

Minutes of Meeting of IEEE Technical Committee on CAS Education and Outreach (CASEO)

Minutes presented by TC Chair:

Tokunbo Ogunfunmi (email : togunfunmi@scu.edu or tokunbo@ieee.org)

Meeting Held at ISCAS 2012 in Seoul, Korea

Date: Tuesday, 22 May 2012

Time: 13:10 - 14:15

Room: 318B at COEX Convention Center

Attendance List at IEEE CASEO TC Meeting 2012

Name	Affiliation	E-mail address
Tokunbo Ogunfunmi (chairman)	Santa Clara Univ.,USA	togunfunmi@scu.edu or tokunbo@ieee.org
Joos Vandewalle (past chairman)	K.U.Leuven, Belgium	Joos.vandewalle@esat.kuleuven.be
Babak Ayazifar (secretary)	Univ. California, Berkeley, USA	ayazifar@eecs.berkeley.edu
Eduard Alarcon	UPC, Barcelona, Spain	eduard.alarcon@upc.edu
Yun He	Tsinghua University, China	hey@tsinghua.edu.cn
Kohski Okumura		o.kohski@gmail.com
Fernando Gehm Moraes		Moraes@pucrs.br
Ricardo Reis	Federal University of Rio do Grand Sul, Brazil	reis@inf.ufrgs.br
Christoph Zorn		zorn@tet.uni-hannover.de
Arjuna Madanayake	University of Akron, Ohio, USA	arjuna@uakron.edu
Mohsin Jamali	University of Toledo, Ohio, USA	Mohsin.Jamali@utoledo.edu
Orla Feely	Univ. College, Dublin, Ireland	orla.feely@ucd.ie
M. Omair Ahmad	Concordia University, Canada	omair@ece.concordia.ca

Ljiljana Trajkovic	Simon Fraser Univ. Vancouver, Canada	ljilja@cs.sfu.ca
Sergio Callegari	Univ. Bologna, Italy	Sergio.callegari@unibo.it
Malgorzata Chrzanowska-Jeske	Portland State Univ., USA	jeske@ece.pdx.edu
Raija Lehto	Tampere Univ. Technology, Finland	Raija.lehto@tut.fi
Magdy Bayoumi	University of Louisiana, Lafayette, LA, USA	mab@cacs.louisiana.edu
Randy Geiger	Iowa State University, USA	rlgeiger@iastate.edu
Robert Rieger	NSYSU, Taiwan	rrieger@mail.nsysu.edu.tw

Agenda

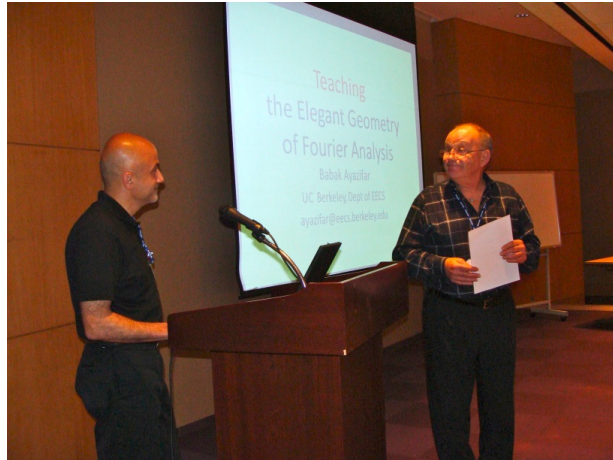
0. Self-Introductions, New Member Introductions
1. Review and approve the minutes of last TC meeting at ISCAS 2011 in Rio
2. Report on the past activities in the period May 2011-May 2012
Status Update of Action Items from last meeting
3. Status of the CASEO TC (TC Accomplishments, Projects, etc.)
 - ISCAS 2012 Special Sessions
 - ISCAS 2012 Tutorial Proposal accepted but canceled due to not enough attendees
Our plans for cancelled tutorials and for offering new ones??
 - Special Issues of IEEE Transactions on Education on CAS Education (2015?)
 - Concept Inventory for CAS (Tokunbo)
 - Committee on Common Model for Curriculum for CAS Basic subjects (Randy Geiger)
 - Apply for IEEE Funds for Special Workshop (Randy Geiger)
 - Collaborations with other IEEE-sponsored conferences (Babak)
CASS Plagiarism Committee (Need 2 members)
Other TCs to have Education Sub-committee/activities (Joos)??
Other News from BoG (Joos and Raija)
4. New CASEO TC Webpage <http://ieee-cas.org/community/technical-committees/caseo-tc>
5. Status and plans for further action points: short term/long term/adapt/responsible
6. Any other business

