tiens à exprimer personnellement toute ma gratitude à Graham pour tout ce qu'il a donné à la SMC depuis 22 ans.

www.cms.math.ca

La Réunion d'hiver a aussi marqué le lancement public du nouveau site Web de la Société. Le nouveau site se divise maintenant en deux : une partie française www.smc.math.ca et une partie anglaise www.cms.math.ca. De plus, on a revu la présentation du site. J'espère que vous êtes aussi satisfaits que moi du travail réalisé par notre gestionnaire de système, Alan Kelm, et son équipe. Le nouveau site n'est pas entièrement «fini» (aucun site ne l'est vraiment), mais nous sommes toujours ouverts à vos commentaires.

Kabol

Nous avons eu une belle surprise récemment : les pages «Knot a Braid of Links» du site Web de la SMC ont été choisies le 14 mai par Scientific American (www.scientificamerican.com) comme l'une des 50 meilleures ressources scientifiques sur le Web. Comme vous êtes sûrement nombreux à le savoir, Kabol ajoute un nouveau site mathématique par semaine à son répertoire depuis 1996 (l'âge de pierre du Web!). Toutes nos félicitations vont particulièrement à Bob Rosebrugh, qui a créé Kabol, et à Nathalie Sinclair, qui en est responsable depuis trois ans.

Quelques dossiers à l'étude

Le Comité exécutif et le Conseil d'administration discutent depuis un certain temps de dossiers ayant une incidence sur la prospérité financière à long terme de la Société, notamment du plan de publication de 2003 et des années ultérieures, des candidatures aux prix de la SMC, de façons d'accroître le nombre de membres et de la structure de nos prochaines Réunions.

En ce moment, la communauté mathématique canadienne est exceptionnellement diversifiée et vigoureuse. Elle regroupe non seulement la SCMAI, la SMC, le réseau MITACS et les trois instituts, mais aussi la *Station de recherche internationale de Banff - SRIB*, qui ouvrira officiellement ses portes en 2003. Toutes mes félicitations à Robert Moodie (Directeur de la SRIB), à Nassif Ghoussoub (Institut du Pacifique pour les sciences mathématiques) et à David Eisenbud (MSRI et président élu de l'AMS), qui sont à l'origine de cette remarquable réussite.

Les présidents de comités et le Comité exécutif ont amorcé la réflexion sur la pertinence de modifier la formule de nos Réunions semestrielles et, le cas échéant, sur la nouvelle formule à adopter. Devrions-nous offrir des mini-cours, des séries de conférences, des activités de perfectionnement, etc.? J'aimerais bien connaître l'avis de nos membres à ce sujet.

En conclusion

La Société est généralement en excellente santé. En plus des activités susmentionnées, j'aimerais également mentionner qu'on verra, en l'an 2002, une intensification des efforts de financement, de recrutement de membres et des projets en collaboration avec d'autres groupes et sociétés. La Réunion d'été 2002 de la SMC, qui se déroulera à l'Université Laval du 15 au 17 juin, offrira un programme très diversifié et une liste impressionnante de conférenciers principaux, de conférences de lauréats et de communications libres. Au plaisir de vous retrouver cet été à Québec!

Jonathan Borwein
Président de la SMC 2000-2002

CORS Travelling Speakers Program

The Travelling Speakers Program (TSP) enables local sections to bring Canadian O.R. practitioners / researchers as speakers to their local events. In order to keep costs in line while maximizing the CORS National profile, the sponsorship will be limited to travel expenses to a maximum of $500, to be matched by the local section. The expenses covered may include costs for accommodation, meals and other local arrangements.

One page in the program brochure must be contributed to CORS for advertising. An announcement of the local event and the TSP sponsored talk will appear in the *CORS Bulletin*.

To obtain approval for funding, the local section should submit an application to the TSP co-ordinator at least one month in advance of the event date. Payment will be made by the CORS Treasurer upon receipt of the expense report.

Programme de Conférenciers Itinérants de la SCRO

Le Programme de Conférenciers Itinérants (PCI) aide les chapitres locaux à inviter des praticiens / chercheurs canadiens en R.O. à donner des exposés lors d'activités locales. Pour bien gérer ses dépenses tout en maximisant sa visibilité, la SCRO Nationale limitera sa contribution aux frais de déplacement sans dépasser 500 $. Le chapitre local doit égaler ce montant, qui peut inclure des frais d'hébergement, repas et autres nécessités.

