

# Sensory Systems Technical Committee of the IEEE Circuits and Systems Society

## Annual Meeting Minutes

### ISCAS 2007

*Date: Monday 29<sup>th</sup> May 2007*

*Time: 19:30 – 21:00*

*Room: Jasperwood*

*Hotel: Hilton Riverside, New Orleans*

**TC Members at the meeting: 28 members including the TC officers.**

*0. Advance from 'various messages':*

Since TC member Tor Sverre Lande needed to attend another meeting, he briefed TC members on several topics; some of them are mentioned here and others are mentioned in the section below on 'various messages'. Tor Lande introduced the new IEEE Transactions on Biomedical Circuits and Systems (TBCAS) journal and announced the upcoming BioCAS conference in Montreal. Roman Genov commented that the authors of papers from the ISCAS special sessions endorsed by SSTC should be invited to a special issue of the BIOCAS journal. Details will follow.

*1. Approval of 2007 agenda.*

Agenda for TC meeting at ISCAS 2007 were approved.

*2. Introduction of members and officers of the SSTC:*

Chairman, Andre van Schaik opened the meeting. He welcomed all TC members and visitors. 28 TC members were present including new TC members. The full list of attendees is given in appendix A.

*3. New TC member candidates introduced.*

Six new members were added to the TC. They are:

Name	Affiliation	Research Area	Email
Teresa Serrano-Gotarredona	Sevilla Microelectronics Institute	AER systems	<a href="mailto:terese@imse.cnm.es">terese@imse.cnm.es</a>
Alexander Fish	ATIPS labs		<a href="mailto:fish@atips.ca">fish@atips.ca</a>

Jennifer Blain Christen	Johns Hopkins University	Hybrid electro-fluidic systems for life sciences	blain@jhu.edu
Akos Zarandy	Hungarian Academy of Sciences	CNNs	<a href="mailto:zarandy@sztaki.hu">zarandy@sztaki.hu</a>
Arjang Hassibi	University of Texas		arjang@mail.utexas.edu
Christoph Posch	ARCS	AER Image Sensors and processing	Christoph.posch@arcs.ac.at

#### 4. *Annual Report*

The annual meeting minutes were approved by TC members by e-mail shortly after the annual meeting, instead of at the next year's meeting. Members should submit their accomplishments when the chairman sends a request for input for the annual report. Out of 38 active members, only 20 members replied. The information is important to show the active participation of members in this TC.

The Sensors Track received 53 submissions at ISCAS 2007. There was a 47.2% acceptance rate with 15 oral papers and 10 poster papers. There were 2 Special Sessions.

#### 5. *Best Papers of ISCAS 2007 Sensory Systems Track*

Chairman Andre van Schaik explained the procedure for selecting the track best paper this year. From the papers that obtained the highest scores during the review process, a best paper selection process was started. TC members scored a selection of the highest score papers, so that each person scored the same number of papers, each paper received the same number of scores, and no one scored any of his/her own paper. The scores were collected and the paper with the highest scores received the best paper track award. Three runner ups received honourable mentions.

The first honorary mention goes to paper "A Spike Based Saccadic Recognition System", by M. Oster, P. Lichtsteiner, T. Delbruck, and S.C. Liu, from University of Zurich/ETH Zurich.

The second honorary mention goes to paper "A CMOS Front-End for a Lossy Image Compression Sensor" by Zhiqiang Lin, Michael W. Hoffman, Walter D. Leon, Nathan Schemm, and Sina Balkir, from the University of Nebraska-Lincoln.

The third honorary mention goes to paper "An AER Contrast Retina with On-Chip Calibration", by J. Costas-Santos, T. Serrano-Gotarredona, R. Serrano-Gotarredona, and B. Linares-Barranco, from the Sevilla Microelectronics Institute.

The best paper goes to "Low Fixed Pattern Noise Current-mode Imager Using Velocity Saturated Readout Transistors" by Zheng Yang, Viktor Gruev and Jan Van der Spiegel, from the University of Pennsylvania.

