

Minutes of the Executive Committee Meeting of the Sensor Division of the ECS
Washington DC, 10/07/2007

Meeting called to order by Rangachary Mukundan at 8:05pm

In attendance:

Rangachary Mukundan, Gary Hunter, Jing Li, Michael Carter, Vadim Lvovich, Zoraida Aguilar, Katalin Voros,

1. The minutes from the last meeting in Chicago were approved.

2. Treasurer's Report:

Custodian account:

Date: Balance = \$56,235.79

Outstanding Achievement award account:

Date: Balance = \$4,459.28

IMCS 12 Sponsorship: \$ 3,000.00

Proceeding Volume: none

Meeting Abstracts: \$1,459.19

ECS transactions: \$ 131.10

3. Washington meeting activities:

a. 2 Symposiums: Primary (General Session, Sensor Arrays and multi-dimensional sensor systems)

b. 4 Symposiums: Co-sponsor (Electrochemical scanning probe microscopy: From theory to real world applications, Wide-bandgap semiconductor materials and devices 8, Nanoscale one dimensional electronic and photonic devices, Solid state ionic devices 5)

c. Sub committee meetings (Interface, Symposium planning and Individual membership)

d. Agenda changes:

Thus 8:20 (General Session), Abstract 1538: Cancelled

4. Executive Committee membership

Have requested to add the following as Members at Large

1. Cindy-Bruckner Lea

2. Joe Stetter

3. Peter Hesketh

4. Tony Rico

Will be added to the ballot and elected at the Hawaii meeting along with the officers

E-mail was used to:

- Inform people of the Exec. Comm. Meeting on Sunday and e-mail meeting minutes.
- Discussion of travel grants

5. Committees/Reports

- Interface magazine: Peter Hesketh. Gary Hunter attended the Interface meeting: Nothing came up for action by the Sensor Division
Trouble with being behind the schedules for articles for publication in Interface.

Board meeting report from Mukund: every member gets complete benefits from the journals. Need to pay for the Transactions. This changed such that a member can only get the current and not the archived copies. This is to increase revenue. ECS evaluating the impact factor of our journals.

- Individual Membership Committee. Jing Li will serve as division representative at this meeting. Tuesday (10:00); Kalorama, Terrace level Joe Stetter will seat on this for this meeting.

Zoraida needs to start sitting in one of the below in Hawaii.

- Travel Grants: Ying-Lan Chang will continue to be the point of contact.
- Nominating Committee: Gary (Chair), Peter, Joe agreed to serve
- New Technology Committee (Jing Li, represent Peter for request of money for Hawaii tutorials (Mon 3:30) Peter is sick and will not attend. Mukund will attend.
- Symposium subcommittee (Mukund and Jing Li): Tuesday (7:00); Cabinet, Concourse level
- Solid State Division Chairs meeting (Mukund): Monday (16:00); Edison, Terrace level
- Outstanding Achievement Award: Representative needed (Mike Carter)
To be presented in Hawaii (Oct, 2008). Mukund will send out the email for a call

for the nominations at end of November.

Call for nominations: August of 2007 (Has gone out with Zoraida as contact)

Nomination Deadline: January 1st 2008

Nominate Committee: January 1st 2007 (5 members)

1. Alex
2. Zoraida Aguilar
3. Mike Carter
4. Gary Hunter
5. Bill Buttner
6. Mira Josowicz
7. Peter Hesketh

6. Funding Requests

- Phoenix (Alex, 2 approved) and Hawaii meetings

- b) Funding for Art Janata for Spring, 2009- SF. Honorary symposium approved for 2 paid speakers. 5 speakers for 2.5 days symposium, request to pay the registration for all 5. Motion tabled. Will discuss this next time. Invite people to give a talk and see if they are willing to pay the registration. Fund only those who cannot afford to pay.

7. Financial issues

- Board to discuss future of society journal/membership. Have hired an external consulting firm. Directions to take to increase revenue. Cutting membership benefit of automatic journal subscription. Increasing impact factor of journals. Increasing institutional subscribers etc.
- We need to examine our finances. (Mike). How are ECS transactions really doing? Symposia are key! Discuss outside sponsorship of symposia. More Industry involvement (Zoraida, Vladim, Mike)?
Mukund mentioned about awards to students that we can use to entice students to our symposium.

Symposia on Solar industry....green stuff...where industry can be involved...

- Discuss travel grants. About \$200 per student up to 12 per meeting. Increase the number of grants up to 15 per year. Keep the requirements the same (accepted poster or talk in one of the division's symposia: primary or secondary?).
- For invited speakers: Don't offer registration automatically. Invite speakers and provide free registration if a specific request comes in. If needs be, let the symposium organizer decide whether to offer it as part of the invitation.
- Anything else we can do to attract members? Institute awards, banquets, more symposia support etc.

Our pitch and niche for our division to attract more people. Consider the focus of the Journal of Electrochemical Society. It is the flagship of the society and must represent the research areas of the society.

It was discussed to assign our own assistant editor for the JECS. They should not reject an article based on content. They should consult with Sensor Division about articles as such. The JECS charge for submitting an article which causes people to submit to other journals that do not charge except for reprints.

If there are a group of people who would like to head a symposium, like Impedance Spectroscopy, for example, we will sponsor. We can

put together a transactions volume that will come out before/during the meeting.

