

**IEEE Society on the Social Implications of Technology  
Board of Governors Meeting  
16 March, 2013**

Room 369, Civic Square Building  
33 Livingston Ave. (at New St.)  
Rutgers University  
New Brunswick, NJ  
10:00 am – 3:00 pm

- |   |                   |
|---|-------------------|
| 1. Welcome and Introductions                                  | Jacob             |
| 2. Adoption of Agenda   | Jacob             |
| 3. Approval of Minutes of Previous Meeting                    | Terman            |
| 4. President's Report   | Jacob             |
| 5. Past President's Report                                    | Engel             |
| 6. IEEE Division VI Director's Report                         | Wilamowski        |
| 7. Treasurer's Report   | Foster            |
| 7A. Discussion of the TAB SSIT Review AHC Report              | Jacob/Terman, All |
| 7B. TAB Recommendation for SSIT Long Range Planning Committee | Jacob             |
| 8. Publications Report  | Miller            |
| 9. Conferences  | Kun               |
| - ISTAS '13   | Michael           |
| - IoT '14   | Jacob             |
| - Ethics '14  | Joffe             |
| - Wiener '14  | Adamson           |
| - Imaging for Crime Detection and Prevention '13              | Kun               |
| 10. Committee Reports   |                   |
| Nominations   | Engel             |
| Fellows Committee   | Foster            |
| Membership  | Adamson           |
| Student Membership  | <u>Vacant</u>     |
| Distinguished Lecturers                                       | Herkert           |
| - Request for DL travel expenses to El Salvador Section       |                   |
| Virtual Community   | Andrews           |
| Chapters  | Anesta            |
| GOLD  | <u>Vacant</u>     |
| WIE   | Jacob             |
| Awards  | Kjell             |
| - Presentation of Barus Award                                 | Kjell             |
| Ethics  | Unger             |
| PACE  | <u>Vacant</u>     |
| Society Development Committee                                 | <u>Vacant</u>     |
| Educational Activities Committee                              | <u>Vacant</u>     |
| Bylaws and Constitution                                       | <u>Vacant</u>     |
| 11. Old Business  |                   |
| 12. New Business  |                   |
| - Golding short Telecons between BoG Meetings                 | Jacob             |

- New SSIT Logo
- Social Media
- Google Groups
- Handling of Ties in Contested Elections

Bookman  
Isaak  
Jacob  
Terman/Jacob

13. Next Meeting and Adjournment

Jacob


# Organising Committee

The screenshot shows a website for ISTAS'13 SmartWorld. The top navigation bar includes the event title, dates (June 27-29, 2013), and location (Toronto, Ontario, Canada). A sidebar on the left contains a navigation menu with buttons for Home, Search Site, About, Keynote Speakers, Invited Speakers, Plenary Speakers, Sponsors, Patrons, and Supporters. The main content area features a profile for Steve Mann, the ISTAS'13 General Chair. It includes a photo of him wearing Google Glass, his title, and a biographical paragraph. A 'Read more' link is provided at the bottom of the bio.


**ISTAS'13**  
**SmartWorld**

The Social Implications of Wearable Computing and Augmented Reality in Everyday Life  
2013 IEEE International Symposium on Technology And Society  
JUNE 27-29, 2013

TORONTO  
Ontario, Canada



Home  
Search Site  
About  
Keynote Speakers  
Invited Speakers  
Plenary Speakers  
Sponsors  
Patrons  
Supporters



**Steve Mann**

ISTAS'13 General Chair

Tenured Professor, University of Toronto, Canada  
Department of Electrical and Computer Engineering  
Faculty of Arts and Science, and Faculty of Forestry

Mann holds degrees from the Massachusetts Institute of Technology (PhD in Media Arts and Sciences '97) and McMaster University, where he was also inducted into the McMaster University Alumni Hall of Fame, Alumni Gallery, 2004, in recognition of his career as an inventor and teacher. While at MIT, in then Director Nicholas Negroponte's words he "brought the seed" that founded the Wearable Computing group in the Media Lab.

In 2004 he was named the recipient of the 2004 Leonardo Award for Excellence for his article "Existential Technology," published in Leonardo 36:1.

Read [more](#)

<http://veillance.me/organising-committee/>

# Technical Program Committee

ISTAS'13

SmartWorld

The Social Implications of Wearable Computing and Augmented Reality in Everyday Life

2013 IEEE International Symposium on Technology And Society

JUNE 27-29, 2013



TORONTO  
Ontario, Canada



Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

Associate Professor Katina Michael

ISTAS'13 Program Chair

Associate Professor

University of Wollongong, NSW

Australia

IEEE Technology & Society Magazine

Editor-in-Chief (2012 - 2013)

Senior member IEEE



Dr Katina Michael (MIEEE'04, SMIEEE'06) holds a Doctor of Philosophy in Information and Communication Technology (ICT) from the Faculty of Informatics at the University of Wollongong, NSW, Australia ('03); a Master of Transnational Crime Prevention from the Faculty of Law at the University of Wollongong ('09) and a Bachelor of Information Technology from the School of Mathematical and Computing Science, NSW, Australia at the University of Technology, Sydney ('96).

She is presently an Associate Professor at the University of Wollongong in the School of Information Systems and Technology ('02-'11) in Australia, and has previously been employed as a Senior Network Engineer at Nortel Networks ('96-'01).

# Reviewers Page

ISTAS'13

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Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

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2013 IEEE International Symposium on Technology And Society

JUNE 27-29, 2013



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Submit your details as as a Reviewer - click [here](#)

#### [Dr Roba Abbas](#)

ISTAS13 Track Chair, Research Associate, University of Wollongong

#### [Professor Rajit Gadh](#)

Professor at the Henry Samueli School of Engineering and Applied Science at UCLA, Founding Director of the UCLA Smart Grid Energy Research Center (**SMERC**) , Founder and Director of the Wireless Internet for Mobile Enterprise Consortium or WINMEC

#### [Eleni Kosta](#)

Assistant Professor of Technology Regulation, Tilburg Institute for Law, Technology and Society (TILT) – Tilburg University.

#### [Luis Kun](#)

Professor of National Security Affairs

<http://veillance.me/reviewers/>

# EasyChair Submissions

IEEEISTAS13 (chair)

[Submissions](#) [Reviews](#) [Assignment](#) [PC](#) [Events](#) [Email](#) [Administration](#) [IEEEISTAS13](#) [EasyChair](#)

steve

1 of 13

## IEEEISTAS13 list of submissions

Shortcuts to papers: [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [11](#), [12](#), [13](#), [14](#), [15](#), [16](#), [17](#), [18](#), [19](#), [20](#), [21](#), [22](#), [23](#), [24](#), [25](#), [26](#), [27](#), [28](#), [29](#), [30](#), [31](#), [32](#), [33](#), [34](#), [35](#), [36](#), [37](#), [38](#), [39](#), [40](#), [41](#), [42](#), [43](#), [44](#), [45](#), [46](#), [47](#), [48](#), [49](#), [50](#), [51](#), [52](#), [53](#), [54](#), [55](#), [56](#), [57](#), [58](#), [59](#), [60](#), [61](#), [62](#), [63](#), [64](#), [65](#), [66](#), [67](#), [68](#), [69](#), [70](#), [71](#), [72](#), [73](#), [74](#), [75](#), [76](#), [77](#), [78](#), [79](#), [80](#), [81](#), [82](#), [83](#), [84](#), [85](#), [86](#), [87](#)

[Add a submission](#)  
[Delete submission\(s\)](#)  
[Deleted submissions](#)  
[Email to authors](#)  
[Download submissions](#)

#	authors	title	information	submission	assignment	update
2	<a href="#">Isabel Pedersen</a>	New Media and Wearables - What's Coming?				
3	<a href="#">Cathal Gurrin</a>	Human Digital Memories or Sensing the Environment				
4	<a href="#">Monique Morrow</a>	Designing IP-Based Services for Smart World Solutions				
5	Hojjat Emami and Farnaz Derakhshan	Multi Agent Based Solution for Free Flight Conflict Detection and Resolution using Particle Swarm Optimization Algorithm				
6	Hojjat Emami	Integrating Fuzzy K-Means and Imperialist Competitive Algorithm for Data Clustering				
7	<a href="#">Rajesh Boghey</a> and <a href="#">Shailendra Singh</a>	Sequential Pattern Mining: A Survey on Approaches				
8	Helen Patricia McKenna	Ambient Intelligence and Information Interactions: Theorizing 21st Century Autonomies and Awareness for Technology and People in Balance				
9	Aysegul Koc	DISPLACEMENT AND TECHNOLOGY: Technologically Enhanced Spaces and Identity				
11	<a href="#">Steve Mann</a>	Veillance and Reciprocal Transparency: Surveillance versus Sousveillance, AR Glass, Lifelogging, and Wearable Computing				
12	<a href="#">Marcus Wigan</a>	Constructing Age and Technology as Augmentation, not Degradation: Exploring what the aged themselves think they need, not what is decided for them				
13	Joseph Carvalko	LAW AND POLICY IN AN ERA OF CYBORG-ASSISTED-LIFE				
14	<a href="#">Mary Christ</a>	Global Lifestyle Perspectives				
15	Niamh Caprani, Noel O'Connor and Cathal Gurrin	Investigating Older and Younger Peoples' Motivations for Lifelogging with SenseCam				

