IEEE Society on Social Implications of Technology
Board of Governors Meeting
Saturday, April 30, 2005
Madison, WI, 10:00 AM

1. Welcome & Introductions
   O'Connell

2. Adoption of Agenda
   O'Connell

3. Approval of Previous Minutes
   O'Connell

4. President's Report
   O'Connell

5. Past President's / Div VI Director's Report
   Andrews
   Hoffnagle
   Div V Director's Report

6. Treasurer's Report
   Stephan/O'Connell

7. Publication Report
   Loui/Herkert/Perusich

8. Conference Reports
   Andrews/Chmielewski

9. Committee Reports
   Andrews
   Engelson
   Brook
   Anesta
   Rochester
   Andrews
   Perusich
   Benjamin/O'Connell
   Unger
   Plonsey
   Pfatteicher
   Schipke
   Loui/Andrews/Anesta
   Nominations
   Fellows Committee
   Membership
   Student Membership
   Distinguished Lecturers
   Virtual Community
   Chapters
   Awards
   Ethics
   PACE
   Society Development Committee
   Educational Activities Committee
   Web Committee

10. Liaison Reports
    Diamond
    Meyer
    Kjell
    Computer Society
    Division X & Control Systems
    Committee on Earth Observation

11. Old Business

12. New Business
    Perusich
    Teleconference

13. Next Meeting & Adjournment
    June 10th LMU L.A.
The ICMCC Event
June 1-3, 2005
NCC, The Hague

The Leading International Event on
ICT in Medicine and Care

The ICMCC Event is the annual platform of the International Council on Medical and Care Informatics.

Announcements
Programme overview
Detailed Program
General

Announcements

Registration is open. Early registration has been extended till May 2.

We are proud to announce that Dr. Winnie Tang, CEO of ESRI China, will speak during the plenary session on June 2.

We are happy to announce, that on June 3 there will be a workshop on the EHR standard. More details will follow shortly.

The Bioinformatics department will present its I-Space project during the ICMCC Event 2005.

- In 2006 ICMCC will organize conferences on specialised subjects:
  - Diabetes and ICT, February 2006
  - Cancer and ICT, March 2006
  - HIV and ICT, April 2006

All conferences will be organized in The Hague, The Netherlands. If you are interested in actively participating in these conferences, please contact us.

Program

Detailed Program

Overview of presentations.

Plenaries

The **Plenary session** will be organized on the morning of the 2nd day, June 2.
Some of the speakers will be:

- **Dr. Winnie Tang**, CEO of ESRI China
- **Prof. Dr Michael Lightner**, president-elect of the IEEE.

On June 1 and 3 the morning and afternoon will start with a **small plenary** of 25 minutes.
Some of the expected speakers will be:

- Prof Corey Schou, Dean of Idaho State University, USA
- Mike Popovich, President/CEO of Scientific Technologies Corporation (STC), USA
- Prof. Brian O'Connell, Central Connecticut State University, president of the IEEE-SSIT

General overview

- **ICMCC introduces**
  The **ICMCC Event Challenge; HIV and ICT, Breaking down the barriers.**
  June 3, 2005
  A challenge is a project for which we actively try to find partners who will be enabled during the Event to sit together and discuss possible cooperation.
  The ICMCC Event Challenge for 2005 will be a large international project on HIV and AIDS, in cooperation with Health Connections International.
  Symposium summary
  See further details.

- **Symposium on Virtual Hospitals**
  June 1, 2005
  - Symposium summary
  - See further details.
  This symposium will publish a white paper.

- **Symposium on eHealth**
  June 2-3, 2005
  - Symposium summary
  - See further details.
  This symposium will publish a white paper.
AAA Fall 2005 Symposium on Machine Ethics

Call for Participation

Past research concerning the relationship between technology and ethics has largely focused on responsible and irresponsible use of technology by human beings, with a few people being interested in how human beings ought to treat machines. In all cases, only human beings have engaged in ethical reasoning. The time has come for adding an ethical dimension to at least some machines. Recognition of the ethical ramifications of behavior involving machines, as well as recent and potential developments in machine autonomy, necessitates this. In contrast to computer hacking, software property issues, privacy issues and other topics normally ascribed to computer ethics, machine ethics is concerned with the behavior of machines towards human users and other machines.

We contend that research in machine ethics is key to alleviating concerns with autonomous systems—it could be argued that the notion of autonomous machines without such a dimension is at the root of all fear concerning machine intelligence. Further, investigation of machine ethics could enable the discovery of problems with current ethical theories, advancing our thinking about ethics. We intend to bring together interested participants from a wide variety of disciplines to the end of forging a set of common goals for machine ethics investigation and the research agendas required to accomplish them. Topics of interest include, but are not restricted to:

- improvement of interaction between artificially and naturally intelligent systems through the addition of an ethical dimension to artificially intelligent systems
- enhancement of machine-machine communication and cooperation through an ethical dimension
- design of systems that provide expert guidance in ethical matters
- deeper understanding of ethical theories through computational simulation
- development of decision procedures for ethical theories that have multiple prima facie duties
- computability of ethics
- theoretical and practical objections to machine ethics
- impact of machine ethics on society

Submission Information

Potential participants are requested to submit either a full technical paper (not exceeding 5000 words) or a brief statement of interest (not exceeding 1000 words). Also invited are proposals for panels that state one or more fundamental issues/questions concerning machine ethics and take a stand on them supported by cogent arguments. Send submissions via email attachments to anderson@hartford.edu. Further information regarding the symposium can be found at http://www.MachineEthics.org.