8. Other Issues:
 - a. Newsletter. Mukund will take the template, put all the information in it, and will get it out. Mukund will try to get one out with Gary's help (January 08). Any suggestions?
 - b. Short Course? Peter and Gary will try to put one together. Chemical Sensors in general happening in Atlanta. Peter and Gary are presenting at Atlanta. Discuss at the Washington meeting.
9. Future Symposia Planning:

213th Phoenix, Arizona (Spring 2008)
CFP have been submitted

- **Sensor actuators and Microsystems** General Session
(Sensor)
Organizers: G. Hunter, R. Mukundan, S. Bhansali, Michael Carter
- **Acoustic Wave-Based Sensors & Sensor Systems**
(Sensor Division)
Organizers: V. Bhethanabotla, R. Hillman, R. Cernosek, J. Grate, D. Malocha
- **Electrochemical Nano/Biosensors**
(Sensor, Organic and Biological Electrochemistry)
Organizers: A. Simonian, Z. Aguilar, P. Hesketh

214th Fall 2008 Hawaii:

Topics due ASAP (To be discussed at Tuesday meeting) submit to stephanie.plassa@electrochem.org AND paul.urso@electrochem.org
CFP due August 31, 2007

- **Tutorials in NanoTechnology Focus on Sensors** (P. J. Hesketh, Massoud, Vanysek request from Jap side co-organizers). To submit organizers and CFPs. Invite 4 or more speakers to talk on this. A book will be published on this tutorial.
- **Microfabricated Systems and MEMS VIII** (P. J. Hesketh, J. L. Davidson, J. Li, C. Roper, S. Shoji, Ingrid Fritsch). To submit
- **Chemical Sensors VIII: Chemical and Biological Sensors and Analytical Systems** (R. Mukundan, G. Hunter, C. Bruckner-Lea, F. Mizutani, N. Miura, Y. Shimizu) add Alex and Mike Carter.
Has been submitted from the Japanese side.
- **Co-sponsor**
 - Solid State Ionic Devices 6 – Nano Ionics

- ZnO based thin film, nano-wires and nano-belts for photonic and electronic devices and sensors – F. Ren, L-C. Chen, S.P. Lau, A. Waag, Z. L. Wang
- Biological Nanostructures, materials and applications – Demirel, Moran Lopez, De Long

215th Spring 2009, San Francisco

Topics due ASAP (Calls are due after the meeting)

stephanie.plassa@electrochem.org AND paul.urso@electrochem.org

- 35 Years of Chemical Sensors (Sensor)
 - Honorary Session for Art Janata (Explore PV), Jing Li, Cindy Brucker-Lea
 - General Session (Gary, Mukund, Zoraida, Carter)
 - Nanoporous Materials: Chemistry and Applications co sponsor with High Temperature Materials
 - Organizer: T. Armstrong, M. Allendorf, and Gary Hunter
 - Sensor Applications: Food Safety, Agricultural and Environmental sensors (A. Simonian , Bill Buttner, G. Hunter, Zoraida, Shekar).
 - Cantilever sensors, biomedical applications: (Thomas Thundat, Christine Kranz, Larry Nagahara). May be in-conflict with Dielectric Division if focused in biomedical applications-Mukund should verify and talk with Thomas Thundat. May combine these...

216th Fall 2009, Vienna, Austria

Discussions to be started on Tuesday

- Smart sensing and sensor networks (Gary Hunter, Jing Li, Bill Buttner)
- General Session (Mukund, Peter, Zoraida, Mira)
- InVivo Biomedical Sensors/Micro Total Analytical Systems (H.J. Cho, UCF). Two other bio based symposiums. One by Dielectrics and the other by Organics. Will email Alex to find out more before submit
- [Biological Nanostructures, Materials, and Applications](#) (M. C. Demirel, H. C. De Long, H. C. De Long, J. L. Moran Lopez and J. Rusling). Was in Cancun. Done by OBE
- [New Bioanalytical and Biomedical Methods](#) (J. Rusling, G. Brisard, C. Bruckner-Lea, A. Simonian and I. Taniguchi). Chicago Meeting by us and OBE
- Impedance based sensors-more on technique symposium-Vladin, Peter Vanysek, Try to get more synergy on nano/bio sensors. Co-ordinate with OBE. Has to be a spring meeting!
Remove all biomedical from spring and leave in fall; nano be placed in spring with the OBE.

217th Spring 2010, Vancouver, Canada

- Sensors for Marine and Industrial Applications----Zoraida, Alex
 - Industries need sensors for effluents that are discharged into natural surface waters. Check from Amir what kind of value the industry get for their sponsorship.
- General Session
- Nanobio with OBE (Alex, Chritine will be emailed by Mukund)

218th Fall 2010, Las Vegas

- **Microfabricated Systems and MEMS VIII** (P. J. Hesketh, J. L. Davidson, J. Li, C. Roper, S. Shoji, Ingrid Fritsch). To submit
- **Chemical Sensors VIII: Chemical and Biological Sensors and Analytical Systems** (R. Mukundan, G. Hunter, C. Bruckner-Lea, F. Mizutani, N. Miura, Y. Shimizu) add Alex and Mike Carter.

Meeting adjourned 9:30 pm