# Registration Rates

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

Organising Committee

Program Committee

Call For Papers

Paper Submission

Reviewers

Registration

Venue

Panels

Gala Events

## EARLY BIRD

IEEE Members: \$475 USD

IEEE Non-members: \$575 USD

IEEE Student members: \$380 USD

Student non-members: \$430 USD

Senior (age): \$350 USD

One Day registrants: \$200 USD

## STANDARD REGISTRATIONS

IEEE Members: \$525 USD

IEEE non-members: \$625 USD

IEEE Student members: \$430 USD

Student non-members: \$480 USD

Senior (age): \$400 USD

One Day registrants: \$250 USD

<http://veillance.me/registration/>

# Conference Location

In The Media

Media Kit

Contact

Event Blog

**Google Shades**  
ABOUT 5 HOURS AGO

**LiquidImage**  
ABOUT 8 HOURS AGO

**Jenny Murphy**  
ABOUT 8 HOURS AGO

**Building With Glass**  
ABOUT 8 HOURS AGO

**Augmedix**  
ABOUT 9 HOURS AGO

•• Flickr

Conference venue - Bahen Centre




Image: Steve Mann

**Bahen Centre**

**Bahen Centre for Information Technology (BCIT) - more images**

40 Saint George Street  
Toronto, ON M5S 2E4, Canada  
+1 416-978-2011

<http://veillance.me/venue/>



# Gala Event 1 - Patrons

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Gala Event 1

Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

Organising Committee

Program Committee

Call For Papers

Paper Submission

Reviewers

**COCKTAILS**  
CANAPES  
21:00 | 27th June 2013  
**Patrons**  
Press  
Distinguished Guests

IEEE

Meet Event Speakers  
Press Photography & Interviews  
Champagne Cocktails & Canapes

Symposium on Technology and Society

The Social Implications of Augmented Reality

Principles of...

<http://veillance.me/gala-events/>

# Gala Event 2 – Photo Contest

LiquidImage

ABOUT 8 HOURS AGO

Jenny Murphy

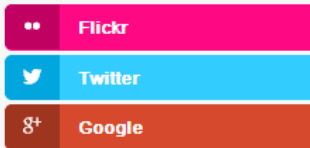
ABOUT 8 HOURS AGO

Building With Glass

ABOUT 8 HOURS AGO

Augmedix

ABOUT 9 HOURS AGO



## Gala Event 2

### Photo Contest & Art Exhibition

A **photography exhibit on the theme of veillance** will coincide with IEEE ISTAS 2013.

To participate simply submit one or more photographs of surveillance domes (the "globes" of wine-dark opacity used to conceal surveillance cameras), to <http://glogger.mobi> with the keyword "SMARTWORLDS 2013 photography contest", under one of the following licenses:

- **{{selfGFDL|cc-by-sa-all}}**: "Copyleft (Multi-license GFDL, all CC-BY-SA)"
- **{{PD-self}}**: "All rights released (Public domain or waiver if the PD release is invalidated)"

(i.e. the same licenses preferred by Wikimedia Commons).

Here are some examples: <http://glogger.mobi/s/SMARTWORLDS2013photographycontest>

Selected works will be featured on the "No Cameras Allowed!" exhibit at Deconism Gallery, May01-June30, and as part of IEEE ISTAS 2013.

Alternatively, you can propose an alternate work or exhibit. All submissions must address the theme of veillance (i.e. surveillance AND sousveillance), not just surveillance. Photographs of surveillance cameras do address the theme, as this is, by definition, a form of sousveillance. Works on the theme of **Wearable Computing and Augmediated Reality** will also be considered for exhibit and presentation.

Please note in addition to uploading your creative work to [glogger.mobi](http://glogger.mobi) we would like you to upload the **TITLE and BRIEF DESCRIPTION** of your creative work to the event submission system for formal

<http://veillance.me/gala-events/>

# Keynote Speakers...

The screenshot shows the website for ISTAS'13 SmartWorld. The header includes the event title, dates (June 27-29, 2013), and location (Toronto, Ontario, Canada). The IEEE logo is prominently displayed on the left. A navigation menu on the left lists various site sections, with 'Keynote Speakers' highlighted. The main content area features an 'OPENING KEYNOTE PANEL' section, which includes a profile for Ray Kurzweil. A photograph of Ray Kurzweil is shown next to his name and a brief description of his appearance at the event.

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**SmartWorld**

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2013 IEEE International Symposium on Technology And Society  
JUNE 27-29, 2013

TORONTO  
Ontario, Canada

**IEEE**


- Home
- Search Site
- About
- Keynote Speakers**
- Invited Speakers
- Plenary Speakers
- Sponsors
- Patrons
- Supporters

## OPENING KEYNOTE PANEL

### Ray Kurzweil

*Appearing at ISTAS'13 via virtual connection*

Ray Kurzweil has been described as "the restless genius" by the Wall Street Journal, and "the ultimate thinking machine" by Forbes. Inc. magazine ranked him #8 among entrepreneurs in the United States,



<http://veillance.me/keynote-speakers/>

# Invited Speakers...

ISTAS'13

SmartWorld

The Social Implications of Wearable Computing and Augmented Reality in Everyday Life

2013 IEEE International Symposium on Technology And Society

JUNE 27-29, 2013

TORONTO  
Ontario, Canada



Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

Dr. Ann Cavoukian PhD

Information and Privacy Commissioner  
Ontario, Canada

In November 2011, Dr. Cavoukian was ranked by Women of Influence Inc. as one of the top 25 Women of Influence recognizing her contribution to the Canadian and global economy.

Dr. Cavoukian was honoured with the prestigious Kristian Beckman Award in 2011 for her pioneering work on Privacy by Design and privacy protection in modern international environments.

In the same year, Dr. Cavoukian was also named by Intelligent Utility Magazine as one of the Top 11 Movers and Shakers for the Global Smart Grid industry, received the SC Canada Privacy Professional of the Year Award and was honoured by the University of Alberta Information Access and Protection of Privacy Program for her positive contribution to the field of privacy.



<http://veillance.me/invited-speakers/>

# Plenary Speakers...



## Martin Kallstrom

CEO Memoto AB, Sweden

Martin is the founder and CEO of Memoto, the Stockholm startup developing the world's smallest lifelogging camera. He is an experienced entrepreneur and technologist, thinker and tinkerer. The past decade was a period of transformation for him. Since both his parents passed away in cancer and his two daughters came into his life, he realized how much value there is in the small everyday moments that ties our lives together. This realization paired with his view on life that anything is possible if you put your heart into it, was the igniting spark behind

Memoto.

