TC on MVL

Agenda for
Executive Committee Meeting
in ISMVL-2005

Saturday 9 - 9:20 Plenary Session

Date: May 20, 2005

Time:12:15-13:00

Place: MacEvan Hall

Secretary

- Professor Michael Miller cannot attend because of family emergency.
- We need to find a secretary for this meeting and plenary session.
- Any volunteers?

IEEE Computer Society Technical Activities Board (TAB) Meeting. 1

- 17-19 June, Kansas City Marriott Downtown, Kansas City, Missouri, USA. Perkowski attended.

- 17-20 November 2004, New Orleans, TAB meeting. Marek Perkowski attended.

- He presented state of our Technical Committee.

- Reported two new awards and the CDROM initiative.

- The idea of talking head was very liked by the committee, collaboration with new Electronics Arts committee was encouraged.

- In general, collaboration with other TC is strongly encouraged.

IEEE Computer Society Technical Activities Board (TAB) Meeting. 2

- Services committee, Periodicals,
- TECA - New Data Base of members and information about works of committees. Marek Perkowski will update it.
- Collaboration on quantum computing.
- New edition of TAB operations manual
- I have many useful documents that I will share with new chair when elected. I printed myself award manual with the list of all awards.
- Consider possible new TAB/IEEE-wide activities to draw attention to the technology and to our activities in the technology
- Worthy to read IEEE Volunteer resources on WWW

IEEE Computer Society Technical Activities Board (TAB) Meeting. 3

- "Emerging technologies" are hot – new committees grow to few thousands in few years. Especially nano and Internet technologies.
- Tutorials and short courses
- New Fellows
  - Electronic Fellows database
- Teleconferences
- Dealing with plagiarism.
- Resume of contacts with Cuba, Iran, Sudan, etc suspended in 2002.
- Publishing obituaries in IEEE press.
- Report to IEEE Special issues, meetings,
- Collaborate with IEEE Education Society. Boy scouts, Girls . student camps, many initiatives, especially for US students.
- Neural Nets changed name to Computational Intelligence, includes fuzzy and evolutionary
- There are many ways how EVERYBODY can be involved.

TECA

- The IEEE Computer Society's Technical Activities Board has recently initiated a new on-line application for managing and tracking Technical Committee Activities and Membership.

- This application is called the Technical Committee Archives (TECA).

- Within TECA, you may create or modify your memberships and services online, sign-up or renew for up to 4 Technical Activities, maintain current contact information and view your activities.

  http://www.computer.org/services/teca

Outstanding Issues and Ideas

- Model class syllabus/slides in MVL
- Use money generated by CDROM for student award (so far I still have enough money for few more years)
- Student Design Competition Award? Or is Soft-Computing enough? Robot kits? MVL software kits?
- Software for us and other IEEE groups – encouraged by IEEE.
- I remember about:
  - 1. nominating our members for IEEE Awards
  - 2. report of yearly activities.
  - 3. updating database.
  - 4. updating MVL WWW
  - 5. updating TC WWW.
  - 6. New TC chair election – with T. Sasao and C. Moraga?
- Anything else for me to do?

Issues for further consideration

- policy on multiple paper submissions – decided last year? Any other similar issues?

- How to avoid errors in printed papers, communications with IEEE publications board.

- what the TC can do to help attract strong graduate student to the area

- whether the MVL-TC should become a sponsor of the Boolean Problems workshop in held in Europe.

- Repeat great presentations and more tutorials

- People publishing in MVL, why not with us?

Issues for further consideration

- India full of people who are good in math.
- How to motivate them?
- Identify somebody from there
- Algebra has many researchers. Money. Price of registration.
- More students.

Executive Committee (2005)

- Chair: Marek Perkowski
- Vice-Chairs
  - Publicity and Marketing: Hajime Machida
  - Workshop and Tutorials: Takahiro Hanyu
  - Publication: Ivan Stojmenovic
    - Responsibility of Vice-Chair of TC will be organization of tutorials at ULSI and ISMVL

- Secretary: Mike Miller
- Treasurer: Ali Sheikholeslami
- Past chair: Tsutomu Sasao
- Bulletin/Web page editor: Yutaka Hata

TC on MVL

From Last Year Minutes

- There was a discussion of the role of the Vice-Chair for Technical Activities.

- The consensus was that this position was not sufficiently distinct from the Vice-Chair for Tutorials and Workshops.

- It was suggested that the position become a Vice-Chair for Publications and that I. Stojmenovic would be a good choice for the position.