Une page du programme de l'activité doit être réservée à la SCRO pour de la publicité. L'activité et l'exposé parrainé par le PCI seront annoncés dans le *Bulletin de la SCRO*.

Pour obtenir des fonds, le chapitre local doit soumettre une demande au Coordonnateur du PCI au moins un mois avant la date de l'activité. Le paiement sera fait par le Trésorier de la SCRO sur réception du rapport de dépenses.

Application for Funding: CORS Travelling Speakers Program
Demande de Fonds: Programme de Conférenciers Itinérants de la SCRO

Organizer's name **Nom du responsable**	
Employer Employeur	
Email address Adresse de courriel	
Name of local event **Nom de l'activité**	
Host institution Institution hôte	
Place and date Lieu et date	
Speaker's name **Nom du conférencier**	
Employer Employeur	
Email address Adresse de courriel	
Title of talk **Titre de l'exposé**	

Signature _____ **Date** _____

MAIL TO / ENVOYER PAR LA POSTE À: Professeur Bernard Lamond
Département OSD
Université Laval
Québec (Qc) G1K 7P4

MEETINGS AND CONFERENCES / RÉUNIONS, ASSEMBLÉES ET CONGRÈS

**CORS Business Meetings / Séances de travail de la SCRO**

2002 June 2   6th Council Meeting, Toronto.

CORS Annual Conferences / Congrès annuels de la SCRO

2002 June 3-5   44th Congrès Annuel SCRO - CORS Annual Conference, Toronto Colony Hotel, Toronto, Ontario.   Conference Chair: David Martell, Phone: 416-978-6960, E-mail: martell@smokey.forestry.utoronto.ca.   Program Chair: Michael Carter, Phone: 416-978-8661, E-mail: carter@mie.utoronto.ca. Visit the conference web page <www.cors2002.org> for all the information.

Other Conferences / Autres congrès

2002 May 6-8   Optimization Days 2002 – Journées de l'optimisation 2002, Montréal, Canada. Organizers: Jean-François Cordeau *and* Bernard Gendron, Centre for Research and Transportation, Université de Montréal, E-mail: jopt2002@crt.umontreal.ca, Fax: (514) 343-7121, Web page: <http://www.crt.umontreal.ca/jopt2002/>.

2002 May 19-21   INFORMS Conference on OR/MS Practice – *Analyzing and Enhancing the Extended Enterprise*, Montréal, Canada. Detailed program information available at <http://www.informs.org/Conf/Practice2002>.

2002 May 26-29   Statistical Society of Canada Annual Meeting, McMaster University, Hamilton, Ontario. Visit the web site <http://www.ssc.ca/> for more information.

2002 June 5-9   Hawaii International Conference on Statistics, Sheraton Waikiki Hotel, Waikiki Honolulu, Hawaii. Visit the web site <http://hcstatistics.org> for more details.

2002 June 12-18   Ninth International Symposium on Locational Decisions (*ISOLDE IX*), Fredericton, New Brunswick. Chairman: H.A. Eiselt, Faculty of Administration, University of New Brunswick, E-mail: haeiselt@unb.ca, Fax: 506-453-3561. Conference web site: <http://www.unb.ca/conferences/isolde9/index.html>.

2002 June 15-17   Canadian Mathematical Society – Summer Meeting, Université Laval, Québec, Québec.   Visit <http://www.cms.math.ca/Events/summer02/index.html> for more information.

2002 June 27-30   INFORMS Marketing Science Conference, Edmonton, Alberta, Canada. Chair: Peter T.L. Popkowski Leszczyc, University of Alberta, E-mail: ppopkows@pop.srv.ualberta.ca.

2002 July 1-5   28th Conference on Stochastic Processes and their Applications, The University of Melbourne (Parkville campus), Australia. For more information, visit the conference web site <http://www.spa28.ms.unimelb.edu.au>.

2002 July 2-5   First Madrid Conference on Queueing Theory (MCQT'02), Madrid, Spain. Contact: Jesus R. Artalejo, Department of Statistics & Operations Research, Faculty of Mathematics, Fax: +34 91 3944607, E-mail: mc_qt@mat.ucm.es. Visit the web site <http://www.mat.ucm.es/deptos/es/mcqt/conf/html> for the latest information.

