

Volume 30 Number 1

October 1996

Contents

In This Issue	2
The 1996/97 Council	4
Address of the Outgoing President	5
Address of the Incoming President	6
CORS / SCRO Financial Statements	7
From the Membership Secretary	12
1995/96 CORS Awards	12
News from South Western Ontario	12
The 1996 Harold Larnder Memorial Lecture	13
1996 CORS Award of Merit	14
The 1995/96 CORS Practice Prize	15
CORS Award of Merit: Call for Nominations	16
Compétition sur la pratique de la R.O. 1996/97	16
A Career in Operational Research (CORS Brochure)	18
NSERC Reallocations Exercise	19
Activities in Calgary	19
Le C.R.T. fête son 25ième anniversaire d'existence	20
The CORS Diploma	22
From the Ottawa Section	23
Des nouvelles de Québec	23
Smorgasbord	25
The Next Issue	26

In This Issue

This issue marks a change in the editorship of the Bulletin. Many thanks to out-going editor Chris Browne for his two year contribution to CORS. I hope that the Bulletin continues to develop into a publication of note.

The most significant event since the last issue was the IFORS / CORS Conference held in Vancouver, July 8-12, 1996. This issue will report on the CORS events such as the Larnder Memorial Lecture, the Award of Merit, the new Council, etc.

Other notable items in this issue include the announcement for the 1997 Annual Conference to be held in Ottawa, and the announcement of the 25th anniversary of the C.R.T.

The Society now has a WWW site. It can be found at:

"<http://www.cs.uwindsor.ca/cors>".

Many Bulletin items will refer to this site, as well as to other sites, as sources for additional information.

As the NSERC re-allocation exercise has a dramatic impact on research funding to members of CORS / SCRO, this issue includes an explanatory excerpt from the NSERC WWW page. Michel Gendreau's address as Incoming President, indicates that CORS will take an active role.

I hope you enjoy the Bulletin. Send comments to me at rcaron@uwindsor.ca.

Editor/Rédacteur

Richard J. Caron

Publisher/Éditeur

CORS/SCRO
Box 2225 Station D
Ottawa, Ont. K1P 5W4

Printer/Imprimeur

Grenville Management & Printing
25 Scarsdale Road
North York, Ont
M3B 2R2

Elected Officers

President
Vice-President
Past-President
Secretary
Treasurer

Officiers élus
Michel Gendreau
Roger Roy
David Stanford
Laura Logan
John Meijer

Councilors

Conseillers
Richard Caron
Erhan Erkut
Marvin Mandelbaum
Surendra Rawat

Standing Committees

Education
Membership
Public Relations
Publications
Conference

Comités permanents

David Stanford
Marvin Mandelbaum
Richard Caron
Erhan Erkut
Surendra Rawat

Ad hoc Committees

Practice Prize
Student Paper
Solandt Prize
Larnder Prize
Service Award
Merit Award

Comités ad hoc
François Julien
TBA
Surendra Rawat
Peter Bell
Roger Roy
Suresh Sethi
Jim Templeton
John Meijer
Michel Gendreau
Roger Roy
Marvin Mandelbaum

Financial Planning

High School Liaison

Membership

Secretary

George Rowan

WWW

<http://www.cs.uwindsor.ca/cors>

The 1996/97 Council

The CORS AGM, which was held on July 9, 1996 in Vancouver, marks a change in CORS leadership. Your 1996/97 Council, which is made up of the Officers of the Society, the Elected Councilors, and the Section Presidents, is given below. This information, together with complete mailing addresses, can be found at the CORS WWW site

<http://www.cs.uwindsor.ca/cors>.

Le Conseil 1996/97

On procède, chaque année, à un changement de direction à la tête de la S.C.R.O. lors de l'Assemblée générale. Le Conseil 1996/96 de la Société est entré en fonction le 9 juillet à Vancouver. Il se compose des officiers de la Société, des conseillers élus et des présidents des sections locales, tel qu'indiqué ci-dessous. Le comité exécutif du Conseil est formé des officiers et des présidents des Comités permanents. Cette information, ainsi que les adresses complètes des membres du Conseil, est disponible sur le site WWW de la SCRO

<http://www.cs.uwindsor.ca/cors..>

President	Michel Gendreau, Université de Montréal, michelg@crt.umontreal.ca
Vice President	Roger Roy, Department of National Defense, rroy@dgs.dnd.ca
Secretary	Laura Logan, Air Canada, llogan@aircanada.ca
Treasurer	John Meijer, Toronto, meijer@pathcom.com
Past President	David Stanford, University of Western Ontario, stanford@stats.uwo.ca
Councilor	Rick Caron, University of Windsor, rcaron@uwindsor.ca
Councilor	Erhan Erkut, University of Alberta, erhan.erkut@ualberta.ca
Councilor	Marvin Mandelbaum, York University, mandel@sol.yorku.ca
Councilor	Surendra Rawat, Stentor Resources Inc. and the University of Ottawa, Surendra_K_Rawat@stentor.ca
Halifax	Gilles Cormier, École Nationale Supérieure de Genie Industriel, France. 011-33-76-57-46-01
Québec	Michel Goulet, Confederation des caisses, populaires, (514) 493-0663
Ottawa	François Julien, University of Ottawa, julien@admin.uottawa.ca
Ottawa Student	Currently inactive.
Toronto	Marvin Mandelbaum, York University, mandel@sol.yorku.ca
Toronto Student	John T. Blake, University of Toronto, blake@prim.rose.utoronto.ca
Kingston	Bill Hurley, Royal Military College, hurley-m@rmc.ca
S.W. Ontario	Shailendra Jha, Wilfred Laurier University, sjha@mach1.wlu.ca
Waterloo Student	Tim Nye, University of Waterloo, tjnye@mansci.uwaterloo.ca
Winnipeg	A. S. Alfa, University of Manitoba, alfa@umanitoba.ca
Calgary	Tom Rohleder, University of Calgary, rohleder@acs.ucalgary.ca
Edmonton	Erhan Erkut, University of Alberta, erhan.erkut@ualberta.ca
Vancouver	Nadine Hofmann, hofmann@ucs.ubc.ca
Saskatoon	Winfried Grassman, University of Saskatchewan, grassman@usask.ca

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

Address of the Outgoing President: Dr. David Stanford, July 9, 1996

Mes chers amis de la SCRO / Dear CORS colleagues. I would like to briefly summarize the activities of your CORS Council over the past year.

The foremost of these has been the development of the CORS web site. This has been ably addressed by Rick Caron, this past year's membership committee chair. The URL (uniform resource locator) for our site is "<http://www.cs.uwindsor.ca/cors>". As of early July, the site contains such documents as the CORS Handbook, the Constitution, information on the CORS Diploma Program and on the Traveling Speaker / CORS Events programs, and links to other web sites. An on-line membership form should be available imminently.

Il existe déjà plusieurs de ces documents aussi en français, et le restant sont en train d'être traduit. Veuillez contacter Rick Caron pour plus d'informations. Merci encore, Rick.

The second major achievement, thanks to the excellent efforts of Ruth Harris, outgoing Education committee chair, pertains to the CORS Diploma program. 1996 represents the completion of the first year of the revised Diploma program, and over 200 diplomas were awarded at more than a dozen Canadian Universities. More are signing on this summer, such as the University of Winnipeg.