Minutes of the Meeting

Minutes of the 22 May 2012 CASEO TC Meeting, Seoul, S. Korea:

- Organize 2 or more Special Sessions on Education planned for ISCAS 2013 in Beijing: collaborate with other TCs to make this happen.
- Organize a Tutorial for ISCAS 2013 focused on CAS Education.
- Explore having a Plenary Speech at ISCAS 2013 on topic : Online Education? Who would be good speakers?
- Special Issue on IEEE Transactions on Education: CAS Education.
 - Proposal accepted for publication in 2015
 - IEEE Trans on Education has a long time frame and some members (e.g., Babak) felt that it might not be the route that yields the greatest benefit for the effort and wait time put in.
 - Suggestions to have a Special Issue of CAS Magazine (entire issue) on CAS Education. And have an ongoing section similar to the SP Magazine's Tips and Tricks section, focused on pedagogy.
- Organize Special CAS Workshop to discuss common curriculum model for CAS. Apply for funding from CAS Society. Funding requests are routed to CAS Society VP of Admin and Finance, Mario di Bernardo. Requests are due in Fall for events to take place in 2013. See website: <http://iee-cas.org/proposals-selected-for-funding-under-the-cass-outreach-initiative-20112012>
- Organize a panel or workshop on Education (Similar to what Richard Felder did at the DSP workshop in 2006 in Wyoming or does at his ASEE NETI (American Society for Engineering Education-National Effective Teaching Institute) Workshops). Or do this within the context of CASFest.
- We have been developing a CAS-sponsored Electric Circuits Concept Inventory (ECCI). These are multiple-choice exam designed to test core concepts. It is similar to the Signals and Systems Concept Inventory (SSCI). Volunteer team to continue work on developing this exam. List of volunteers: Tokunbo, Babak, Ljiljana, Arjuna, Malgozarta and Raija. Members are encouraged to find additional volunteers for this purpose.
- Education collaboration with other TCs: get members of each TC to come up with a core set of problems that can be translated to something understandable to lower- and upper-division undergraduate courses. (Magdy is leading this effort and can get members from each TC to mobilize their troops and start cross-TC collaborations.)
- Get involved with ICECS 2013 (December, in Cairo): Contact Magdy about Education contributions.
- Continue Randy Geiger's team's work *on a common model for curriculum for the basic CAS subjects in EE education*. It should appeal to the students, and both deal with the content and the process. Interesting experience can be gathered from various initiatives at UC Berkeley, MIT, Columbia Univ. A subcommittee of about 10-15 persons will work on this issue. Financial support from CASS will be requested for 2013 workshop. Committee members already committed to contribute: Randy Geiger (chair), Babak, Eduard, Martin, Yun He, Tokunbo, Joos. Yannis Tsvlidis will be requested to participate.
- Check ISCAS 2013 Call for Special Sessions, Call for Tutorials and Call for Papers. Deadlines are typically in Sept. 2012. Tracks expected include:
15.0 Education in Circuits and Systems

- 15.1 CAS Educational Methods and Instruction
- 15.2 CAS Educational Technology
- 15.3 CAS Educational and Professional Development Programs
- Enjoy these Pictures from ISCAS 2012



Introduction of Babak Ayazifar before presenting his paper at ISCAS 2012



Audience at a CASEO TC Special Session at ISCAS 2012 in Seoul, Korea.

CASEO TC VISION STATEMENT

The Circuits and Systems Education and Outreach Technical Committee (CASEO TC) focuses on the education and outreach of circuits and systems. The TC shall address the role, the process and the promotion of the education of CAS subjects in electrical engineering education and make initiatives to enhance its quality and attraction worldwide. Special attention is devoted to outreach initiatives that stimulate youngsters to CAS items worldwide, and to the social and ethical role of CAS related topics.