



McGill

C e n t r e f o r

Intelligent Machines

MOSAIC, the INTERNET and CIM

You have probably heard about the *World Wide Web* (written *www* or *Web* for short) or at least about *Mosaic*. If you have not yet encountered the Web, the best way to know about it is to try activating *mosaic* from your X terminal soon (this can be done by typing "mosaic &" from your xterm window).

Mosaic is a graphical interface used to ride smoothly through the Internet information superhighway. It allows you to navigate in a very convivial way. You can download music and videos, for instance, at the click of a button. It will even play them on your machine once it's downloaded.

Presently, three CIM "enthusiasts" (Nigel Ayoung-Chee <ayoung>, Benoit Dubuc <benoit> and Nadim El-Fata <zick>) have formed the "CIM Web Tiger Team" and are working on organizing CIM information pages to give a description of the research being performed, the projects being studied at the Center and other general information such as the CIM directory, the Guide to the Perplexed, e.g. info on where to find pizza at night ;-), Recommended Courses, Technical Reports, etc... At this very moment this CIM information database can be browsed through Mosaic and should be useful for people both within and outside CIM (i.e. all the other Web users including your Mom).

We need your help, however, for two things: 1) to provide us with (interesting) information about yourselves, and 2) to give us feedback about the setup of the information database. We encourage you to browse through Mosaic and send us your comments and suggestions - ways to improve, information to add, ... etc.

Volume 8, Number 10, October, 1994

Newsletter

If you want to have a better understanding of the Wold Wide Web, you could start by consulting:

"The World-Wide Web Initiative"

T. Berners-Lee, R. Cailliau, N. Pellow, A. Secret
Proc. INET '93

Submitted by the CIM Web Tiger Team

Writing that winning resume...

There will be a seminar for CIM students on October 31 on resume writing. The speaker will be Irene Gloor, a career development counselor. The seminar will be held in room 437 from 2-3:30 pm. This seminar is the first in a series of three, the other two will take place in the New Year and are entitled: 'Interview Techniques' and 'How to Find a Job'. Hope you can make it!

HELP WANTED

Experienced, intelligent person,
energetic, good language skills.

New Code of Conduct for users of McGill computing facilities

McGill Computing Facilities (MCF) are intended to support the academic mission and the administrative functions of the University. This Code of Conduct states the principles regarding the use of MCF. They complement and supplement rather than replace other policies concerning appropriate conduct of staff and students.

McGill Computing Facilities include any computer, computer-based network, computer peripheral, operating system, software or any combination

thereof, owned by McGill University or under the custody or control of McGill University.

The following principles apply to all McGill staff, students and other users of the McGill Computer Facilities. Users shall:

1. Be responsible for using these facilities in an effective, ethical and lawful manner.
2. Use only those facilities for which they have authorization, whether these facilities are at McGill or at any other location accessible through a network.
3. Take all reasonable steps to protect the integrity and privacy of the MCF including software and data. In particular, users shall not share with others the access codes, account numbers, passwords or other authorization which have been assigned to them.
4. Respect the copyrights of the owners of all software and data they use.
5. Respect the policies established by the administrators of external networks such as RISQ, CA*net, NSFNET when using such networks. They shall also respect the policies established by the administrators of local computing facilities at McGill.
6. Respect the privacy of others. This includes, but is not limited to, respecting the confidentiality of E-mail, files, data and transmissions.
7. Refrain from using MCF for unauthorized commercial activities.
8. Refrain from using MCF for any unauthorized or illegal purposes. Such purposes might include destruction or alteration of data owned by others, interference with legitimate access to computing facilities or harassment of users of such facilities at McGill or elsewhere, unauthorized disruption of MCF, attempts to discover or alter passwords or to subvert security systems in MCF or in any other computing or network facility.

9. Properly identify themselves in any electronic correspondence and provide valid, traceable identification if required by applications or servers within the MCF or in establishing connections from the MCF.

Users have a right to a reasonable expectation of privacy. However, system failures or design faults may compromise this privacy and users should also recognize that authorized McGill personnel may have access to data and software stored on MCF while performing routine operations or pursuing system problems. Users should further recognize that, as specified in the relevant administrative policies at McGill, authorized McGill personnel have the obligation to take reasonable and appropriate steps to ensure the integrity of MCF and to ensure that this Code is observed.

Any violation of this Code may be prosecuted in conformity with the relevant University policy (Code of Student Conduct, Personnel policies, etc.) and the principle of due process.

A companion interpretation document is available giving specific and current details about this policy. Any questions concerning this Code should be directed to the user's local system manager or the McGill Computing Centre.