L'Université du Québec à Trois Rivières et l'Université d'Ottawa offrent déjà le diplôme de la SCRO, et nous allons profiter de l'été pour établir le programme à l'Université Laval et ailleurs. La version française des règles du programme est un peu comme le monstre de Loch Ness: bien des gens croient dans l'existence de ce document, mais personne peut la trouver! En tout cas, on vas régler la situation bientôt. (A noter: ce document a été trouvé a la fin de juillet.)

We have received nothing but positive feedback to our proposal, developed by VP Michel Gendreau, to give more money to local sections. Isn't that surprising! Assuming that feedback received later at this AGM is similarly positive, we shall proceed with a mail-in ballot within the next eight weeks as provided for in bylaw 15 paragraphs (b) and (c) of the CORS constitution.

Il y aura bientôt l'occasion pour discuter notre proposition développée par le vice-président Michel Gendreau concernant le changement dans les règles de financement des sections locales. Si la réponse est positive, nous allons faire un vote postale à l'intérieur des 8 semaines à venir, selon les articles 15 (b) et (c) de la constitution. Lastly, we have made several efforts to improve communication with local sections. (Later note: Among them is the development of a contact person among the 9 members of the CORS executive for each local section.) My sole regret with respect to local sections is that, as CORS president, I did not visit any section outside of the Ottawa-Montreal-Toronto triangle. The CORS "Ways of Work" document stipulates that each CORS President should strive to visit EVERY section during his/her year of office. However, given CORS' budgetary limitations, this is simply not a financially viable proposition.

In closing, I would like to thank Dorothy Jones, who has just completed her term as Past President, for her dedicated service to CORS and for all the advice and support she has given me over the past two years. I would also like to thank all of my other colleagues on Council for their support this past year; in particular, to Laura Logan for being my perennial "sounding board" and for her tireless work as CORS Secretary, and to John Meijer for his relentless and steady work as CORS Treasurer. I also thank Chris Browne for his two years of service to CORS as Bulletin Editor.

Et il ne faut sûrement pas oublier l'ancien vice-président Michel Gendreau, mon co-auteur et mon ami, qui mènera la société dans l'année qui vient. Je suis certain que la SCRO réussira à accomplir de bonnes choses sous sa direction. Maintenant, avec ce chape, je laisse la position du président de la SCRO à Michel Gendreau.

Please welcome our 1996-97 CORS President, Michel Gendreau.

Address of the Incoming President: Dr. Michel Gendreau - July 9, 1996

Dear CORS fellow members,

Let me first thank David Stanford, our outgoing President, for the tremendous job he has accomplished over the last year. It was a pleasure and an honour to work with him during that period. I also want to thank very warmly the outgoing Council, in particular its members who are now completing their term of service: past President Dorothy Jones and Councillors Ruth Harris and Roger Roy. I would like to extend special thanks to Chris Browne who served as Bulletin Editor over the last two years and to wish him good luck in his new undertakings.

I am also extremely grateful to the members who have volunteered to serve on the 1996-97 Council: Laura Logan and John Meijer who will be continuing for yet another term as Secretary and Treasurer, Roger Roy who will be the new Vice-President, the new Councillors Erhan Erkut and Surendra Rawat and Councillors Marvin Mandelbaum and Rick Caron who will complete their second year on the Council. Rick Caron has also agreed to become the new Editor of the Bulletin.

As new President, one of my priorities will be to continue the efforts of my predecessors to achieve greater visibility of O.R. as a profession and of CORS as our representative society. This will be accomplished through the Web page which has just been set up on the Internet, through the new brochures which should soon be available and through the Diploma program. Regarding the Diploma, a special effort will be made to introduce the program in French-speaking universities.

The coming year will also bring new challenges. One of them is the next round of the fund reallocation process among NSERC committees. For academic members of CORS who receive an important portion of their research funding from NSERC's Industrial Engineering committee, this is a critical issue since the share of NSERC funds devoted to I.E. is at stake. An information session was held yesterday afternoon to explain this reallocation process and to discuss what CORS could do about it. I want to thank Dave Martell who organized this session and all the attendees. A major element in the reallocation procedure is that

Chère amis de la SCRO,

Permettez-moi tout d'abord de remercier David Stanford, notre Président sortant, pour le travail exceptionnel qu'il a accompli au cours de la dernière année. Ce fut un plaisir et un honneur de travailler avec lui durant ce temps. Je veux aussi remercier très chaleureusement les membres du Conseil sortant, en particulier ceux dont le mandat s'achève: la Présidente ex-officio Dorothy Jones et les Conseillers Ruth Harris et Roger Roy. Tous mes remerciements à Chris Browne qui quitte son poste de Rédacteur du Bulletin après deux années de travail dur et ingrat. Je lui souhaite bonne chance dans ses nouvelles entreprises.

Je veux aussi exprimer ma gratitude la plus vive aux membres qui se sont portés volontaires pour faire partie du Conseil 1996-97: Laura Logan et John Meijer qui continueront d'assumer pour encore une autre année les tâches de Secrétaire et de Trésorier, le nouveau Vice-Président Roger Roy, les nouveaux Conseillers Erhan Erkut et Surendra Rawat et les Conseillers Marvin Mandelbaum et Rick Caron qui complèteront la seconde année de leur mandat. Rick Caron a aussi accepté de devenir le nouveau Rédacteur du Bulletin.

Comme nouveau Président, une de mes priorités sera de travailler dans la continuité des efforts de mes prédécesseurs pour augmenter la visibilité de la R.O. comme profession et de la SCRO comme société nous représentant. Cela se fera au moyen de la page Web qui vient d'être établie sur l'Internet, des nouvelles brochures qui seront bientôt disponibles, et du programme de Diplôme de la SCRO. Au sujet du Diplôme, un effort tout spécial sera fait pour assurer la participation des universités francophones au programme.

L'année qui vient amènera aussi de nouveaux défis. L'un d'entre eux est la prochaine ronde du processus de réallocation des fonds entre les comités du CRSNG. Pour les membres universitaires de la SCRO qui reçoivent une portion importante de leur financement de recherche du CRSNG, il s'agit d'un sujet critique, car la part des fonds du CRSNG consacrée au génie industriel est en jeu. Il y a eu hier une session d'information dans laquelle on a expliqué plus à fond le processus de réallocation et discuté du rôle de la SCRO dans celui-ci. Je remercie Dave Martell qui l'a organisée, ainsi que tous les participants. Un élément majeur du processus de réallocation est que chaque comité devra démontrer

committees will be asked to demonstrate the usefulness of their discipline to Canada as we move toward the 21st century. This is an area where CORS members could make a significant contribution to the process by providing success stories of applications of O.R. and similar material. The Bulletin will keep you up to date on this topic as new developments occur.

In order for O.R. to make a significant contribution to Canada's future, we need a well-integrated O.R. community where theory and practice go hand in hand. Yesterday, our Larnder speaker, Jan Karel Lenstra, mentioned that the gap between theory and practice was, in his opinion, in the eye of the beholder. Whether one agrees or not with this statement, there is certainly one issue that should be of concern to all of us, that is, the fact that the people involved in the development of theory and in the practice of O.R. too often live in separate worlds. This is an area where I believe CORS has a very special role: our National Conferences and local section activities should provide a golden opportunity for O.R. practitioners and academics to meet. This is why I will ask this year all local sections to make a special effort to organize activities allowing academics and practitioners to meet regularly and hopefully to develop new fruitful collaborations.