Important Dates

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<td>May 2, 2005</td>
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<td>May 23, 2005</td>
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<td>September 16, 2005</td>
<td>Invited participants registration deadline (tentative)</td>
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<td>November 3-6, 2005</td>
<td>AAAI Fall 2005 Symposium Series at the Hyatt Crystal City in Arlington, Virginia</td>
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Organizing Committee

Michael Anderson (co-chair), University of Hartford (anderson@hartford.edu)
Susan Leigh Anderson (co-chair), University of Connecticut (susan.anderson@uconn.edu)
Chris Armen (co-chair), Trinity College (chris.armen@trincoll.edu)

Sponsored by the American Association of Artificial Intelligence in cooperation with the IEEE Society on Social Implications of Technology, the National Science Foundation, and the Machine Ethics Consortium.
IEEE SSIT BOG Meeting 4/30/2005

Treasurer's Report

Membership as of 31 March:

Regular: 1363
Student: 140
Affiliate: 26
Other: 68
Total: 1697 + 687 arrears = 2384

Balance Sheet

IEEE
Period: NOV-04 currency USD
Submitted: 05-JAN-05 09:29:25

Business Unit-0300 (Social Implications of Tech)

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Publications Committee Report
IEEE Society on Social Implications of Technology

IEEE SSIT Board of Governors Meeting
April 30, 2005

Michael Loui, committee chair
Joseph Herkert (ex officio), Ronald Kline, Karl Perusich (ex officio),
Janet Rochester, committee members

1. Technology and Society magazine

Twenty-three papers were submitted for regular issues of T&S in 2004 (including one
overflow paper from ISTAS’03). Of these, three were rejected without review, six were rejected
after review, five were given “revise and resubmit” responses, seven were accepted with
revisions, and one was accepted as an unrevised feature; one other is still under review. Nine
papers have been received to date in 2005.

Plans for future issues:

- June 2005 Regular issue (in progress)
- September 2005 ISTAS’04 special issue (in progress)
- December 2005 Regular issue
- March 2006 Building the ‘Middle East’: Engineers and Engineering Education in
  Bahrain, Egypt, and Turkey (in progress)
- June 2006 Regular issue
- September 2006 ISTAS’05 special issue (planned)
- December 2006 Regular issue
- March 2007 Security and Usability (pending approval; see attachment)

2. Electronic newsletter

The next e-newsletter will be issued in early May. Publication dates for the e-newsletter
are set to coordinate with the BOG meetings (so minutes are available) and with the release of
T&S magazine.

Anyone with items, conference announcements, etc. for the e-newsletter, should send
them to Karl Perusich as soon as they become available. Also, any items like awards and IEEE
SSIT fellows can be included.

3. Special issue proposal

Attached is a proposal for a special issue of T&S magazine, “Security and Usability.” On
one day’s notice, three members of the Publications Committee reviewed the proposal, and we
strongly recommend approval.
1. Special Issue Title: Security, Usability and Autonomy

2. Brief overview of topic (1-2 paras will do)
As the popularity and prevalence of e-commerce transactions increased so have the malicious and fraudulent activities. What are the social and organizational issues that underlie this increase in fraud with no apparent increase in user self-protection? Do security technologies enable and support end user autonomy and security? What is the perceived and actual interaction between security technologies and end user protection?

As the technologies of fraud have become more sophisticated, it has become increasingly difficult to judge whether a site is trustworthy. Increasingly complex security protocols and educational proposal (e.g., users must understand the implications of an untrusted certificate authority) appear undiffused, unused and therefore unable to prevent the most simple masquerade attacks on the Internet.

3. List of prospective invited authors and a draft call for papers
Prospective invited authors:
Angela Sasse
Lorrie Cranor
Yvonne Rogers
Rebecca Wright
Barbara Simons
Sean Smith
Paul Dourish
Ross Anderson
Kay Connelly

4. Bio:
Jean Camp is an Associate Professor at the School of Informatics, Adjunct Professor of Telecommunications, and an Adjunct Professor of Computer Science at Indiana University. Currently, she is on leave as Associate Professor of Public Policy at Harvard.