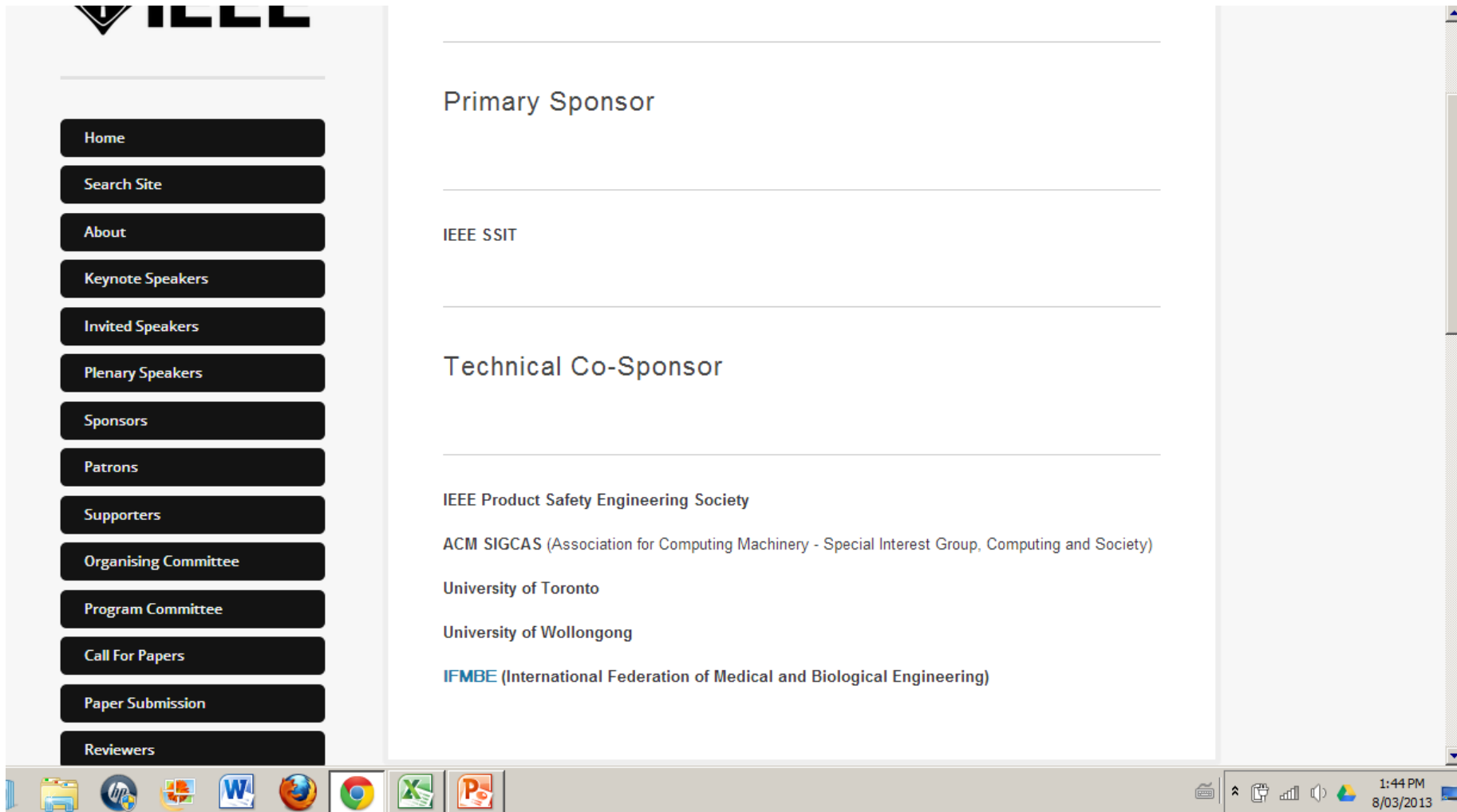
His previous company is Twingly, which was a revolution in the European blogosphere when it launched in 2006, bridging the gap between blogs and new media and the old, thought to be dead newspapers. The social media search engine now feeds social media data to many international media monitoring companies while still being a strong democratization platform by providing newspaper readers with the in-depth conversations from the blogosphere.

Martin's mantra in life is to strive to create value rather than success. With the launch of Memoto, thousands of people are now looking forward to see how their lives will be transformed by the advent of the world's smallest lifelogging camera.

Read [more](#)

<http://veillance.me/plenary-speakers/>

# Sponsor Page... logos coming...



The screenshot shows a website interface with a vertical navigation menu on the left and a main content area. The navigation menu includes buttons for Home, Search Site, About, Keynote Speakers, Invited Speakers, Plenary Speakers, Sponsors, Patrons, Supporters, Organising Committee, Program Committee, Call For Papers, Paper Submission, and Reviewers. The main content area is divided into sections for Primary Sponsor, Technical Co-Sponsor, and a list of sponsors.

**IEEE**

Home  
Search Site  
About  
Keynote Speakers  
Invited Speakers  
Plenary Speakers  
Sponsors  
Patrons  
Supporters  
Organising Committee  
Program Committee  
Call For Papers  
Paper Submission  
Reviewers

Primary Sponsor

IEEE SSIT

Technical Co-Sponsor

IEEE Product Safety Engineering Society  
ACM SIGCAS (Association for Computing Machinery - Special Interest Group, Computing and Society)  
University of Toronto  
University of Wollongong  
[IFMBE](#) (International Federation of Medical and Biological Engineering)

Taskbar: File Explorer, HP, Windows, Word, Firefox, Chrome, Excel, PowerPoint, System Tray (Network, Volume, Power), 1:44 PM 8/03/2013

# Patron package released... money coming in via Wire Transfer

ISTAS'13

SmartWorld



Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

The Social Implications of Wearable Computing and Augmented Reality in Everyday Life

2013 IEEE International Symposium on Technology And Society

JUNE 27-29, 2013



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[Download the Patronage Prospectus](#) (4.1 MBs)

[Contact ISTAS13 Organisers](#) regarding Patronage offers now.

## Diamond Patron

(Refractive index of diamond = 2.42)

\$20,000 USD - One ( 1 ) exclusive Patron offer only.

Benefits:

- Complimentary registration for 4 delegates to the conference +
- Complimentary registration for 4 delegates to the Banquet Dinner +
- Four complimentary Banquet guest registrations +
- Reserved table for total eight persons at Banquet +



# In the Media

Patrons

Supporters

Organising Committee

Program Committee

Call For Papers

Paper Submission

Reviewers

Registration

Venue

Panels

Gala Events

Previous ISTAS

In The Media

Media Kit

Contact

Event Blog

Craig Butt. "[Apps that will help you keep your resolve](#)", *The Sydney Morning Herald*, 30 Dec. 2012.

Mark Harris. "[Darling, it's just you, me... and everyone else](#)", *The Sunday Times*, 23 Dec. 2012, p.18.

Donald Melanson and Michael Gorman. "[Our Augmented Selves: The Promise of Wearable Computing](#)", *engadget*, 21 Dec. 2012.

Sharath Kumar. "[Phones that you can wear, bend and twist](#)", *CIO*, 20 Dec. 2012.

Chris Davies. "[DIY augmented reality eyepatch boosts senses](#)", *Slashgear*, 19 Dec. 2012.

macleans.ca. "[Mind games: How a Canadian start-up plans to make thought-controlled smartphones the next consumer craze](#)", *macleans.ca*, 19 Dec. 2012.

Alexander Hayes. "[Cyborg Cops, Googlers and Connectivism](#)", *The Social Interface*, 13 Dec. 2012.

Lisa Wachsmuth. "[Glogging Your Every Move](#)" *Illawarra Mercury: News*, 13 Nov. 2012: 10.

Mez Breeze. "[Perpetually connected: Are wearable computers and bio-implants the future of mobile?](#)" *The Next Web*, 9 Nov 2012.

Sarah and Jenny. "[This Week in Lifelogging: Quantifying Photos, Sousveillance and how self-tracking could save your life.](#)" *Memoto*, 9 Nov 2012.

Joe Wolverton, II, J.D. ""[Sousveillance](#)": [When the Watched Become the Watchers](#)" *New American*, 7 Nov.

Kathy Pretz. "[If you track me, will we still trust each other?](#)" *IEEE Institute*, 5 Nov. 2012.



# Media Release



Home

Search Site

About

Keynote Speakers

Invited Speakers

Plenary Speakers

Sponsors

Patrons

Supporters

Organising Committee

Program Committee

Call For Papers

Paper Submission

## Official Media Statement

[Download](#) the official University of Toronto media release

## General Media Statement

### Living in a Smart World - People as Sensors

The 2013 IEEE International Symposium on Technology and Society (ISTAS13) will take place in Toronto, Canada on 27th-29th June. The theme of this conference is "SmartWorlds".

This conference will address smart- smart grids, smart infrastructure, smart homes, smart cars, and smart appliances but also "smart people". Smart people" interacting with smart infrastructure means that intelligence is driving decisions.

People wearing sensors (e.g. monitoring temperature, physiological characteristics), location data loggers, microphones, cameras, tokens, and other wearable and embeddable systems can see direct benefits for a host of applications including health and well-being, emergencies, convenience, and care-oriented solutions. However, these "**Wearable Computing**" technologies and applications have the potential to become controlling applications because they are used to make decisions, generate alerts, log employee movements etc. There are great socio-ethical implications that will stem from these technologies and fresh regulatory and legislative approaches are required to deal with this new environment.

<http://veillance.me/media-kit/>

# Our Blog



ISTAS'13

SmartWorld



The Social Implications of Wearable Computing and Augmented Reality in Everyday Life

2013 IEEE International Symposium on Technology And Society

JUNE 27-29, 2013



TORONTO  
Ontario, Canada

- Home
- Search Site
- About
- Keynote Speakers
- Invited Speakers
- Plenary Speakers
- Sponsors
- Patrons
- Supporters
- Organising Committee
- Program Committee



Google Shades

<http://veillance.me/blog>

# Ryan Janzen

## LiquidImage

ABOUT 8 HOURS AGO

## Jenny Murphy

ABOUT 8 HOURS AGO

## Building With Glass

ABOUT 9 HOURS AGO

## Augmedix

ABOUT 9 HOURS AGO

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## Ryan Janzen

### ISTAS'13 Local Organizing Chair

Ph.D. candidate

University of Toronto



Ryan Janzen applies principles of electrical engineering and physics to diverse fields, from biological research, to fluid dynamics and aerospace, to music and acoustics. Janzen's scientific research has led to advances

in signal processing, acoustics, aerospace engineering, and electric vehicle propulsion, and has been awarded by the Natural Sciences and Engineering Research Council, Canada. With nineteen international peer-reviewed publications, he does research and teaching as a Ph.D. candidate at the University of Toronto, with Steve Mann.