At this time, I would like to thank Drew Parker, President of the organizing committee of this meeting, and Peter Bell, President of IFORS, for this exceptional joint CORS-IFORS meeting.

Thank you for attending this AGM. I hope to see you again in Ottawa in May 1997 for our next CORS National Conference.

CORS / SCRO Financial Statements

The next four pages contain the financial statements presented by John Meijer at the CORS AGM, July 9, 1996, Vancouver, B.C.

l'utilité de sa discipline pour le Canada à l'aube du 21ème siècle. C'est ici que les membres de la SCRO peuvent apporter une contribution importante au processus en fournissant des exemples d'application fructueuses de la R.O. Le Bulletin vous tiendra au courant des développements futurs dans ce dossier.

Pour que la R.O. puisse apporter une contribution significative à l'avenir du Canada, nous devons avoir une communauté R.O. bien intégrée dans laquelle théorie et pratique vont de pair. Hier, notre conférencier Lardner, Jan Karel Lenstra, a mentionné que la distance entre théorie et pratique se situait, selon lui, dans l'esprit de l'observateur. Que l'on soit ou non d'accord avec cet énoncé, force nous est donnée de reconnaître que théoriciens et praticiens de la R.O. vivent trop souvent dans des mondes différents. Je crois que la SCRO peut jouer un rôle très important pour résoudre ce problème: les Congrès annuels et les activités des sections locales devraient, en effet, être des lieux de rencontre privilégiés entre universitaires et chercheurs opérationnels oeuvrant en milieu industriel ou gouvernemental. C'est pourquoi je demanderai cette année à toutes les sections locales de faire un effort particulier pour organiser des activités qui permettront de multiplier les contacts entre universitaires et praticiens et, espérons-le, d'établir de nouvelles collaborations fructueuses.

En terminant je voudrais adresser mes remerciements à Drew Parker, Président du comité d'organisation, et à Peter Bell, Président d'IFORS, pour ce congrès conjoint SCRO-IFORS tout à fait remarquable.

Merci d'avoir assister à cette Assemblée générale. J'espère vous revoir au Congrès d'Ottawa en mai prochain.

From the Membership Secretary

The 1996/97 membership dues notices for CORS/SCRO will be mailed in October. Dues remain at \$55.00. The retired members rate is \$27.50 and the student members rate is \$25.00. Payment may be made by cheque or money order. Do not post date your cheques! This can cause processing problems.

The CORS Directory is being prepared for delivery. Please update your membership information. This can be done by sending an e-mail to rowan@cn.ca, by faxing a completed membership form (see the last page) to 514-399-6346, or by completing the WWW form at

<http://www.cs.uwindsor.ca/cors/memform/corsmem.htm>.

The WWW is proving to be valuable as a tool for increasing membership. We have already received several applications from around the world.

1995/96 CORS Awards

Congratulations to the following winners of our various awards and prizes. Elsewhere in this issue is the introduction of the Larnder Lecturer, Dr. Jan Karel Lenstra, and the abstract for the Larnder Lecture; Dr. Sethi's acceptance speech for the Award of Merit; and more details on the Practice Prize. More on our awards and prizes, including a complete list of past winners, can be found on the WWW page <http://www.cs.uwindsor.ca/cors/handbook/awardsindex.htm>.

Larnder Lecturer	Jan Karel Lenstra
Award of Merit	Suresh Sethi
Service Awards	Archie Chung John Meijer Paula Gray Zimmerman
Student Prize Competition	Bob Dawson, Management Sciences, University of Waterloo, "A mixed-integer, non-linear program for oil field production planning"
Practice Prize Competition	Michel Gamache, François Soumis, Daniel Villeneuve, Jacques Desrosiers, et Éric Gélinas, "The Preferential Bidding Problem at Air Canada"

News from South Western Ontario

The new officers of the South Western Ontario Section are:

President:	Dr. Shailendra Jha, Wilfred Laurier University
Vice-President	Dr. Reza Lashkari, University of Windsor
Secretary/Treasurer	Dr. Yash Aneja, University of Windsor
Past-President	Dr. Myron Hlynka, University of Windsor

<p>UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM</p>

The 1996 Harold Larnder Memorial Lecture

The 1996 Harold Larnder Memorial Lecture was given by Dr. Jan Karel Lenstra. The introduction, given by the President of CORS / SCRO, David Stanford, is printed below.

"Dear Delegates:

It is a great honour for me as CORS President to welcome you on behalf of the Canadian Operational Research Society, the national society hosting IFORS '96. Through the excellent efforts of General Chair Drew Parker and Program Chair Theo Stewart, I am confident that an excellent conference will be the result, both from the technical and social perspectives.

Comme president de la SCRO, je voudrais aussi accueillir les délégués francophones, et tous ceux qui parlent mieux le français que l'anglais, à ce congrès. J'espère que vous allez passer un séjour très agréable et productif ici à Vancouver.

Overseas delegates may have wondered where the name "Canada" came from. It derives from "kanata", a Huron/Iroquois word for village or community. Over the next five days, we will constitute our own community of roughly 950 OR professionals. It is my sincere hope that you will leave here enriched by the experience. Perhaps you may wish to return next year for the CORS national conference to be held in Ottawa in late May.

I now turn to the task of introducing this year's Larnder lecturer. The Larnder lecture is intended to recognize distinguished international achievement in Operational Research.

Briefly, Harold Larnder was an OR pioneer who was heavily involved in the British war effort. After the war, he emigrated to Canada where he worked with the Canadian military. He then moved to Canadian National Railways, where he established an extensive O.R. group that exists to this day. The Larnder lecture is intended to commemorate Harold Larnder's international O.R. legacy.

The 1996 Larnder lecture will be given by Professor Jan Karel Lenstra of the Department of Mathematics and Computing Science at the Eindhoven University of Technology. Dr. Lenstra completed his first degree at the University of Amsterdam in 1971. His Ph.D., also from Amsterdam in 1976, was under the direction of Prof. De Leve. It was not in the area of combinatorial optimization as one might expect, but rather in the field of continuous state Markov Decision processes. From 1969 to 1989, Dr. Lenstra was affiliated with CWI in Amsterdam, along with part-time appointments from 1983-87 at Tilburg University, and from 1987-89 at Erasmus University in Rotterdam. He has had his current appointment at Eindhoven since 1989, but he continues his affiliation with CWI to this day.

Dr. Lenstra has achieved international renown in mathematical programming and, in particular, in combinatorial optimization. A short partial list of his papers and books from the mid-80s onwards lists fourteen items, and includes a 1985 book with Lawler, Rinnooy Kan, and Shmoys on the Traveling Salesman Problem; a 1991 book edited with Rinnooy Kan and Schrijver on the History of Mathematical Programming; a 1995 Handbook with Kolen on Combinatorics in OR, and a current book with Harts on Local Search in Combinatorial Optimization. It also includes papers in the journals Operations Research, Mathematical Programming, and the Journal of Algorithms, among others.