NEWS AND EVENTS

Hats off to:

 **Dr. Michael Langer**, who successfully defended his thesis "Shading Computations on the Radiation Manifold" and has decided to stay at CIM for another year as a post-doc. Current projects include an extension to "shape-from-shading on a cloudy day" algorithm to indoor lighting conditions. He calls the new algorithm "shape-from-shading under candlelight". A second project is to compute scene layout from a sequence of shadow images. The shadow images are obtained by moving a light source to different positions in the scene, and thresholding the grey level images. The algorithm allows one to see objects which might not be visible in the image. Michael's other ambition is to learn German, so that he can understand his wife when she's angry at him.

📧 Congratulations to Dr. Lee Iverson, a former student of Prof. Zucker who has been nominated for the 1995 NSERC Doctoral Prize.

Welcome to:

📧 Among the many students in room 434 are two exchange students from Denmark: **Michael Stottrup** and **Morten Lindholm**. They are from the Technical University of Denmark which is located 20 km north of Copenhagen (capital of DK). This is an engineering school of about 10,000 students. They chose McGill and CIM, because of recommendations by friends in Denmark and the States, and they say that so far McGill has fulfilled all their expectations. Both are studying control & robotics under Prof. Caines' supervision.

Besides studying, Morten likes skiing (downhill/X-country) and scuba-diving. Michael on the other hand says that when he's not studying, which is most of the time, he enjoys playing/watching tennis, badminton, squash and basketball. He invites you to drop by their office to meet them or set up a game.

📧 **Dr. Baoyin Wang**, a senior engineer, comes to CIM from the China Flight Establishment, Xian, China. He graduated from the Department of Automatic Control of the Western Polytechnical University in the same city. Dr. Wang has since worked on the design of real time data acquisition systems. He will work with Dr. Belanger on robot control system.

He has already acquired a great deal of data about city of Xian, one of the hottest tourist cities in China, Mr. Wang would like to do some homework on Montreal, one of most popular cities in Canada. His powerful data acquisition system was immediately in operation when he first stepped into Room 426 two weeks ago. It would not be surprising if he learns more than any of us about Montreal, Quebec and Canada when he returns to China 12 months from now .

📧 **Altaz Bhanji** did his undergrad at the University of Waterloo in Systems Design Engineering. His academic interests are in the areas of image processing and pattern recognition which he is pursuing under the supervision of Prof. Levine. During his free time (besides sleeping) he likes to play hockey, baseball/softball as well as soccer.

📧 **Shailendra Mathurs** and **Santanu Roymoulik (Roy)**, both Masters students of Prof. Ferrie, are now working at M3i Systems at Longueuil developing software for their Outage Management System. They are in the process of completing their theses at the same time. Roy adds that on August 27th, Shailendra got married to Julie in a small gathering (about 300 people).

CIM Bowling Competition:

CIM held its *1st Open Invitational Semi-Frequent Bowling Tournament* on September 15th. Competition was tight, and the display of such unconquerable bowling skills intimidated all other bowlers, with the result that the CIM squad had the whole bowling alley to themselves.

This being the first tournament, for lack of a better system the winners were chosen based on the total score of the individual games played. The winning score and other awards were handed out at the highly successful and well-attended banquet at the Ritz-Carleton that followed the tournament.

A summary of the prizes awarded is as follows:

- Highest Total Bowling Score: (and overall top bowler): Robert Lucyshyn
- Second Highest Total Bowling Score: Ferhan Bulca
- Highest Individual Game Score: Ferhan Bulca, with 182
- Most Strikes in a Row: Ferhan Bulca, with 5

- Highest Score without showing up for the Tournament: Anna Lin, with 0
- Most Unorthodox Bowling Style: Ahmed Helmy
- Most Wicked Bowling Curve: Robert Lucyshyn
- Best Use of a Hypnotically-Coloured Bowling Ball: Farzam Ranjbaran
- Special Award of Merit for surviving the ride to the alley in Ahmed's car: Paul MacKenzie

The 2nd CIM Open Invitational Less-Frequent Bowling Tournament was scheduled for October 6th, but due to excuses like prior engagements, funding cuts, hot dates, Ferhanophobia (fear of high bowling scores) and "the dog ate my homework" no players were available for the competition. It will, however, be rescheduled as soon as possible; the new date will be posted in your friendly neighbourhood motd.

Submitted by Paul Mackenzie



Articles & ideas are welcome. Please send them by e-mail to the editor. Deadline for publication is the 7th of every month.

Editor: Janet Burghardt (e-mail: jmb@cim.mcgill.ca)

Associate Editors: Paul Mackenzie
Kathleen VanderNoot

The CIM Space Game

CIM is in a space crisis! You can help! The research groups, equipment, etc in the left column needs to be arranged in a way that optimizes space. Through careful study, the areas in the right column have been determined to be feasible sites. To do your part, match the folks in the left column to a site in

the right column which you think best suits them. You may use a site more than once if floor space permits.