Janzen is, in parallel, a composer of orchestral music. Performed internationally, his concert and film music has been featured at the World Expo in Shanghai, screened in Italy and Slovenia, and aired on Canadian and Danish national broadcasts. Janzen was the first composer to score music for hydraulophone, a new instrument causing resonance in water. As music director of 19 live concerts and producer of 3 albums, he has collaborated extensively with musicians, orchestras, and interdisciplinary researchers, at the nexus of art and science.

[Research Website](#)

# Alexander Hayes

## Alexander Hayes

ISTAS'13 Publicity Chair

ISTAS'13 Web Developer

Member IEEE SSIT

PhD Candidate, University of Wollongong

Faculty of Informatics, School of Information Systems &  
Technology

Author of *Cyborg Cops, Googlers & Connectivism* (2012) and co-author of [Uberveillance.com](http://Uberveillance.com)

Alexander is currently employed at the Australian National University as a Projects Officer, Training & Communications within the Australian National Data Services (ANDS) with extensive experience as an ICT professional working across the private, public & community service sectors within metropolitan, rural and remote Australian communities.

Alexander is also completing a Doctor of Philosophy (PhD) candidate at the University of Wollongong, Australia within the Faculty of Informatics, School of Information Systems & Technology. This research study is focused on the implications of the use of emergent body worn video technologies in an educational context and examines the impacts that these technologies are having upon society, citing user case studies and an extensive series of interviews with lead innovators in this rich field of interdisciplinary endeavor.

Read [more](#)



# 2014 IEEE International Symposium on Ethics in Science, Engineering, and Technology, Ethics•14

**Elya B. Joffe**  
Symposium General Chairman  
[Eb.joffe@ieee.org](mailto:Eb.joffe@ieee.org)

INTERNATIONAL SYMPOSIUM  
ON ETHICS IN ENGINEERING,  
SCIENCE AND TECHNOLOGY



**ETHICS•14**



SSIT BoG Meeting, March 16, 2013

# Introduction

- **Ethics is a critical issue in the 21<sup>st</sup> Century, and has global and cultural perspectives.**
- **IEEE has the opportunity to develop a leadership role in the area of Ethics in Engineering and Science**
- **A proposal was made in November, 2011 for developing and implementing an International symposium on Ethics in Science, Technology and Engineering**



*Courtesy of  
Tayfun Akgul*

# Symposium Objectives

- Bring engineers and scientists from different disciplines together to discuss questions related to ethics
- Consider scientific, social or individual aspects, with a global, multicultural perspective
- The Symposium challenges:
  - Globalization of Ethics
  - Ethical principles -"absolute" or "relative"?
  - Ethics, Morality and Law
  - Ethics Dissemination and Education
  - and more...



# Initiators of Proposal

- Initiative developed by:
  - IEEE Societies and Councils:
    - Society for Social Implications of Technology (SSIT)
    - Technology Management Council (TMC)
    - Product Safety Engineering Society (PSES)
    - Education Society (ED)
    - IEEE-USA
- Cooperating/Interested IEEE bodies:
  - IEEE Ethics and Member Conduct Committee (EMCC)
  - IEEE Education Activities Board (EAB)





# Key Participants

- **Engineers and scientists from various disciplines**
- **Educators**
- **Philosophers**
- **Lawyers**
- **Doctors and physicians**
- **Other experts in Ethics and Ethical conduct**



# Date and Venue

## ■ Dates:

- Thursday-Saturday,  
22-24 May, 2014

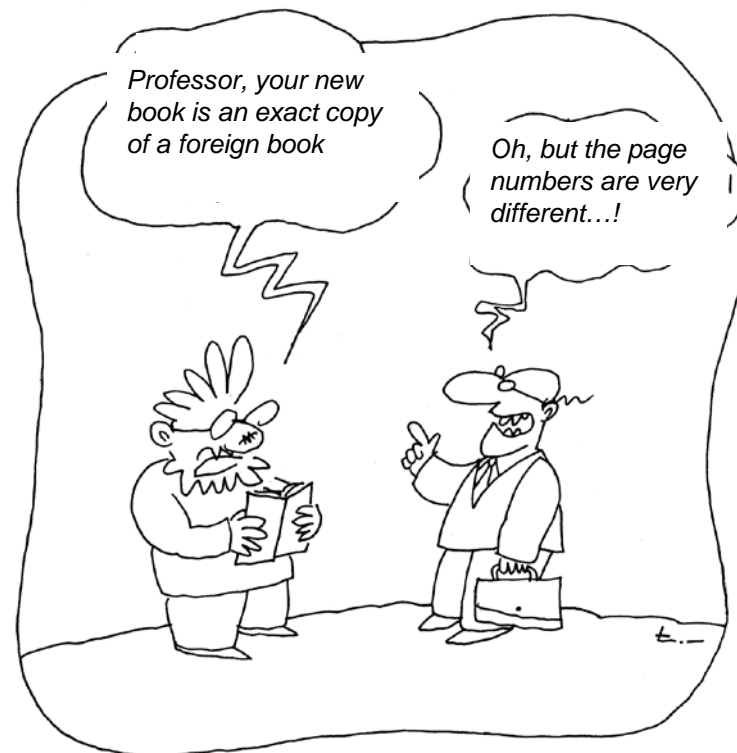
## ■ Venue:

- Chicago Marriott O'Hare,  
Chicago, IL, USA

## ■ Information:

- <http://sites.ieee.org/ethics>
- (under construction)

*Courtesy of Tayfun Akgul*



# Sponsors of the Symposium

## Financially

- IEEE-USA
- IEEE Society for Social Implications of Technology (SSIT)
- IEEE Technology Management Council
- IEEE Region 4
- IEEE Education Society (Pending)



## Technically

- IEEE Product Safety Engineering Society
- IEEE Eta-Kappa-Nu (IEEE-HKN)
- ACM/SIGCAS
  - Special Interest Group on Computers and Society of the Association for Computing Machinery



## In cooperation with

- IEEE Ethics & Member Conduct Committee (EMCC)



# Symposium Leadership

## ■ General Chair

- Elya B. Joffe, Israel; e-mail: [eb.joffe@ieee.org](mailto:eb.joffe@ieee.org)

## ■ Vice Chair

- Jerry Engel, USA; e-mail: [g.engel@computer.org](mailto:g.engel@computer.org)

## ■ Program Co-Chairs

- Joseph Herkert, USA; e-mail: [j.herkert@ieee.org](mailto:j.herkert@ieee.org)
- Keith Miller, USA; e-mail: [kmill2@uis.edu](mailto:kmill2@uis.edu)

## ■ Treasurer

- Rubenstein Charles, USA; e-mail: [c.rubenstein@ieee.org](mailto:c.rubenstein@ieee.org)

## ■ Secretary

- Kimball Williams, USA; e-mail: [k.williams@ieee.org](mailto:k.williams@ieee.org)



**ETHICS-14**

# Branding – the Logo

- Ethics taken as being, at times, “fuzzy” and, like art, is subject to interpretation
- It is in the **eye** of the **beholder**
  - The red in the face appears as a reflection of something potentially unethical
  - Signifies the “adversity” or “danger” one ‘faces’,
    - The green in the eye, as this conference, provides a means to try to sort things out (green light)
    - Implies setting “sights” on that which is “best”



**ETHICS-14**

# Technical Activities

- **Technical Papers/sessions**
  - Call for Papers in preparation
- **Workshops/Tutorials**
  - Call for Proposals later down the road
- **Students Ethics Competition**
  - To be conducted in cooperation with EMCC
- **Forums and Panels**
- **Exhibition**
  - Literature, Other?