In a few minutes, Dr. Lenstra will deliver the 1996 Larnder lecture entitled "Developments in Combinatorial Optimization". Let me conclude by reading from the award scroll:

“THE CANADIAN OPERATIONAL RESEARCH SOCIETY / LA SOCIÉTÉ CANADIENNE DE RECHERCHE OPÉRATIONNELLE TO HONOUR DISTINGUISHED INTERNATIONAL ACHIEVEMENT IN OPERATIONAL RESEARCH WISHES TO RECOGNIZE

JAN KAREL LENSTRA

THE 1996 HAROLD LARNDER MEMORIAL TRUST LECTURER AT THE 38TH ANNUAL CORS CONFERENCE, HELD JOINTLY WITH THE 14TH TRIENNIAL IFORS CONFERENCE, VANCOUVER, B. C., JULY 8TH, 1996."

The abstract for the Larnder Lecture is:

"The subject of the lecture is the recent methodological and computational advances in the area of combinatorial optimization. I will focus on four types of techniques:

1. COMPLEXITY. Why is it useful to distinguish between easy and hard decision problems, and how does one do it?
2. FAST APPROXIMATIONS. Simple rules for finding good solutions often have remarkable performance guarantees. However, there may also be limits to the approximity.
3. ENUMERATE OPTIMIZATION. Providing optimality is much harder than just finding good solutions. The use of linear programming in combination with cutting planes has led to spectacular progress.
4. LOCAL SEARCH. Iterative improvement, simulated annealing, taboo search and other neighbourhood search approaches may lack provable performance guarantees but tend to work well in practice.

Although I intend to illustrate these techniques on concrete results, in particular for the traveling salesman problem, the emphasis of the lecture will be on concepts rather than technicalities. I will conclude with a few general - critical but optimistic - remarks regarding the nature of research in operations research and the relation between theory and practice."

1996 CORS Award of Merit

The following is Dr. Suresh Sethi's acceptance speech for the 1996 CORS Award of Merit.

"Thank you for the award. I am deeply honored by it. A few organizations and many people have contributed to this event. I am thankful to NSERC, SSHRC and the University of Toronto for their unwavering support of my research. I have worked with nearly 100 co-authors. Time does not permit me to name all of them. However, I would be remiss if I did not mention some of them. There is Gerry Thompson of Carnegie-Mellon with whom I have co-authored a book on Optimal Control in 1983; and Qing Zhang of the University of Georgia with whom I have co-authored a book on Hierarchical Decision Making in Stochastic Manufacturing in 1994. Some of the co-authors from whom I have learned a great deal are John Lehoczky, Steve Shreve and Mete Soner of Carnegie-Mellon; Michael Taksar of SUNY, Stony Brook; Eric Presman of the Russian Academy of Science; George Dantzig of Stanford; and Nick Derzko, Mike Gordon and Dave Quirin of the University of Toronto. I had the good fortune of having Suresh Chand of Purdue University, Richard Hartl and Gerhard Sorger of the University of Vienna, Xunyu Zhou and Houmin Yan of the Chinese University of Hong Kong and Chelliah Sriskandarajah of the University of Toronto as my research assistants and postdoctoral fellows.

Finally, I thank my wife Andrea, who is also a co-author, and my two daughters, for their love which keeps me going. I conclude this by dedicating this award to my brothers and sisters and to the memory of my mother and father."

The 1995/96 CORS Practice Prize

This report is from François Julien, Chair of the Practice Prize Committee.

Compétition de la SCRO sur la pratique de la R. O.

CORS Competition on the Practice of O.R.

<p>UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM</p>
--

La compétition de la SCRO sur la pratique de la recherche opérationnelle promouvoit l'application de la recherche opérationnelle à la solution de problèmes pratiques importants. L'évaluation des projets tient compte de nombreux aspects, tel que l'impact des travaux, la qualité de l'analyse, le degré de difficulté et la qualité des présentations orales et écrites. Seuls les applications ayant été mises en oeuvre au sein de l'organisation-cliente sont éligibles.

En 1996, bien qu'un seul article ne fut retenu finaliste pour la compétition, il est clair, d'après les commentaires élogieux des trois juges de la compétition, que cet article était du plus haut calibre. Les gagnants de la compétition 1996 sont:

Michel Gamache, François Soumis et Daniel Villeneuve (GÉRAD et École Polytechnique de Montréal); **Jacques Desrosiers** (GÉRAD et École des Hautes Études Commerciales de Montréal); et **Éric Gélinas** (GÉRAD)

L'article gagnant était intitulé "The Preferential Bidding Problem at Air Canada".

Je tiens à féliciter les gagnants pour leur excellent travail!

J'aimerais également remercier les trois juges de la compétition qui furent choisis en vertu de leur riche expérience dans l'industrie et de leur renommée: Kevin Ng, département de la défense nationale, Maurice Queyranne, Faculty of Commerce and Business Administration, University of British Columbia, et Barry C. Smith, Senior Vice-President (Research) Sabre Decision Technologies. Encore une fois, l'apport des juges fut inestimable et je leur en suis très reconnaissant.

Enfin j'aimerais souligner le travail énorme de David Stanford qui accepta, malgré ses nombreuses autres responsabilités au sein de l'exécutif national de notre société, de me remplacer et de présider la session de la compétition sur la pratique de la recherche opérationnelle en juillet dernier lors de la conférence SCRO/IFORS de Vancouver: sa collaboration fut des plus précieuses et je tiens à le remercier sincèrement de son aide.

CORS Award of Merit Call for Nominations

Nominations are invited for the 1997 CORS Award of Merit. This award acknowledges significant contributions of a present or past member of CORS to the profession of Operational Research. Significant

The purpose of the CORS Competition on the Practice of Operational research is to promote the application of operational research to important practical problems. Projects are evaluated based on several criteria, including the impact of the work on the practice of O.R., the quality of the analysis, the level of difficulty of the project, and the quality of the written and oral presentations. Only applications which have actually been implemented at the client organization are eligible.

In 1996, although only one paper was selected as finalist for the competition, it is clear, based on the very positive comments received from the three judges, that this article stands tall along with award winning papers from previous years. The winners of the 1996 Competition are:

Michel Gamache, François Soumis and Daniel Villeneuve (GÉRAD and École Polytechnique de Montréal); **Jacques Desrosiers** (GÉRAD and École des Hautes Études Commerciales de Montréal); and **Éric Gélinas** (GÉRAD)

The winning paper was entitled "The Preferential Bidding Problem at Air Canada".

Congratulations to the winners for their outstanding contribution to the practice of O.R.!

I would like to take this opportunity to thank the judges of the competition who were selected based on their rich experience in the field and in industry, and on their expertise: Kevin Ng, Department of National Defence, Maurice Queyranne, Faculty of Commerce and Business Administration, University of British Columbia, and Barry C. Smith, Senior Vice-President (Research) Sabre Decision Technologies. Again this year, the contribution of the judges was invaluable and I am extremely grateful.

To conclude, I would like to point out the tremendous contribution of David Stanford who accepted to replace me as chair of the Practice Prize Session in July at the CORS/IFORS Conference in Vancouver, despite his numerous responsibilities with the National Executive of CORS. His collaboration was invaluable and I wish to thank him sincerely for his assistance.