Jean Camp is a pioneer in the interdisciplinary study of trust and design for values. Professor Camp joined Informatics after becoming an Associate Professor at Harvard's Kennedy School of Government. At the Kennedy School she founded the information technology policy group, which has become integrated into a collaborative effort across multiple schools for the study of design and values. She has been also affiliated with the Program for Internet and Telecoms Convergence for nearly a decade. While at Harvard she was affiliated with the National Center for Digital Government. Her first book, Trust and Risk in Internet Commerce, was the first to propose the now widely-used definition of trust as including privacy, reliability and security. Her early work on technical trust in social context included examination of technical and policy conflicts between dimensions of trust in e-commerce, libraries and in information searching. Her concepts of trust in research have been built upon spatial metaphors and she is working on developing mechanisms for placing trust into social context.
Call for Papers: Security and Usability

As fraud explodes the increased failure of the diffusion, adoption and use of security technologies becomes an ever more urgent research question. The IEEE Society on Social Implications of Technology has an interest in expanding the understanding of the interaction of the human element, and the range of security and privacy technologies. We invite papers on usability of security systems and security as a socio-technological phenomena that expand the understanding of security, user self-protection, and fraud.

Technology and Society seeks submissions for peer review on the topic of Security and Usability, defined broadly. Original research papers on the following topics are sought:

Usability analyses of security technologies
Design for usability in security
Theories of design applied to security
Studies of human-computer trust
Socio-technical examinations of reputation systems
Empirical studies of user behavior in password sharing and phishing environments
Theoretical models of usability and security
Incentives embedded in security technologies
User models and their implications for security technologies
Value-sensitive design of security systems
Personal practices in data protections
Risk models of end users
Real world applications analysis
Human factors analysis in security
Novel interface designs for existing security systems
Trust-building systems for online interaction

IEEE Technology & Society is a quarterly journal published by the IEEE Society on Social Implications of Technology. Peer-reviewed publications in the IEEE S&T are available in the IEEE on-line library Xplore.

Papers sought for the March 2006 issue.
Deadlines
For submission
Expected reply
For revisions as needed

For author guidelines please see http://www.patmedia.net/tbookman/techsoc/index.html

Please submit papers by sending a pdf document to ieee_tands@ljean.com
To: Clint Andrews, Brian O'Connell  
From: Bobby Brody  

I know that a possible theme relating to scholarly publishing and open access has been proposed but this seems such a common theme these days at many conferences. I am prepared to proceed with that theme, should that be the decision of the BOG; however, I wish to present the following for consideration:

Potential Theme: Usability – Social Implications, Assumptions and Impacts

Usability refers to the ease of a product or service. A commonly used term when referring to software design and web access, it might be said to encompass or include human factors engineering, usability engineering, usability testing, and user-centered design. The term usability is used widely in conference papers in many IEEE Societies and in IEEE Standards development when referring to a wide variety of products and topics, including the voting machine standards that have been of interest to SSIT members in recent months. Concern for usability of its own products and services was exhibited late in 2004, when IEEE engaged a team to examine the usability of its web presence, the results of which were presented to the IEEE Publications, Services and Products Board in November 2004.

Potential Cooperation: New York City Chapter of Usability Professionals Association, NYC Chapter of the Association of Computing Machinery’s SIG CHI (Special Interest Group: Human Computer Interaction). Both of these organizations are largely (but not entirely) focused on communication and information technologies. Other local organizations with broader human factors engineering concerns would be sought as well.

Potential Competition: the Usability Professionals Association holds an annual conference in June or in July every year. In 2006, they will hold their conference in June in Denver CO. There does not appear to have been an IEEE conference devoted entirely to the social implications and cultural assumption implied in usability, though it is often a sub-theme in conferences.
SSIT Distinguished Lecturer Program

The program currently has four active lecturers:

Clint Andrews – Is the Hydrogen Economy a Good or Bad Idea?
   Energy Security – Is It Worth Fighting For?
   Public Roles for Technical Experts
Ken Foster – What Makes Technology Work?
   Health Effects of Mobile Phones
   The Precautionary Principle: Commonsense or the Devil’s Handwork?
   Ethics and the Brain: Ethical Implications of the New Lie Detection Technologies
Joe Herkert – Engineering Ethics
Ray Larsen – Engineering Ethics

Walt Elden requested to be removed from the lecturers list. Karl Perusich (proposed topic: Information in Warfare), Swamy Laxminarayan (proposed topics: Information Technology Issues in Medicine and Health Care; Medical Informatics and Knowledge Management; Biomedical Information Engineering; Telehealth and Telemedicine in Rural Geography) and Brian O’Connell (proposed topics: Ethical and Legal Issues in Computing, Artificial Intelligence and Robotics; Professional Responsibility in Computing and Engineering; Computer Ethics Education) have volunteered to join the list of lecturers.

Currently the program is available to all IEEE entities and we do not subsidize the program.

Recommendations

1. We continue to offer the program to all IEEE entities.
2. We publicize the program, using the web page, the newsletter and T&S Magazine.
3. We add the three additional volunteer presenters.
4. We budget a fund to be used to subsidize travel expenses. This fund would be used to supplement a lecturer’s funds from other sources when needed. I recommend starting the fund with $2000.