# Ethics Topics

- **Ethics Fundamentals**
- **Ethics in Science, Technology and Engineering Disciplines**
- **Ethics, Morality, Law and Culture**
- **Ethics, Society and Environment**
- **Ethics and Public Safety, Health and Welfare**
- **Ethics and Sustainable Development**
- **Ethics and Education**

# Preliminary Program

- **Thursday, May 22, 2014**
  - Morning: Plenary Session and opening Ceremony. All day: Sessions, workshops and tutorials
- **Friday, May 23, 2014**
  - All day: Sessions, workshops and tutorials
- **Evening: Festive Dinner**
- **Saturday, May 24, 2014**
  - All day: Sessions, workshops and tutorials
- **Best Paper Award**
  - The Best Paper and the Best Student Paper awards will be granted during the Symposium



# Paper Submission

## ■ Format

### – Formal Papers

- (500 to 1,000 word extended abstract required)

### – Panels

- (500 to 1,000 word extended abstract required)

### – Workshops and Tutorials

- (500 to 1000 word extended abstract required)

## ■ Preliminary Schedule

■ **Abstract and Extended Abstract: July 7, 2013**

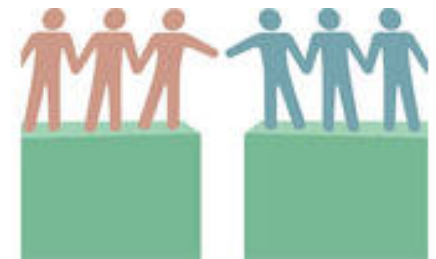
■ **Notification of Acceptance: September 8, 2013**

■ **Draft Manuscript for final review: November 4, 2013**

■ **Final Manuscripts for Proceedings: January 12, 2014**

# Outreach and Publicity

- **Global Outreach Committee formed**
  - Building data base of ethics-related institutions and entities
- **Regional Coordinators appointed**
  - Region 8 and 9
  - Region 10 TBD
- **Outreach to Societies and Councils**
  - Via S/C Presidents and IEEE tools
- **Outreach to other Affinity Groups**
  - GOLD, WIE, Students Committee, LIFE liaisons appointed
- **Web site and Social Media developed**

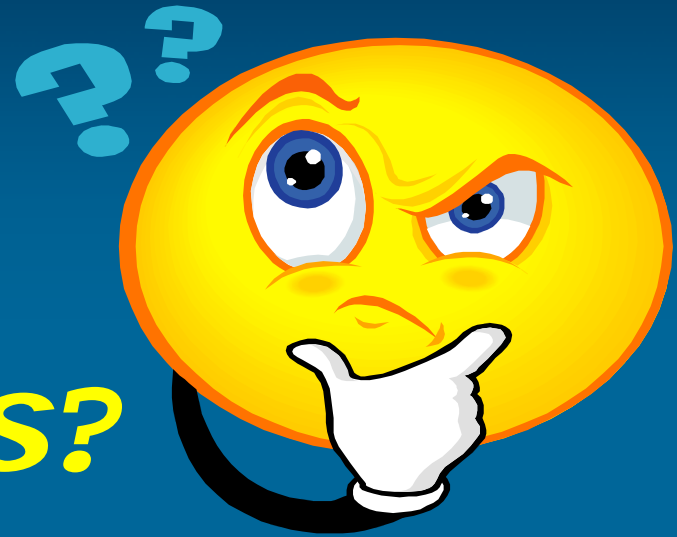


# Next 1-2 months – Progress Plan

- **Finalize list of co-sponsors and sign MOUs**
- **Register Conference with IEEE**
  - (in process)
- **Finalize budget**
- **Develop and Publish Call for Papers**
  - Development Almost Complete
  - Publishing – once web site is launched
- **Begin outreach within IEEE and externally with research and academic institutions**
  - (in process)



*Questions?  
Comments?  
Snide Remarks?*



# For Further information:

*Elya B. Joffe*



[eb.joffe@ieee.org](mailto:eb.joffe@ieee.org)



***Tel: +972-52-790-7553***

# Ethics•14 Symposium

INTERNATIONAL SYMPOSIUM  
ON ETHICS IN ENGINEERING,  
SCIENCE AND TECHNOLOGY



**ETHICS•14**

## Thank You

**Elya B. Joffe**  
Ethics•14 General Chair  
*[Eb.joffe@ieee.org](mailto:Eb.joffe@ieee.org)*

SSIT BoG Meeting, March 16, 2013

## **IEEE 2014 Conference on Norbert Wiener in the 21st Century (21CW)**

### **Minutes, Meeting 2, Technical Program Committee, February 2013**

#### **Meeting time and date**

4 pm, 22 February 2013, US Eastern Standard Time

8 am, 23 February 2013, Australian Eastern Summer Time

#### **Attendance**

Greg Adamson (chair, minutes), Flo Conway, Philip Hall, Jim Siegelman, Lewis Terman, Arthur Winston, Mengchu Zhou

#### **1. Technical Program Committee**

Action (All): Identify additional participants in TPC, and nominate/volunteer people for specific roles

#### **2. General discussion on conference themes and structure (All)**

Possible panel topics:

- The future of work: Are robots stealing our jobs?
- Between human and machine: Chasm or continuum?
- Engineering and the life-sciences: Will machines make us immortal?
- Cyber-war and cyber-crime: Where does responsibility lie?
- The Internet of Things: Control by the machine?

Special event suggestions:

- Memories of Norbert Wiener
- IEEE Milestone ceremony: The publication of "Cybernetics" (MIT Press, 1948)
- Doctoral Consortium

Revised themes and sub-themes listed in Appendices. Descriptions in Call For Papers to provide guidance for potential submitters. (CFP due out 1 May 2013.)

#### **3. Media committee (Flo)**

First meeting held 18/19 February: Flo, Jim, Greg, Jana Paripovich.

Preparing initial material ready for release once CFP released or keynotes confirmed.

Seeking Boston-based volunteers among grad students in media or history of technology to learn practical media skills and provide Boston media committee presence.

#### **4. Keynotes and streams general discussion (All)**

Inviting Keynotes: lodging and registration provided; possible fares especially for international Keynotes; no speaking fees paid

First list to approach:

- 1 of: Prof. John Baillieul, Boston University, <http://www.bu.edu/systems/people/baillieul/>; Simon Haykin, McMaster University, <http://soma.mcmaster.ca/haykin.php>; Terrence Sejnowski, Salk Institute, <http://www.salk.edu/faculty/sejnowski.html>. Greg to contact via CSS members in Melbourne.
- Dr Vint Cerf, VP and Chief Internet Evangelist, Google. Greg to contact.
- Dr Mary Catherine Bateson, writer and cultural anthropologist. Flo/Jim to contact.
- Tim Berners-Lee, WWW inventor. Arthur to contact.

#### **Next meeting**

Approximately 4 weeks, Greg to send time options

## **Appendices**

### **Organizing committee**

General Chair: Greg Adamson

Finance Chair: Robert Alongi

Boston Section Conference Chair: Arthur Winston

SSIT Conference Chair: Lewis Terman

SMC Conference Chair: Dimitar Filev

CSS Conference Chair: Mengchu Zhou

Publications Chair:

Publicity and Public Relations Chair: Flo Conway or Jim Siegelman

Local Arrangements Chair:

### **Program committee (roles to be filled, additional roles to be added)**

Program Chair:

Boston Section Program Chair:

SSIT Program Chair: Mary Hawkins

SMC Program Chair: Vladik Kreinovic

SMC R10 Program Chair: Philip Chen

CSS Program Chair:

Conference Structure Chair:

Information Ethics stream chair: ICIE to nominate

History Chair: David Burger

Multimedia Chair:

Personal Recollections Chair:

### **Suggested possible Keynote and “Memories of NW” invitees**

1 of Prof. John Baillieul, Boston University,

<http://www.bu.edu/systems/people/baillieul/>

Simon Haykin, McMaster University, <http://soma.mcmaster.ca/haykin.php>

Terrence Sejnowski, Salk Institute, <http://www.salk.edu/faculty/sejnowski.html>

Prof. Keith Hipel – member of BOG SMC, President Elect of the Royal Society of Canada's Academy of Science, <http://www.systems.uwaterloo.ca/Faculty/Hipel/>

Bill Joy, [http://en.wikipedia.org/wiki/Bill\\_Joy](http://en.wikipedia.org/wiki/Bill_Joy)

Dr Amar Bose, CEO, Bose, former student and colleague of Dr Wiener

Dr Vint Cerf, VP and Chief Internet Evangelist, Google

Dr Robert Vallée, chair World Organization of Systems and Cybernetics

Dr Mary Catherine Bateson, writer and cultural anthropologist

Vernor Vinge, mathematician and multi-award winning science fiction writer

Dr Richard Stallman, President, Free Software Foundation

Bill Gates, founder, Microsoft

Sherry Turkle, MIT, author, Life in the Screen: Identity in the Age of the Internet

Erik Brynjolfsson, Andrew McAfee, MIT, authors of Race Against the Machine

Tim Berners-Lee, WWW inventor

Jaron Lanier, leader in the field of Virtual Reality, <http://www.jaronlanier.com/>

Bruce Schneier, cryptographer and leading information security specialist

Eugene Morozov, author, The Net Delusion: The Dark Side of Internet Freedom

Theodore Postol, missile defense commentator

Joi Ito, Director MIT Media Lab

William Gibson, science fiction writer who coined the term “cyberspace”

Lilly Winston

Wiener family members

Donald Seal



## **Possible themes (partial) that currently have interested volunteers**

### **Theme 1, History**

- Sub-theme 1: Personal reminiscences
- Sub-theme 2: Wiener and MIT
- Sub-theme 3: Wiener and philosophy
- Sub-theme 4: IEEE milestone
- Sub-theme 5: Wiener and his time in India

### **Theme 2, Cybernetics**

- Sub-theme 1: Wiener and Cybernetics
- Sub-theme 2: UK cybernetics
- Sub-theme 3: Indian cybernetics
- Sub-theme 4: Russian cybernetics
- Sub-theme 5: Stafford Beer and Chilean cybernetics
- Sub-theme 6: Management cybernetics
- Sub-theme 7: Cybernetics and transhumanism