Prix du Mérite de la SCRO Mises en candidature

On sollicite des candidatures pour le Prix du Mérite de la SCRO de 1997. Le Prix du Mérite est décerné à une membre de la SCRO, actuel ou passé, ayant fait une contribution significative à la profession de la recherche

contributions can include:

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

Nominations may be sent by any CORS member to:

Suresh Sethi, Committee Chairman
Faculty of Management
University of Toronto
105 St. George Street
Toronto, Ontario
Canada M5S 3E6

Nominations should arrive by the 15th of January, 1997

opérationnelle. Une contribution significative peut prendre une des formes suivantes:

- l'obtention d'une reconnaissance comme praticien de la recherche opérationnelle
- le développement d'une méthodologie pertinente à l'utilisation de la recherche opérationnelle
- la supervision et la développement d'une expertise en recherche opérationnelle chez d'autres personnes
- la promotion de la recherche opérationnelle au Canada par des présentations, des articles, des livres, ou par tout autre moyen
- le service à la SCRO au niveau national ou local

Tout membre de la SCRO peut proposer une candidature à:

Suresh Sethi, Président du comité
Faculty of Management
University of Toronto
105 St. George Street
Toronto, Ontario
Canada M5S 3E6

Les candidatures doivent parvenir au comité avant le 15 janvier 1997

Compétition de la SCRO sur la pratique de la R.O. 1996/97

Chaque année, La Société Canadienne de Recherche Opérationnelle organise un concours sur la pratique de la recherche opérationnelle au Canada visant à reconnaître l'excellente application de la méthode de la recherche opérationnelle à la résolution de problèmes pratiques. Les critères considérés lors de l'évaluation des soumissions sont l'impact du projet au sein de l'organisation-cliente, la contribution à la pratique de la recherche opérationnelle, la qualité de l'analyse, le niveau de difficulté du problème et la qualité des présentations écrites et orales du projet.

Ce concours a deux objectifs. L'un est de donner aux meilleures applications de la recherche opérationnelle le crédit qu'elles méritent. Le second est d'augmenter la visibilité de la recherche opérationnelle au Canada en encourageant la présentation de communications de qualité à la conférence annuelle de la SCRO.

On s'attend à ce que les soumissions rapportent les

1996/97 CORS Competition on the Practice of O.R.

Each year the Canadian Operational Research Society conducts a competition on the Practice of O.R. to recognize the challenging application of the Operational Research approach to the solution of applied problems. The main criteria considered in evaluating submissions are project impact on the client organization, contribution to the practice of O.R., quality of analysis, degree of challenge and quality of written and oral presentation. There are two basic purposes behind the Competition, the first being the obvious one of recognizing outstanding OR practice. The other is to focus attention on OR and its applications by practitioners from Canada by attracting quality papers to the CORS National Conference.

Entries will be expected to report on a completed, practical application, and must describe results that had significant, verifiable and preferably

résultats d'une étude pratique complétée et qu'elles décrivent des résultats ayant eu un impact important, vérifiable et préférablement quantifiable sur la performance de l'organisation-cliente.

Les conditions de participation sont les suivantes.

1. Soumettre un résumé d'au plus 300 mots décrivant une application pratique de la recherche opérationnelle avant le **7 mars 1997** à:

François Julien
Faculté d'administration, Université d'Ottawa,
Ottawa, Ontario, K1N 6N5

TÉLÉPHONE: (613) 564-5800 poste 4788
FAX: (613) 562-5164
E-MAIL: JULIEN@ADMIN.UOTTAWA.CA

Les travaux peuvent s'être déroulés sur plusieurs années, mais une partie doit avoir été exécutée lors des 2 dernières années. Les travaux déjà publiés sont admissibles: cependant, on ne peut décrire un projet qui fut déjà présenté lors d'une compétition sur la pratique de la SCRO précédente.

2. Être un résident du Canada.
3. Joindre à l'envoi de l'article une lettre d'un dirigeant de l'entreprise cliente qui a rendu l'application possible, attestant de l'importance de l'application pour son entreprise et consentant à la communication des résultats.
4. Indiquer le numéro de téléphone de ou des auteurs ainsi que les noms, fonction et numéro de téléphone d'au moins un dirigeant de l'entreprise cliente qui a utilisé l'application.

Les finalistes seront choisis au plus tard le 14 mars 1997. Ils devront soumettre un rapport écrit plus détaillé sur l'application avant le 25 avril 1997 et ils feront une présentation orale lors de la conférence annuelle de la SCRO tenue à Ottawa du 26 au 28 mai 1997.

Les gagnants seront choisis en fonction:

1. du projet, qui devra illustrer l'application créative de la recherche opérationnelle à la solution de problèmes appliqués importants. Alors qu'on retrouve des difficultés d'analyse statistique et de présentation dans presque toutes les applications, on ne pourra les substituer à des difficultés d'analyse par la recherche opérationnelle.

quantifiable impact on the performance of the client organization.

To enter this year's competition you must:

1. Submit an abstract not exceeding 300 words of a paper on an actual success story of OR by **March 7, 1997** to:

François Julien
Faculty of Administration
University of Ottawa
Ottawa, Ontario, K1N 6N5
TELEPHONE: (613) 562-5800 ext. 4788
FAX: (613) 562-5164
E-MAIL: JULIEN@ADMIN.UOTTAWA.CA

The work on the project may have taken place over a period of several years, but at least some of the work must have taken place over the last two years. Previous publication of the work does not disqualify it; however, you may not report on a project which has been previously submitted to the CORS Competition on the Practice of O.R.

2. Be a resident of Canada.
3. Include a letter by an executive of the client organization that sponsored the application, attesting that this application truly had an impact and that the organization would not object to having a paper presented.
4. Include the phone number of the author(s) and the name(s), title(s) and phone number(s) of at least one executive of the client organization where the OR application was put into effect.

Finalists will be selected by March 14, 1997. They must submit a more detailed written report by April 25, 1997 and make an oral presentation of the paper at the CORS Annual Conference in Ottawa, May 26 to 28, 1997.

The winner(s) will be selected based upon:

1. The project, which should exemplify the challenging application of the operational research approach to the solution of significant applied problems. While statistical and presentational difficulties are characteristics of almost all applications, they will not be considered a substitute for operational research.
2. The quality of the analysis, of the modelling

2. de la qualité de l'analyse, de la modélisation et de la mise en oeuvre des résultats au sein de l'organisation-cliente.
3. de l'importance de l'impact des résultats et des recommandations sur la performance de l'organisation-cliente.
4. des présentations écrite et orale, dont une partie centrale est un "historique" décrivant le développement du projet de son début à sa fin, mettant en relief les défis posés aux analystes.

La compétition est dotée d'une bourse totale de 1800\$. Cependant, le comité se réserve le droit de ne pas donner de prix.

Pour plus de renseignements, veuillez contacter François Julien.

and of the successful implementation of the results at the client organization.

3. The significance of the impact of the results and recommendations on the performance of the client organization.
4. The presentation, both written and oral. A crucial part of the presentation is a "case history" of the project, which describes the project's development from start to finish, and focuses upon the challenges faced by the analysts.