2002 July 8-12   IFORS 2002 – *"OR in a Globalised, Networked World Economy"*, University of Edinburgh, Edinburgh, Scotland. Chair of Program Committee: Professor Ben Lev, University of Michigan-Dearborn, E-mail: blev@umich.edu, WWW: <http://www.som.umd.umich.edu/ifors2002/>.

2002 July 14-18   *MAM4* – The 4th International Conference on Matrix-Analytic Methods in Stochastic Models, Adelaide, Australia. Conference Director: David Green, University of Adelaide, Australia. Further information is published on the conference web page at <http://www.trc.adelaide.edu.au>.
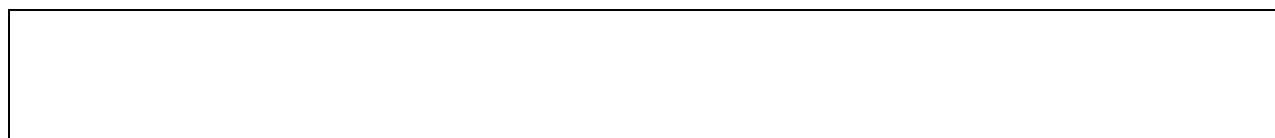
2002 July 14-18   6th World Multi-Conference on Systemics, Cybernetics and Informatics, Orlando, Florida. General Chair: Nagib Callaos, E-mail: ncallaos@usb.ve, Fax: +1 (407) 856-6274. Further details can be found by visting the conference web site <http://www.iiis.org/sci2002/>.

2002 Aug 1-3   2nd Annual McMaster Optimization Conference: Theory and Applications (MOPTA 02), McMaster University, Hamilton, Ontario. Conference Chair: Tamás Terlaky, Department of Computing and Software, McMaster University, E-mail: terlaky@mcmaster.ca. For all the latest information, visit the website <http://www.cas.mcmaster.ca/~mopta>.

2002 Aug 4-9   Conference on Modelling and Simulation Biocomplexity for Mathematicians and Physicists, Santa Fe Institute, Santa Fe, New Mexico. E-mail: mathmodel@santafe.edu. WWW: <http://www.santafe.edu/mathmodel/>.

2002 Sept 13-14   *CanQueue 2002* – 4th National Workshop on Queueing Theory and its Related Fields of Applications, Sheraton Inn, Saskatoon, Saskatchewan. Organizer: Winfried Grassmann, E-mail: grassman@cs.usask.ca, Phone: (306) 966-4898.

2002 Sept 16-20   7th International Command and Control Research and Technology Symposium, Loews Le Concorde Hotel, Québec City, Québec, Canada.

2002 Nov 17-20   INFORMS Annual Meeting, San Jose, California. Conference Co-Chairs: David W. Conrath, San Jose State University, E-mail: conrath_d@cob.sjsu.edu *and* Burton V. Dean, San Jose State University, E-mail: dean_b@cob.sjsu.edu. Abstract Submission Deadline: May 15, 2002.

2002 Dec 8-11   Winter Simulation Conference 2002 – "*Exploring New Frontiers",* Hyatt Regency San Diego, San Diego, California. Program Chair: John M. Charnes, School of Business, University of Kansas, Lawrence, KS 66045 USA, Phone: (785) 864-7591, Fax: (785) 864-5328. E-mail: jmc@ku.edu. For more information, visit the web site <http://www.wintersim.org>.

2002 Dec 17-21   International Conference on Stochastic Modelling *and* 4th International Workshop on Retrial Queues, Department of Mathematics, Cochin University of Science and Technology, Cochin, India. Chairman: A. Krishnamoorthy, E-mail: ak@cusat.ac.in, Fax: 91-0484-532495. Deadline for abstracts: September 1, 2002. Conference web site: <http://cusat.ac.in/mathsconf/html>.

2002 Dec 27-30   International Conference on Operations Research for Development (ICORD 2002), Anna University, Chennai (Madras), India. Details are available at the website <http://www.annauniv.edu/orsi-chennai/icord2002/>.

WWW Conference Listings / Listes de congrès sur le Web

CORS / SCRO Conference Page: <http://www.cors.ca/meetings/confer.htm>

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

IFORS Conferences: <http://www.ifors.org/leaflet/conferences.html>

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

SIAM Conference Home Page: <http://www.siam.org/conf.htm>