### **Theme 3, Breadth of influence**

- Sub-theme 1: Information ethics
- Sub-theme 2: Wiener and life-sciences, 50 years on
- Sub-theme 3: Wiener and education
- Sub-theme 4: Wiener and interval computations
- Sub-theme 5: Wiener and mathematics
- Sub-theme 6: Wiener and the Internet
- Sub-theme 7: Wiener and science fiction

### **Theme 4, Societal topics**

- Sub-theme 1: Wiener and the future of work
- Sub-theme 2: Wiener and the social impact of technology
- Sub-theme 3: Wiener and science fiction
- Sub-theme 4: Wiener and Intellectual Property
- Sub-theme 5: Cyber-warfare
- Sub-theme 6: Cyber-crime



# Fifth International Conference on Imaging for Crime Detection and Prevention (ICDP-13)

IET's Vision and Imaging Network

16-17 Dec 2013, London UK

## Call for Papers

### General Chair

**Sergio A Velastin**

Kingston University London, UK

### Technical Chair

**James Orwell**

Kingston University London, UK

### Publications Chair

**Ebroul Izquierdo**

Queen Mary Univ. of London, UK

### Regional Chairs

**Lynn Abbott (North America)**

Virginia Tech, USA

**Chee Seng Chan (S East Asia)**

University Malaya, Malaysia

**Gustavo Fernández (Europe)**

Austrian Institute of Technology, Austria

**Agustín Moreno (Latin America)**

Universidad Nacional, Colombia

**Tieniu Tan (China)**

National Laboratory of Pattern Recognition (NLPR-CAS), China

### Organising Committee

**Alberto Albiol**

UPV, Valencia, Spain

**François Bremond**

INRIA, France

**Simone Calderara**

Università di Modena, Italy

**Márjory C. Da Costa-Abreu**

UFRN, Brazil

**Tony Davies**

IEEE, UK

**Tim Ellis**

Kingston University, UK

**Anthony TS Ho**

University of Surrey, UK

**Martin Lazell**

Royal Borough of Kingston upon

Thames, UK

**DCI Mick Neville**

Scotland Yard, UK

**Miguel Torres Torriti**

PUC, Chile

### AIMS AND SCOPE

Crime and anti-social behaviour have a significant cost for society and business alike. Just in the UK anti-social behaviour alone accounts annually for around £3.3 billion of taxpayers' money with incidents of graffiti and vandalism estimated to cost around £600 million/p.a. Surveillance systems of all kinds are thus being increasingly deployed in public and private locations serving as deterrence and/or for information gathering. World events have once again highlighted the vulnerability of public spaces to attacks. However, there are serious limitations to the use of conventional monitoring systems where human operators are asked to survey a large number of cameras with a wide geographical coverage or go through enormous amounts of recorded material. Computer-based technologies are increasingly becoming researched in what is becoming popularly known as video analytics, propelled by recent advances in processing power, fixed and wireless IP-networking technologies, volume storage, cheap cameras, etc. The realisation of such advances into working systems can have a major impact on society but also on individual liberty. This conference follows the successful IDSS (Intelligent Distributed Surveillance Systems) events held in 2003 and 2004 and ICDP 2005, 2006, 2009, and 2011 to bring together researchers, industry, end-users, law-enforcing agencies and citizens groups to share experiences and explore areas where additional research and development are needed, identify possible collaboration and consider the societal impact of such technologies.

Full papers are invited on all aspects of Imaging Surveillance technologies, from academia, industry, NGOs and others, to be selected for oral presentations or posters through a peer-review system (see also: <http://www.icdp-conf.org>). An indicative, not exclusive, list of relevant topics is:

- Surveillance Systems and solutions (system architecture aspects, operational procedures, usability, scalability)
- Multi-camera systems
- Information fusion (e.g. from visible and infrared cameras, microphone arrays. etc.)
- Learning systems, Cognitive Systems Engineering and video mining
- Robust computer vision algorithms (24/7 operation under variable conditions, object tracking, multi-camera algorithms, behaviour analysis and learning, scene segmentation)
- Human Machine Interfaces, Human Systems Engineering and Human Factors
- Wireless communications and networks for video surveillance, video coding, compression, authentication, watermarking, location-dependent services
- Metadata generation, video database indexing, searching and browsing
- Embedded systems, surveillance middleware
- Gesture and posture analysis and recognition
- Biometrics (including face recognition)
- Forensics and crime scene reconstruction
- X-Ray and Terahertz scanning
- Case studies, practical systems and testbeds
- Data protection, civil liberties and social exclusion issues

The conference papers will be published by the IET and made available online via the IET Digital Library and the IEEE/IET Electronic Library (available on IEEE Xplore). The conference papers will also be indexed by Inspec. Authors of exceptional papers will be invited to submit extended versions to be considered for publication in the IET Computer Vision Journal. There will be delegate fee discounts for authors, students and members of the IET and sponsoring organisations.

### KEY DATES

Receipt of full papers (maximum of 6 pages in PDF format using the prescribed format).

Notification of acceptance

Receipt of camera-ready papers

1<sup>st</sup> September 2013

25<sup>th</sup> October 2013

11<sup>th</sup> November 2013



Advancing Technology  
for Humanity



11 SCHOLARSHIPS

Budget 2013

**2013 IEEE S/C BUDGET  
FOR THE PERIOD ENDING DECEMBER 31, 2013**

**BUS UNIT - 0300  
SUMMARY BY COST CENTER**

	2006	2007	2008	2009	2010	2011	2012	2013
	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	BUDGET	BUDGET
00100 INTEREST INCOME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
00790 TECHNOLOGY & SOCIETY MAGAZINE	204.3	193.8	155.8	160.6	169.3	166.3	172.9	158.6
00791 SSIT FEES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.1
01499 PERIODICAL RELATED - OTHER	0.1	0.4	0.0	0.2	0.0	0.0	0.0	0.0
01600 NON PERIODICAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01700 MEETINGS/CONFERENCES	70.0	73.5	60.5	115.3	71.9	38.6	39.3	41.2
01701 CONFERENCE - RELATED	0.0	1.0	2.1	1.0	0.0	0.0	0.0	0.0
01800 ADMINISTRATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01900 COMMITTEE & OTHER	0.0	0.0	0.0	0.9	0.2	0.0	0.0	0.0
<b>TOTAL INCOME</b>	<b>274.3</b>	<b>268.7</b>	<b>218.4</b>	<b>278.0</b>	<b>241.6</b>	<b>204.9</b>	<b>212.2</b>	<b>254.0</b>
00100 RMBSVC INTEREST INCOME	(29.7)	(54.9)	142.6	(73.8)	(17.8)	25.6	0.0	0.0
00790 TECHNOLOGY & SOCIETY MAGAZINE	122.0	131.6	143.3	123.3	125.0	114.5	135.1	102.5
00791 SSIT FEES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01499 PERIODICAL RELATED - OTHER	0.9	2.0	2.3	2.4	1.9	6.0	3.2	3.0
01600 NON PERIODICAL	1.4	0.8	0.9	1.3	1.6	3.5	3.5	1.3
01700 MEETINGS/CONFERENCES	5.0	16.7	5.8	39.9	21.1	7.5	22.2	22.4
01701 CONFERENCE - RELATED	0.2	0.2	0.1	0.1	0.1	0.5	0.1	0.1
01800 ADMINISTRATION	98.8	149.9	85.8	85.6	83.2	91.0	99.8	93.8
01900 COMMITTEE & OTHER	25.0	11.5	19.8	8.6	12.0	4.3	12.7	13.3
<b>TOTAL EXPENSE/RMBSVC</b>	<b>223.5</b>	<b>257.7</b>	<b>400.5</b>	<b>187.4</b>	<b>227.1</b>	<b>252.8</b>	<b>276.7</b>	<b>236.3</b>
<b>TOTAL NET</b>	<b>50.8</b>	<b>10.9</b>	<b>(182.2)</b>	<b>90.6</b>	<b>14.4</b>	<b>(47.9)</b>	<b>(64.4)</b>	<b>17.7</b>