A total of \$1800 in prize may be awarded by the committee: however, the committee reserves the right not to award any prize.

For more information, please contact François Julien.

**"A CAREER IN OPERATIONAL RESEARCH:
INFORMATION ON THE CANADIAN
OPERATIONAL RESEARCH SOCIETY"**

The new CORS brochure is hot off the press! Previously we used two separate brochures: one for careers, the other for CORS. To receive your copies free of charge, for use in schools, universities, local sections, or businesses, simply write to:

David Stanford, CORS Education Chair
Department of Statistics and Actuarial Sciences
The University of Western Ontario
London, Ontario N6A 5B7

**"UNE CARRIÈRE EN RECHERCHE
OPÉRATIONNELLE:
INFORMATION SUR LA SOCIÉTÉ
CANADIENNE DE RECHERCHE
OPÉRATIONNELLE"**

Ce nouveau feuillet qui sert à décrire ces deux sujets est maintenant disponible, après une longue délai! Pour obtenir un nombre gratuitement, adressez-vous à David Stanford, Chef du comité de l'éducation, à l'adresse:

NSERC Reallocations Exercise

The following is an excerpt from NSERC's WWW site at <http://www.nserc.ca>. Follow the links to program/reallocations exercise.

"As the national instrument for making strategic investments in Canada's capability in science and engineering, NSERC believes that new initiatives and emerging fields of research that have the potential to become very important should be supported. When the budget of NSERC was growing, new needs could be funded from the growth. However, now that NSERC's budget is decreasing, even the most pressing new expenditures require the reallocation of existing funds. Council has made every effort in recent years to ensure that the budget for the Research Grants Program remains stable, despite the reductions to NSERC's overall budget. Promising new developments that require support first become visible in the Research Grants program, which has the longest time horizon.

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

Changes in the disciplines or their environment also have an impact on the funding needs of the various Grant Selection Committees (GSCs).

The Reallocations exercise will determine where additional funding is most needed; up to 10% of the total funding of the Research Grants Program will be redistributed in response to submissions from the various disciplines. The overarching criterion for reallocation of support is the potential importance to Canada. The changes to GSC budgets which result will be implemented over a period of four years (1999-2002). It is undoubtedly important for Canada that each research community should be supported better than it is now, but that fact has to be more widely understood. Therefore, a very important benefit of this exercise to the entire Canadian research community is the information that the disciplines will generate in preparing their submissions. Information assembled in this exercise will be used by NSERC to communicate the important achievements, opportunities and challenges of university research to Canadian governments, industry and the general public. We believe that a broad and effective communication of the results and benefits of university research will lead to greater recognition of its importance to the nation, and higher priority for public funding."

Activities in Calgary

At their July 9, 1996 Annual Meeting, the Calgary Section elected nine councilors and the following new officers.

President	Dr. Thomas Rohleder
Vice-President	Dr. Jaydeep Balakrishnan
Secretary	Mr. Horn Walden
Treasurer	Mr. Cradock Spence
Program Director	Mr. John Heffer

The Calgary Section grew from 22 members in 1994 to 33 members in 1996. Credit for this growth is given to the successful National Conference in May, 1995. Thanks to the efforts of Alan Walker, Program Director, the Section had a very active year with six lunch time meetings showcasing a variety of speakers and topics. Increased communication with the local chapter of the Canadian Society of Industrial Engineers has also allowed the section members to benefit from their program of dinner speakers and plant tours. The Section ratified a new constitution in 1995/96, and it provides a framework for the consistent promotion of Operational Research in the local community.

THE C.R.T. CELEBRATES ITS 25th ANNIVERSARY

To mark this important event, the C.R.T. is organizing several activities that will take place between October 1996 and May 1997. Five scientific meetings will be held as part of these activities. The themes of these workshops have been chosen to reflect major areas which are important from both a research and an application perspective and represent main R & D efforts of the C.R.T. The themes covered are:

1. **OCT. 10/11 1996:** EQUILIBRIUM AND ADVANCED TRANSPORTATION MODELLING
2. **DEC 4/5 1996:** TELECOMMUNICATION

LE C.R.T. FÊTE SON 25^{ème} ANNIVERSAIRE D'EXISTENCE

Pour souligner cet heureux événement, le C.R.T. organise plusieurs activités qui se dérouleront d'octobre 1996 jusqu'à mai 1997. Parmi ces activités se tiendront cinq colloques de haut calibre portant sur des thèmes à la fine pointe de la recherche et du développement dans le domaine du transport. Ces thèmes représentent les axes majeurs de la programmation scientifique du C.R.T. et sont:

1. **10/11 oct. 1996:** L'ÉQUILIBRE ET LES SYSTÈMES INTELLIGENTS DE TRANSPORT
2. **4/5 dec. 1996:** LA PLANIFICATION DES

- 3. NETWORK PLANNING
- 3. **FEB 27/28 1997:** FLEET MANAGEMENT AND LOGISTICS
- 4. **APR. 24/26 1997:** AIR TRANSPORTATION ECONOMICS
- 5. **APR 1997:** TRANSPORTATION SAFETY

- 3. RÉSEAUX DE TÉLÉCOMMUNICATIONS
- 3. **27/28 fev. 1997:** LA GESTION DE FLOTTES ET LA LOGISTIQUE
- 4. **24/26 avr. 1997:** L'ÉCONOMIE DU TRANSPORT AÉRIEN
- 5. **avr 1997:** LA SÉCURITÉ DANS LES TRANSPORTS

These colloquia will gather leading researchers, most of whom are or have been associated with the C.R.T. Each invited speaker will cover a topic related to their expertise and will present either an overview of the research topic or a recent development. In all cases, speakers will take a comprehensive view of the topic and identify and discuss important issues that should be addressed in the future such as new applications and problems, modeling and methodological challenges and impact of new technologies.

Ces colloques rassemblent des chercheurs de réputation internationale, chefs de file dans leur domaine. La plupart de ces chercheurs ont déjà collaboré ou collaborent présentement avec le C.R.T. Dans leur traitement d'un sujet spécifique, les conférenciers invités font le lien entre les réalisations récentes et les questions importantes qui doivent être abordées dans le futur: les nouvelles applications, les défis méthodologiques et de modélisation, l'impact des nouvelles technologies, etc.

Further information about these colloquia and other celebrations will be posted and updated on the C.R.T.'s WWW site:

De plus amples informations concernant ces colloques et les autres activités sont annoncées sur le site WWW du C.R.T.:

<http://www.crt.umontreal.ca/CRT/>

<http://www.crt.umontreal.ca/CRT/>

You are all kindly invited to join us in our celebrations !

Vous êtes cordialement invités a venir célébrer avec nous!