Members at Large

- Radomir Stankovic (2003-2005)
- Bogdan Falkowski (2004-2006)
- Yutaka Hata (2004-2006)
- Gerhard Dueck (2005-2007)
- Naofumi Homma (2005-2007)

Report on ISMVL 2004, Toronto

Ali Sheikholeslami

Registration

Paid Advance:

    Members: 43

    Non-members: 20

    Students: 16

Paid Late:

    Members: 3

    Students: 2

Complimentary: 2

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Total: 86

Report on ISMVL 2004, Toronto

Budget

    Total Income: US$ 27,594.95
    Total Expenses: US$ 27,483.11
    -------------- -------------
    Surplus: US$ 111.83

    Please note that the Total Expenses include a 14%
    Administrative Service Fee to the Computer Society
    (US$2121.04).
An electronic copy of the final budget spreadsheet was sent to the IEEE
    Computer Society, as well as to Prof. Perkowski, Prof. Sasao, and
    Svetlana Yanushkevich.

    A cheque for a total amount of US$ 2232.87 (which
    includes both the service fee and surplus) was sent
    on Dec. 14, 2005, to the IEEE Computer Society.

ISMVL Digital Archive

This project was successfully finished towards the
   end of the summer (Thanks to tireless efforts of
   Laura Fujino).
They sent a copy of the final CD to all who made an
   advance purchase during the symposium.

They still have a number of CD's at the University of
   Toronto.

Laura Fujino has kindly agreed to take along 20 of these
   CD's with her to ISMVL 2005.

Please feel free to sell these CD's at the symposium and
   use the proceeds towards the ISMVL 2005 expenses.

Award

- Award for Outstanding Contribution by Young Researcher (within limit of 5 years after graduation)
- Present him/her with a plaque "For achievement in Multiple-Valued Logic"
- If there is more than 1 author, then the presenter is awarded.
- 1. Nominations from referees and statement of eligibility
- 2. Presentation quality
- 3. Committee members should attend sessions where candidate papers are presented.
- 4. This will be the responsibility of Symposium Committee
- Put this to journal.

Soft-Computing Award

- **Reminder**

- From award announcement:

- There is a condition that the paper is related to some software or hardware practically used by the authors to enhance the intelligence of the MUVAL robot. This way, the robot hardware/software/knowledgeware system will grow with each year award, and every year the updated system will be demonstrated at the ISMVL conference by one of the awarded researchers."

Soft-Computing Award

- Proposed candidates
- 1. Christian Posthoff– SAT Solver at ULSI – many uses of SAT technology in soft computing and robotics.

- 2. Phil Serchuk – 2.5 score from ISMVL reviewers, MS student, Department of Philosophy, fuzzy logic and expert system. Paper much related to robot head – robot emotions, etc.

- 2. Yukihiro Iguchi – knowledge of FPGA technology, would be able perhaps to demonstrate some practical technology on the robot head.

- 3. Rodrigo Salas – Computers Science, paper has 2.0 score from ISMVL reviewers. Fuzzy if-then-else rules, practical software. Can be used on the robot.

- They will be encouraged to write a small proposal what to do with the robot.

Young Researcher Award

- Proposed candidate
- 1. Phil Serchuk – 2.5 score from ISMVL reviewers, MS student, Department of Philosophy, fuzzy logic and expert system.
- Nobody else qualifies.
- We should still select "Best paper awards for ISMVL 2005" and give plaques next year, as we do traditionally.

Best Paper Awards

- L. Haddad and I. Rosenberg, Partial Clones Determined by Concatenated Relations – 3 points.
- K. Degawa, T. Aoki, T. Higuchi, H. Inokawa and Y. Takahashi, A Two-Bit-Per-Cell Content-Addressable Memory Using Single-Electron Transistors, 2.5 points.
- S. Lyshevski, Multi-Valued Nanoelectronics with Fullerenes,
- H. Machida, I. Rosenberg, Centralizers of Monoids containing the symmetric group
- A. Avron, A. Zamanski, Quantification in non-deterministic multi-valued structures.

Election of new Members at large

- Steinbach
  Sasao
- Moraga

ULSI Workshop in 2006

- Place: Singapore
- Date: 17 May 2006. before ISMVL
- Chair: will be selected by Yasushi Yuminaka, Gunma University
- E-mail: yuminaka@el.gunma-u.ac.jp

Journal of Multi-Valued Logic and Soft Computing

- Formerly *Journal of Multiple-Valued Logic.*
- Editors-in-Chief
  - Dan A. Simovici
  - Ivan Stojmenovic
- Publisher
  - Old City Publishing, Inc.

  - It is now on ISI list, based on review process and number of citations and regular publications schecdule.