Actuals – 2012

	2007	2008	2009	2010	2011	2012	2012	2012
	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	ACTUALS	BUDGET	Variance
01701 CONFERENCE - RELATED	1.0	2.1	1.0	0.0	0.0	0.0	0.0	0.0
01800 ADMINISTRATION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01900 COMMITTEE & OTHER	0.0	0.0	0.9	0.2	0.0	0.2	0.0	0.2
<b>TOTAL INCOME</b>	<b>268.7</b>	<b>218.4</b>	<b>278.0</b>	<b>241.6</b>	<b>204.9</b>	<b>200.1</b>	<b>212.2</b>	<b>(12.2)</b>
00100 RMBSVC INTEREST INCOME	(54.9)	142.6	(73.8)	(17.8)	25.6	(18.5)	0.0	18.5
00790 TECHNOLOGY & SOCIETY MAGAZINE	131.6	143.3	123.3	125.0	114.5	110.7	135.1	24.4
00791 SSIT FEES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
01499 PERIODICAL RELATED - OTHER	2.0	2.3	2.4	1.9	6.0	8.5	3.2	(5.3)
01600 NON PERIODICAL	0.8	0.9	1.3	1.6	3.5	3.2	3.5	0.3
01700 MEETINGS/CONFERENCES	16.7	5.8	39.9	21.1	7.5	6.2	22.2	16.0
01701 CONFERENCE - RELATED	0.2	0.1	0.1	0.1	0.5	0.1	0.1	0.0
01800 ADMINISTRATION	149.9	85.8	85.6	83.2	91.0	98.4	99.8	1.4
01900 COMMITTEE & OTHER	11.5	19.8	8.6	12.0	4.3	14.3	12.7	(1.6)
<b>TOTAL EXPENSE/RMBSVC</b>	<b>257.7</b>	<b>400.5</b>	<b>187.4</b>	<b>227.1</b>	<b>252.8</b>	<b>223.0</b>	<b>276.7</b>	<b>53.7</b>
<b>TOTAL NET</b>	<b>10.9</b>	<b>(182.2)</b>	<b>90.6</b>	<b>14.4</b>	<b>(47.9)</b>	<b>(22.9)</b>	<b>(64.4)</b>	<b>41.5</b>

# Reserves

Balance Sheet

IEEE  
FM14-11  
2012-07-30T11:12:12

Business Unit=0300 (Social Implications of Tech)

	11-Apr	11-May	11-Jun	11-Jul	11-Aug	11-Sep	11-Oct	11-Nov	11-Dec	FM13-11	FM14-11
Accts Receivable	2	2	2	6	6	6	6	6	3	3	3
Loans/Advances Receivable	0	0	0	0	0	0	0	0	0	0	0
Prepaid Expenses	0	0	0	0	0	0	0	0	1	1	1
Fixed Assets	0	0	0	0	0	0	0	0	0	0	0
Pooled Assets	310	302	331	300	291	286	253	254	242	278	280
<b>Total Assets</b>	<b>312</b>	<b>304</b>	<b>333</b>	<b>306</b>	<b>297</b>	<b>292</b>	<b>259</b>	<b>260</b>	<b>246</b>	<b>282</b>	<b>284</b>
Accts Payable	0	0	0	0	0	0	0	0	0	0	0
Deferred Income	0	0	0	0	0	1	7	18	29	29	29
<b>Total Liabilities</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>18</b>	<b>29</b>	<b>29</b>	<b>29</b>
<b>Net Worth</b>	<b>312</b>	<b>304</b>	<b>333</b>	<b>306</b>	<b>297</b>	<b>291</b>	<b>252</b>	<b>242</b>	<b>217</b>	<b>253</b>	<b>255</b>
<b>Total Liabilities &amp; Net Worth</b>	<b>312</b>	<b>304</b>	<b>333</b>	<b>306</b>	<b>297</b>	<b>292</b>	<b>259</b>	<b>260</b>	<b>246</b>	<b>282</b>	<b>284</b>
Cumulative Surplus/Deficit	9	1	30	3	-6	-12	-51	-61	-86	-50	-48
Prior Year Reserve	311	311	311	311	311	311	311	311	311	311	311
Infrastructure Reserve Loan	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
<b>Net Worth</b>	<b>312</b>	<b>304</b>	<b>333</b>	<b>306</b>	<b>297</b>	<b>291</b>	<b>252</b>	<b>242</b>	<b>217</b>	<b>253</b>	<b>255</b>

## PUBLICATIONS REPORT

16 March 2013 Board of Governor's Meeting

Keith W. Miller, outgoing Pubs Chair

1. The conversion to online Qmags has been accomplished. Soon, probably in a week or two, all SSIT members should be getting an email with information about how to access the next issue. Our editor in chief Katina Michael and our managing editor Terri Bookman have been working overtime for months on this, but they pulled it off. At the moment, it looks like the first email will give us the magazine, and the second email the table of contents. We are looking into reversing that in the future.
2. We don't yet have an estimate of how many people will buy the newly expensive paper copy of the magazine...any takers on the BoG? It is "only" \$120 / year. Katina is one customer that I know of.
3. We are eager to have the BoG approve the request for funds to implement a website redesign. The proposal before the board does NOT include a magazine redesign. However, coordinating these two projects would seem to be a good idea. The cost of a magazine cover redesign we estimate to be about \$3000 from an independent designer, and \$4400 if we have IEEE staff do it. IEEE Spectrum is an example of an IEEE publication that has recently gone through this process.
4. The paper version of *Technology and Society Magazine* (T&S) was an award of excellence for 2012 from the Society for Technical Communications (NY & Phili chapters). Congratulations to Katina and Terri. As an aside, the judges thought we were overdue for a redesign.
5. We need to get a more efficient and effective system for accepting, reviewing, and publishing papers. Manuscript Central/Scholar One is the preferred choice. Perhaps this could be done through a new initiative grant.
6. SSIT (through Katina and Keith) is doing a special issue on Big Data with *IEEE Computer*. This project is on track for a June publication date.
7. Keith is tendering his resignation, so SSIT needs a new pubs chair. Keith is taking a new job starting June 1, and can't devote sufficient time to his SSIT duties. Keith intends to stay active as a reviewer, writer and guest editor. Best of luck to the new chair!

# SSIT BoG Membership Report March 2013: Worrying trend on renewals

<b>Status</b>	<b>Responsibility</b>	Membership Committee Chair	<b>Benefits</b>	
<p>Since June 2012, for the first time in 16 months, the year-on-year membership has increased modestly, up about 4 per cent. (Because of the membership renewal cycle, year-on-year variation is the most meaningful comparison.) However, the figures for January 2013 are significantly down on the rest of 2012, and this may continue when the large annual drop occurs in February. Particularly worrying is the potentially confusing format of the SSIT 2013 renewal, which made some SSIT member believe that SSIT membership now required a \$100+ payment for T&amp;S. The format of this renewal notice was outside of the control of SSIT.</p> <p>The current membership program focusses on four areas:</p> <ol style="list-style-type: none"> <li>1. <b>Visibility:</b> Ask members to each encourage one other person, including an IEEE member not in SSIT, to join in the current membership renewal round.</li> <li>2. <b>Accessibility:</b> Understand why student membership has declined from a peak of 337 to the current 25 and is still falling.</li> <li>3. <b>Reach:</b> Examine geographical distribution of members for opportunities for growth including encouraging those in areas with sufficient members to form a chapter.</li> <li>4. <b>Value:</b> Identify additional products or services that make SSIT membership a compelling proposition (additional to T&amp;S, ISTAS, chapters, Technical meetings).</li> </ol>	<b>Category</b>	<input type="checkbox"/> Initiatives	<input type="checkbox"/> Membership growth <input type="checkbox"/> Future planning <input type="checkbox"/> Financial stability	
<b>Assumptions</b>				
<ol style="list-style-type: none"> <li>1. Low SSIT membership is not due to any objective limitations.</li> <li>2. Low student membership can be addressed if we find the right approach.</li> <li>3. Any cost burden resulting from having additional members can be met through existing resources for up to two years.</li> <li>4. While 1% of IEEE in SSIT is an immediate goal, it doesn't represent SSIT's full potential.</li> <li>5. At some reasonable level, but in any case below 5,000 members, additional membership will provide a financial benefit to SSIT.</li> <li>6. The planned changes to IEEE society membership will not conflict with recruiting additional members now (but need to tie changes to this).</li> <li>7. Membership will grow in areas with an active chapter; where we have 8 or more members there is a reasonable possibility of achieving a functioning chapter (which requires a minimum 12 higher grade members).</li> </ol>				
<b>Risks and Dependencies</b>				
<ol style="list-style-type: none"> <li>1. Poor experience of new members may lead to attrition among new members after their first year: SSIT needs to promote attractive products and services to new members.</li> <li>2. Recent experience does not support a goal of 1,000 student members. Approach needs to include an understanding of past success factors in recruiting student members.</li> <li>3. Sustaining student membership after graduation is an ongoing IEEE challenge.</li> <li>4. Additional chapters will raise the effort required in chapter coordination: BoG needs to devote additional resources to providing advice and assistance to new chapters, possibly asking existing chapters to "buddy" a new chapter.</li> </ol>				
<b>Update since last report</b>				
<b>Visibility</b> <ul style="list-style-type: none"> <li>• IEEE Computer special issue prepared by Katina and Keith near publication.</li> <li>• ISTAS '14 raising SSIT's profile.</li> <li>• ISTAS '13 attendees provided special membership offer</li> </ul>				
<b>Planned next steps</b>				
<b>Visibility</b> <ul style="list-style-type: none"> <li>• Issue a special appeal to former member to rejoin, explaining that a physical T&amp;S subscription is not required for membership.</li> <li>• Align the membership approach to actions around the SSIT review.</li> <li>• Understand what issues are preventing students from joining SSIT.</li> <li>• Continue seeking outreach opportunities such as provided with the Computer Society.</li> </ul>				
<b>Targets: to be updated based on SSIT review steps</b>				
<b>Goal</b>	<b>December 2011</b>	<b>December 2012</b>	<b>Target December 2013</b>	
Higher Grades	1662	1738	2950	
Students	46	37	1000	
Affiliates	29	31	50	
<b>Total</b>		<b>1,643</b>	<b>4,000</b>	