COLLOQUE SUR L'EQUILIBRE ET LES SYSTEMES INTELLIGENTS DE TRANSPORT EQUILIBRIUM AND ADVANCED TRANSPORTATION MODELLING COLLOQUIUM			
DATE	10 et 11 octobre 1996	DATE	October 10-11, 1996
ENDROIT	Pavillon André-Aisenstadt, Université de Montréal	LOCATION	Pavillon André-Aisenstadt, Université de Montréal
FRAIS	140 CDN\$: ces frais incluent déjeuner, réception et volume des actes. (70 CDN\$ pour les étudiants.)	FEES	\$140 CDN: includes lunch, reception, and proceedings. (\$70 CDN for students.)
INSCRIPTION	Veillez nous faire parvenir votre nom, adresse, E-mail, numéro de téléphone. Faites votre chèque à l'ordre du "Centre de recherche sur les transports".	REGISTRATIO N	Send your name, address, E- mail, and phone number. Make your cheque payable to : "Centre de recherche sur les transports".
HOTELS	Nous recommandons: Hotel Terrasse Royale	HOTELS	We recommend: Hotel Terrasse Royale

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

près de l'Université,
60 CDN\$ et plus
tel: (514) 739 6391
fax : (514) 342-2512

near the University
\$60 CDN and over
tel: (514) 739 6391
fax : (514) 342-2512

Chateau Versaille
centre-ville
89 CDN\$ et plus
tel : (514) 933-3611
fax : (514) 933-6867

Chateau Versaille
downtown
\$89 CDN and over
tel : (514) 933-3611
fax : (514) 933-6867

S.V.P., indiquez que vous êtes
notre invité.

Please, indicate that you are our
guest.

POSTER / MAIL TO

Centre de recherche sur les transports
Université de Montréal
C.P. 6128, succursale Centre-ville
Montréal, Canada
H3C 3J7

téléphone : (514) 343-7575
télécopieur : (514) 343-7121
E-mail : XXV@crt.umontreal.ca

**COLLOQUE SUR L'ÉQUILIBRE ET LES SYSTÈMES INTELLIGENTS DE TRANSPORT
EQUILIBRIUM AND ADVANCED TRANSPORTATION MODELLING COLLOQUIUM**

PROGRAMME

PROGRAM

JEUDI, le 10 OCTOBRE / THURSDAY, OCT. 10

08h00	Inscription et petit déjeuner léger / Registration and light breakfast
09h00	Mot de bienvenue / Welcoming address
09h30	Activity based travel demand model systems, M. Ben-Akiva (MIT)
10h10	A perspective on long-term advances in the state of the art of urban travel forecasting methods, D. Boyce (Illinois at Chicago)
	Pause-café
11h10	Network Equilibria and Disequilibria, A. Nagurney (Amherst)
11h50	Stochastic assignment to transportation networks : models and algorithms E. Cascetta (Naples Federoco II)
	Déjeuner
14h00	Microscopic traffic simulation for ITS : recent developments, J. Barcelo (Polytecnica de Catalunya)

Coffee break

Lunch

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR
USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

14h40	A projection algorithm for the dynamic network equilibrium problem, M. Florian et J. H. Wu (Montréal)	
	Pause-café	Coffee break
15h40	Dynamic traffic assignment for route guidance simulation experiments, H. Mahmassani (Texas at Austin)	
16h20	Traffic control and equilibrium traffic assignment, M. Smith (York)	
17h00	Shortest path algorithms in transportation models : classic and innovative aspects, S. Pallottino (Perugia)	
	Réception	Reception
VENDREDI, le 11 OCTOBRE / FRIDAY, OCTOBER 11		
09h00	Solving large-scale congestion tool pricing models, D. Hearn (Florida)	
09h40	Multicriteria assignment modeling : making explicit the determinants of mode or path choice, F. Leurent (INRETS)	
	Pause-café	Coffee break
10h40	A hyperpath formulation of capacitated traffic assignment, P. Marcotte et S. Nguyen (Montréal)	
11h20	Traffic equilibrium models with side constraints, M. Patriksson (Linköping)	
12h00	Passenger assignment in congested transit networks: An historical perspective, M. Gendreau, B. Bouzaïene and S. Nguyen (Montréal)	
	Conclusion et fin de la conférence	Conclusion and end of conference

The CORS Diploma

By motion of Council, the CORS diploma is now available to everyone meeting the criteria. Please visit the CORS web site for more details or contact your local liaison person.

From the Ottawa Section: CORS 1997 National Conference

The Ottawa Section of CORS / SCRO is proud to announce the CORS' 1997 National Conference to be held in Ottawa on May 26-28, 1997. This conference will be held in cooperation with the Institute of Electrical and Electronics Engineers (IEEE), Canada. The theme is "OR and Information Technology Management".

The conference includes four plenary sessions featuring leaders from Newbridge, Nortel, National Research Council and Universities. They will cover various aspects of emerging information and multi-media technology and services. We invite you to participate in our conference by either attending, or by presenting a paper. Should you wish to organize a session, please get in touch with the Technical Program Chair.

The conference also provides an opportunity to market products and services through sponsorship. Should you wish to support CORS with your sponsorship, please contact the Conference Chair for details.

Dr. Surendra Rawat
Conference Chair
Phone: (613) 781-7472
e-mail: rawatsk@stentor.ca

Dr. Darren Meister
Technical Program Chair
(613) 520-2600 Ext 2397
e-mail: dmeister@business.carleton.ca

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR
USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

Des nouvelles de Québec

Grace à l'implication de plusieurs étudiants du Département Opérations et Systèmes de Décision (Faculté des Sciences de l'Administration, Université Laval), les événements suivants ont été réalisés au printemps 1996 dans le cadre des activités de la section locale de Québec de la SCRO.

Une conférence sur la logistique intégrée présentée par Monsieur Albert Goodhue du Groupe GCL, organisée en collaboration avec l'Association des Étudiants en Gestion des Opérations et de la Production et le Département OSD. Le conférencier a expliqué dans des termes clairs le concept de la chaîne logistique et son importance pour le gestionnaire. Les tendances actuelles et les nouvelles technologies dans le domaine de la distribution physique ont aussi été abordées par M. Goodhue qui a terminé sa présentation en évoquant différents cas pratiques d'implantation. La conférence était grandement appréciée par l'auditoire, composé en grande partie d'étudiants du premier cycle et gestionnaires de demain.

Le "Challenge SCRO", un concours de résolution de cas organisé par un groupe d'étudiants du doctorat en OSD. Le but de ce concours est de promouvoir la pratique de la RO auprès des étudiants des deux premiers cycles en sciences de l'administration et en génie industriel. Le concours de cette année consistait à formuler un problème réel en industrie et à proposer une méthodologie de résolution. Félicitations à Stéphane Hamelin et Dominique Bouvier, étudiants du premier cycle en sciences de l'administration, pour avoir remporté la première édition de ce concours.

Nous offrons nos remerciements à toutes les personnes qui ont contribué au succès de nos activités et nous vous invitons à consulter notre nouvelle page d'accueil W3 sur l'internet:
<http://www.fsa.ulaval.ca/dept/monade/scro.html>

Aaron Luntala Nsakanda, Candidat au doctorat et Conseiller de SCRO-Québec

News from Quebec City

Thanks to the involvement of several students from the Department of Operations and Decision Systems (Business School, Laval University), the following events have taken place in the Spring of 1996 as part of the activities of the CORS Quebec Chapter.

A conference on integrated logistics presented by Mr. Albert Goodhue of the Group GCL, organized jointly with the Association of Students in Operations and Production Management and the OSD Department. The speaker explained in clear terms the concept of logistic chain and its importance for the manager. Current trends and new technologies in the area of physical distribution were also entertained by Mr. Goodhue who ended his presentation by evoking different real world cases. The conference was greatly appreciated by its audience, composed in large part of undergraduate students, tomorrow's managers.