#### 6. *Reports from Technical Activities Committee Meeting*

The demo sessions were very well received. The organizers of ISCAS would like to invite other Technical Committees to organize their own demo track. If the demo track is a popular track in other TCs too, then the organizers will make it a regular track. There is also interest in creating competitions for certain demo tracks. If there are ideas on how TC members can implement this competition within the SSTC, let the new chair know (Shih-Chii Liu).

## *7. Various Messages*

G. Gielen is requesting nominations for Board of Governors. Giacomo Indiveri will look into the nomination process for BoG and will contact members for support if he decides to run for as a BOG candidate. M. Zaghloul is trying to arrange Special Sessions for IEEE Sensors 2007, as well as trying to promote joint activities between the Sensors and CAS Societies. Suggestions from SSTC members are welcome. Please let M. Zaghloul know if you have papers at Sensors 2007.

Message from Joseph Chang: IEEE CAS Magazine organizes an “open column”. If there are ideas for articles for these columns, please tell the new chair (Shih-Chii Liu).

Message from Un-Ku Moon and Gianluca Setti: include Special (invited) sessions on timely and emerging research topics.

Message from Tor Lande: Nominations for Associate Editors (AEs) are solicited, especially for TCAS-I, since the present load per AE is quite high. Nominations for EiC are also solicited.

Nominations for DLPs are solicited for the November-December deadline. A recent survey by the DLP chair shows that the previous attendees of DLP lectures would like to the lectures to have a larger industrial emphasis.

## *8. Election of New Officers*

After a two year term, new officers will be inducted into each position. Usually a new secretary-elect is elected. The present secretary moves to chair-elect, and the present chair-elect moves to chair. For the new chair-elect position, new candidates can be nominated. This year's secretary, Denise Wilson, however, wants to resign because of excess of commitments and lack of time for this position. Andre van Schaik proposed Bernabe Linares as the new chair-elect, and the motion was approved. Shih-Chii Liu moved from chair-elect to the new chair. This left two open positions for secretary and secretary-elect. Andre van Schaik proposed John Harris for secretary and Tobias Delbruck for secretary-elect. Orly Yadid nominated Teresa Serrano-Goterradona for secretary-elect. The three candidates were asked to leave the room for deliberation among the rest of committee members. After preliminary deliberation, the TC members asked Tobias Delbruck if he would be willing to run for secretary. The committee elected Tobias Delbruck as secretary, Teresa Serrano-Goterradona as secretary-elect and that John Harris is kept in reserve for the next elections.

From now on the meeting is conducted by the new chair Shih-Chii Liu.

9. *Update on the Committee's Bylaws*

The new bylaws approved by the members through e-mail during the last year, demand that membership is retained only if a person has participated in any of the annual meetings over the past three years. Officers from the CAS Society have pointed out that this requirement might be too strict. The new chair proposes to relax it and proposes that membership to the TC is maintained if a person participates in any of the last three years annual meetings and/or participates in the reviewing activities of the track. The motion is approved.

10. *Discussion of 2008 activities*

New special sessions are requested for next year ISCAS. Tobi Delbruck proposed an additional lecture format for the demo session. Ralph Etienne-Cummings and Andrew Mason will look into the possible candidates for organizing a special session/tutorial on Energy Harvesting and/or Low Power. The committee will look for people to propose.

11. *Adjourn*

The meeting was adjourned.

## **Appendix A**

### **Members present:**

Bertram Shi  
John Harris  
Philipp Haeffliger  
Ralph Etienne-Cummings  
Khaled Salama  
Pamela Abshire  
Eugenio Culurciello  
Piotr Dudek  
Viktor Gruev  
Roman Genov  
Tor Sverre Lande  
Tobi Delbruck  
Andrew Mason  
Orly Yadid-Pecht  
Andre van Schaik  
Shih-Chii Liu  
Bernabe Linares-Barranco  
Denise Wilson  
Teresa Serrano-Gotarredona  
Giacomo Indiveri  
Timothy Horiuchi  
Jonathan Tapson  
Maysam Ghovanloo  
Alexander Fish  
Jennifer Blain Christen  
Akos Zarandy  
Arjang Hassibi  
Christoph Posch