## IEEE SSIT Membership proposal: "1% of IEEE membership by 2013" Mar. 2012

Milestones & Key Actions		
Action	Target date	Owner
1. Establish <b>membership committee</b>	Complete	
2. Access current geographical spread and historical total <b>SSIT data</b>	Complete	
3. Provide proposed approach for <b>BoG approval</b>	Complete	
4. For target membership numbers and types, <b>determine SSIT financial effect</b>	December 11	SSIT Treasurer
5. <u>Visibility</u> : Begin program of visible active recruitment, including encouraging existing members to recruit others, and <b>articles in all Region newsletters and the SSIT Newsletter</b> .	Ongoing	Membership committee
6. <u>Accessibility</u> : Identify and remove any IEEE organisational barriers to SSIT student membership; consider decision to appoint <b>student representative to BoG and each chapter committee</b>	December 2012	Membership committee
7. <u>Reach</u> : Identify current chapter coverage. In areas without chapters with 8 or more SSIT members circulate Section or Country-specific invitations to establish chapters, with a goal of <b>creating 4 new chapters per year</b> . Consider buddying existing chapters to new chapters and initiate this through an " <b>SSIT chapters congress</b> " via <b>teleconference/Skype</b> . Consider <b>Joint chapters</b> , coordinating this with Division VI.	December 2012	SSIT Chapter Chair
8. <u>Value</u> : Expand suite of products and services to provide value and engagement (in addition to T&S, ISTAS, the chapters, technical meetings). Goal of <b>2 new products/services per year</b>	June 2013	Membership committee
9. Provide progress reports to BoG meetings	Ongoing	GA

IEEE SSIT monthly membership figures 2009 to 2013, by membership grade															
Month	Higher grade members			Student members			Affiliates			Total			Total excluding Affiliates		
	Number	Prev. Yr	Change	Number	Prev. Yr	Change	Number	Prev. Yr	Change	Number	Prev. Yr	Change	Number	Prev. Yr	Change
Jan-09	1604	1711	-107	53	76	-23	24	20	4	1681	1807	-126	1657	1787	-130
<b>Feb-09</b>	<b>1377</b>	<b>1483</b>	<b>-106</b>	<b>41</b>	<b>56</b>	<b>-15</b>	<b>17</b>	<b>15</b>	<b>2</b>	<b>1435</b>	<b>1554</b>	<b>-119</b>	<b>1418</b>	<b>1539</b>	<b>-121</b>
Mar-09	1453	1481	-28	43	55	-12	18	17	1	1514	1553	-39	1496	1536	-40
Apr-09	1469	1514	-45	46	59	-13	18	17	1	1533	1590	-57	1515	1573	-58
May-09	1487	1537	-50	50	60	-10	19	18	1	1556	1615	-59	1537	1597	-60
Jun-09	1522	1569	-47	41	52	-11	20	19	1	1583	1640	-57	1563	1621	-58
Jul-09	1530	1581	-51	45	54	-9	20	19	1	1595	1654	-59	1575	1635	-60
Aug-09	1544	1594	-50	40	41	-1	20	19	1	1604	1654	-50	1584	1635	-51
Sep-09	1561	1611	-50	44	42	2	20	19	1	1625	1672	-47	1605	1653	-48
Oct-09	1585	1638	-53	48	46	2	21	20	1	1654	1704	-50	1633	1684	-51
Nov-09	1606	1677	-71	48	51	-3	23	23	0	1677	1751	-74	1654	1728	-74
Dec-09	1670	1715	-45	51	57	-6	26	25	1	1747	1797	-50	1721	1772	-51
Jan-10	1564	1604	-40	49	53	-4	26	24	2	1639	1681	-42	1613	1657	-44
<b>Feb-10</b>	<b>1349</b>	<b>1377</b>	<b>-28</b>	<b>41</b>	<b>41</b>	<b>0</b>	<b>20</b>	<b>17</b>	<b>3</b>	<b>1410</b>	<b>1435</b>	<b>-25</b>	<b>1390</b>	<b>1418</b>	<b>-28</b>
Mar-10	1564	1453	111	45	43	2	22	18	4	1631	1514	117	1609	1496	113
Apr-10	1659	1469	190	48	46	2	22	18	4	1729	1533	196	1707	1515	192
May-10	1680	1487	193	52	50	2	23	19	4	1755	1556	199	1732	1537	195
Jun-10	1713	1522	191	39	41	-2	24	20	4	1776	1583	193	1752	1563	189
Jul-10	1724	1530	194	41	45	-4	24	20	4	1789	1595	194	1765	1575	190
Aug-10	1741	1544	197	30	40	-10	25	20	5	1796	1604	192	1771	1584	187
Sep-10	1752	1561	191	33	44	-11	25	20	5	1810	1625	185	1785	1605	180
Oct-10	1784	1585	199	35	48	-13	28	21	7	1847	1654	193	1819	1633	186
Nov-10	1811	1606	205	37	48	-11	28	23	5	1876	1677	199	1848	1654	194
Dec-10	1845	1670	175	44	51	-7	30	26	4	1919	1747	172	1889	1721	168
Jan-11	1674	1564	110	44	49	-5	29	26	3	1747	1639	108	1718	1613	105
<b>Feb-11</b>	<b>1415</b>	<b>1349</b>	<b>66</b>	<b>41</b>	<b>41</b>	<b>0</b>	<b>20</b>	<b>20</b>	<b>0</b>	<b>1476</b>	<b>1410</b>	<b>66</b>	<b>1456</b>	<b>1390</b>	<b>66</b>
Mar-11	1467	1564	-97	46	45	1	22	22	0	1535	1631	-96	1513	1609	-96
Apr-11	1493	1659	-166	48	48	0	22	22	0	1563	1729	-166	1541	1707	-166
May-11	1519	1680	-161	49	52	-3	22	23	-1	1590	1755	-165	1568	1732	-164
Jun-11	1540	1713	-173	40	39	1	23	24	-1	1603	1776	-173	1580	1752	-172
Jul-11	1557	1724	-167	41	41	0	24	24	0	1622	1789	-167	1598	1765	-167
Aug-11	1567	1741	-174	36	30	6	25	25	0	1628	1796	-168	1603	1771	-168
Sep-11	1573	1752	-179	40	33	7	26	25	1	1639	1810	-171	1613	1785	-172
Oct-11	1599	1784	-185	43	35	8	28	28	0	1670	1847	-177	1642	1819	-177
Nov-11	1633	1811	-178	44	37	7	28	28	0	1705	1876	-171	1677	1848	-171
Dec-11	1662	1845	-183	46	44	2	29	30	-1	1737	1919	-182	1708	1889	-181
Jan-12	1541	1674	-133	45	44	1	31	29	2	1617	1747	-130	1586	1718	-132
<b>Feb-12</b>	<b>1295</b>	<b>1415</b>	<b>-120</b>	<b>29</b>	<b>41</b>	<b>-12</b>	<b>25</b>	<b>20</b>	<b>5</b>	<b>1349</b>	<b>1476</b>	<b>-127</b>	<b>1324</b>	<b>1456</b>	<b>-132</b>
Mar-12	1362	1467	-105	33	46	-13	25	22	3	1420	1535	-115	1395	1513	-118
Apr-12	1393	1493	-100	33	48	-15	27	22	5	1453	1563	-110	1426	1541	-115
May-12	1509	1519	-10	36	49	-13	27	22	5	1572	1590	-18	1545	1568	-23
Jun-12	1557	1540	17	29	40	-11	29	23	6	1615	1603	12	1586	1580	6
Jul-12	1585	1557	28	33	41	-8	30	24	6	1648	1622	26	1618	1598	20
Aug-12	1605	1567	38	25	36	-11	30	25	5	1660	1628	32	1630	1603	27
Sep-12	1625	1573	52	29	40	-11	31	26	5	1685	1639	46	1654	1613	41
Oct-12	1669	1599	70	30	43	-13	31	28	3	1730	1670	60	1699	1642	57
Nov-12	1701	1633	68	33	44	-11	31	28	3	1765	1705	60	1734	1677	57
Dec-12	1738	1662	76	37	46	-9	31	29	2	1806	1737	69	1775	1708	67
Jan-13	1542	1541	1	37	45	-8	28	31	-3	1607	1617	-10	1579	1586	-7
Feb-13															