The "CORS Challenge", a case resolution contest organized by a group of doctoral students in OSD. The goal of this contest is to promote OR practice among both undergraduate and master students in business administration and industrial engineering. The contest this year consisted in formulating a real industrial problem and proposing a solution methodology. Congratulations to Stéphane Hamelin and Dominique Bouvier, undergraduate students in business administration, the winners of this first edition of the Challenge.

We offer our thanks to all people who contributed to the success of our activities and we invite you to consult our new home page on the WWW:
<http://www.fsa.ulaval.ca/dept/monade/scro.html>

Aaron Luntala Nsakanda, Ph.D candidate and Councilor of CORS-Quebec

YORK UNIVERSITY

Applications are invited for a tenure-track appointment at the **Assistant Professor** level in the **Department of Mathematics & Statistics** in the area of **Operations**

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM)

Research or Financial Mathematics to commence July 1, 1997, subject to budgetary approval. The successful candidate must have a PhD and is expected to have established a record of research and teaching excellence. **The selection process will begin on January 30, 1997.** Applicants should send resumes and arrange for at least three letters of recommendation to be sent directly to:

George L. O'Brian, Chair
 Dept. of Mathematics & Statistics
 York University
 4700 Keele Street
 North York, Ontario, Canada
 M3J 1P3

e-mail: chair@mathstat.yorku.ca
 Fax: (416) 736-5757
 WWW: <http://www.math.yorku.ca>

York is implementing a policy of employment equity, including affirmative action for women faculty. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents.

Smorgasbord

CORS / SCRO Business Meetings

96 Nov 29	Meeting of the CORS/SCRO Executive, Montreal
97 Jan 31	3 rd Meeting of the 1996/97 Council, Toronto
97 May 26-28	4 th Meeting of the 1996/97 Council, Ottawa
	CORS / SCRO Annual General Meeting, Ottawa
	1 st Meeting of the 1997/98 Council, Ottawa

CORS / SCRO Annual Conferences

97 May 26-28	39 th Congrès Annuel SCRO - CORS Annual Conference, Ottawa, Ontario. In Cooperation with IEEE. Contact CORS97@business.carleton.ca and visit http://www.business.carleton.ca/cors97 . Conference Chair: Surendra Rawat (rawatsk@stentor.ca). Abstract deadline is January 6, 1997.
98 Apr 26-29	40 th Congrès Annuel SCRO - CORS Annual Conference, Montreal, Québec. This is a joint meeting with INFORMS. General Chair: Paul H. Mireault.
99 Jun 7-9	41 st Congrès Annuel SCRO - CORS Annual Conference, Windsor, Ont. General Co-Chairs: Richard Caron and David Stanford.
00 Spring	42 nd Congrès Annuel SCRO - CORS Annual Conference, Alberta. General Chair: Erhan Erkut

Other Conferences

96 Nov 3-6	INFORMS Atlanta, Hilton and Tower. General Chair: Faiz A. Al-Khayyal.
97 Mar	13th International Conference on Multiple Criteria Decision Making

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

- 97 May 4-7 INFORMS San Diego, Town and Country Hotel. General Chair: Fred Raafat.
 97 May 12-14 Optimization Days 1997/ Journées de l'Optimisation 1997, Montréal, email:
 jopt97@crt.umontreal.ca.
- 97 Jul 14-17 EURO XV / INFORMS XXXIV, Barcelona, Spain. General Chair: Jaime
 Barceló (barcelo@eio.upc.es).
- 97 Aug International Symposium on Mathematical Programming, Lausanne,
 Switzerland.
- 97 Aug Nordic Operations Research Conference, University of Copenhagen,.
 97 Oct 26-29 INFORMS Dallas, Hyatt Regency,. General Chair: Paul A. Jensen.
 97 Nov 25-28 ICORMS-ICORD 1997, Metro Manila, Philippines, Co-Chairs: Elvira A.
 Zamora (elvira@mnl.sequel.net), Aura C. Matias (matias@engg.upd.edu.ph),
 Mary Ann V. Capistrano (avistro@pusit.admu.edu.ph).
- 97 Nov 30-Dec 4 APORS '97, The Fourth Conference of the Association of Asian-Pacific
 Operational Research Societies, within IFORS, Melbourne, Australia. Co-
 Chairs: Santosh Kumar & Moshe Sneidovich (apors97@sci.monash.edu.au;
 http://www.maths.mu.oz.au/~worms/apors/apors.html)
- 98 Mar APMOD 98, Applied Mathematical Programming and Modeling, Cyprus,
 98 Jun 28-Jul 1 INFORMS Tel Aviv, Hilton/Tel Aviv University. General Chair: Jacob Hornik.

WWW Conference Listings

CORS/SCRO Conference Page

<http://www.cs.uwindsor.ca/cors/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>

Harvey Greenberg's list of Conferences

<http://www-math.cudenver.edu/~hgreenbe/otherweb.html>

Michael Trick's list of Operations Research Conferences and Journals

<http://mat.gsia.cmu.edu/confer.html>

The Next Issue

The next issue of the Bulletin, which will be accompanied by the updated Membership Directory, will appear in early to mid December. It will feature announcements for all CORS prizes; and an abstract submission form for the upcoming National Conference in Ottawa.

Your contributions to the Bulletin, especially news on the activities of local sections, are welcome and appreciated. Please submit all contributions to:

Richard J. Caron, CORS Bulletin Editor
 Dept. of Mathematics & Statistics
 University of Windsor
 401 Sunset Avenue

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR
 USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

Windsor, Ontario N9B 3P4

email: rcaron@uwindsor.ca

fax: 519-971-3649

The deadline is November 22, 1996.

UPDATE YOUR MEMBERSHIP INFORMATION: E-MAIL ROWAN@CN.CA OR FAX 514-399-6346 OR
USE THE WWW FORM AT [HTTP://WWW.CS.UWINDSOR.CA/CORS/MEMFORM/CORSMEM.HTM](http://www.cs.uwindsor.ca/cors/memform/corsmem.htm)

CORS Bulletin Advertising Policy

Ads cost \$120 per page, proportional for fractional pages. There is no charge for items of significant value to members of CORS, such as notices from other Societies and "Job Wanted" or "Job Available" ads. Logos and prepared layouts can be accommodated.

Meetings are listed in the Smorgasbord. This service is free for non-commercial meetings, and \$25 for commercial meetings. The announcement will continue to appear until the meeting takes place.

Direct inquiries to the Editor.

Politique de publicité du bulletin de la SCRO

Le coût d'une annonce est de 120\$/page et varie en proportion pour les annonces de moindre longueur. Les annonces qui présentent un intérêt particulier pour les membres de la SCRO, comme les annonces d'autres sociétés, les offres d'emploi, et les offres de service, sont gratuites. Les annonces peuvent contenir des logos et des schémas.

Les annonces de conférences sont placées dans le Smorgasbord. Ce service est gratuit pour les conférences non commerciales et coûte de 25\$ pour les conférences commerciales. Ces annonces paraissent dès leur jusqu'à la tenue de l'événement.

Contactez le rédacteur pour toute autre information.