Let's work together to make CIM a better place!!

Activity or Equipment

Site

- | | |
|-------------------------------------|------------------------------|
| 1. vision group | A. Room 418 |
| 2. robotics group | B. Room 416 |
| 3. mobile robotics group | C. Room 414 |
| 4. CIM network servers and computer | D. Lounge (Rm 444) |
| 5. visiting scholars' office | E. Visitor's office (Rm 445) |
| 6. seminar room | F. Seminar Room (Rm 437) |
| 7. lounge | G. Storage room (Rm 466) |
| 8. microwave oven | H. CIM hallways |
| 9. colour CCD cameras | I. Men's washroom |
| 10. Junk from storage room | J. Janet's office |
| 11. Jonas' book collection | K. Elevator shafts |
| 12. IRIS posters | L. Anna Lin's apartment |
| 13. refridgerator | M. Women's washroom |
| 14. CIM massage parlour | N. Gal Sela's car |
| 15. petting zoo | O. Trash bin |
| 16. ice cream stand | P. Amelio's Restaurant |
| 17. CIM sparring ring | Q. Space under floor tiles |
| 18. Gilbert Soucy's bicycle | R. Inside mobile robot |

Submitted (in jest) by Paul Mackenzie

PGSS - Movies at Thomson House

Just in case you hadn't heard, Thompson House offers free movies to all graduate students and their guests. Movies are shown Monday, Tuesday and Wednesday evenings; the dates and times for the next month are shown below. A complete schedule also containing movie synopses is available from Thompson House.

"Love and Human Remains":

October 10, 20h30
October 11, 18h00 and 21h30
October 12, 18h00 and 21h30

"Enchanted April":

October 17, 20h30
October 18, 18h00 and 21h30
October 19, 18h00 and 21h30

"Wolf":

October 24, 20h30
October 25, 18h00 and 21h30
October 26, 18h00 and 21h30

"In the Name of the Father"

October 31, 20h30
November 1, 18h00 and 21h30
November 2, 18h00 and 21h30

"The Flintstones"

November 7, 20h30
November 8, 18h00 and 21h30
November 9, 18h00 and 21h30

and for McGill Music Lovers

You are invited to attend free concerts brought to you by the McGill Faculty of Music. These concerts are performed by students, faculty, and sometimes by special guest musicians. Hey, free concerts -- bound to be within every student's budget. All concerts are held in Pollack Hall at 20h00.

October Schedule:

Wednesday 12th: Les Sonneurs: music from Italy, circa 1560

Friday 14th: McGill Wind Ensemble; works by Tallis, Jacob, Dalby and Reed

Tuesday 18th: Bridget Hunt, violin; Lydia Wong, piano; works by Beethoven, Ysaye, Prokofieff, Ravel, Raum and Kulesha

Wednesday 19th: Karen Buck, soprano; Lenore Alford, piano. Works by Bach, Schubert, Rachmaninoff and Hetu

Friday 21st: McGill Percussion Ensemble. Works by Ravel, Adams, Vigneault, Strayhorn, Brown, and Spears

Monday 24th: McGill Alumni Series. Emlyn Ngai, violin; Steven Larson, viola; Mark Fraser, cello; Eugenie Ngai, piano. Works by Schumann, Ravel and Brahms

Tuesday 25th: McGill Faculty in Concert. Madeleine Palmer, soprano; Deborah Kraus, mezzo-soprano; Olga Gross, piano. Works by female composers: Leonarda, Malibran, Lang, Boulanger and Keig

Wednesday 26th: McGill Jazz Combos

Thursday 27th: Paul Berkowitz, piano. Works by Schubert and Brahms (this concert is presented by CBC, and usually is well attended)

C I M T O P T E N

Ten Top things NOT to do at your thesis defense:

- ⑩ "Charge the mound" when a professor beans you with a high fast question.
- ⑨ When a professor asks you a question, argue with your imaginary twin over the final answer.
- ⑧ Rearrange the chairs into a peace symbol.
- ⑦ Refer to your supervisor as "my helper."
- ⑥ Challenge a professor to a duel (slapping him/her with a glove is optional).
- ⑤ Use a Barbershop Quartet to highlight important points.
- ④ Ask imaginary helpers to change transparencies; fly off the handle when they don't.
- ③ Have bodyguards at your sides as you talk. The bigger, the better. Have a questioner thrown out "as an example."
- ② Enforce a two-drink minimum.
- ① Have someone wheel in a big cake with you in it. Jump out and begin.

Submitted by Paul Mackenzie