

Minutes of the Executive Committee Meeting of the Sensor Division of the ECS
Chicago, Illinois, 05/06/2007

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

In attendance:

Rangachary Mukundan, Joe Stetter, Gary Hunter, Jing Li, Mike Carter, Bill Buttner, Peter Hesketh, Zoraida Aguilar, Alex Simonian, Mira Josowicz, Katalin Voros, Bill Buttner

1. The minutes from the last meeting in Cancun were approved.
2. Treasurer's Report:
 - Custodian account:
Date : Balance = \$58,288.88
 - Outstanding Achievement award account:
Date : Balance = \$4,329.28
3. Chicago meeting activities:
 - a. 3 Symposiums (General Session, Nanoporous Materials, Sensors based on Nanotechnology 3)
 - b. Sub committee meetings (Interface, Symposium planning and Individual membership)
 - c. Agenda changes:
 - Tues 15:40 (General Session), Abstract 1258 : Poster
 - Tues: 16:20 (General Session), Abstract 1260 : Poster
4. EC membership
 1. Mukundan, Rangachary
 2. Li, Jing
 3. Aguilar, Zoraida
 4. Carter, Mike
 5. Akbar Sheikh
 6. Bansali, Shekhar
 7. Bhethanabotla, Venkat
 8. Chang, Ying-Lan
 9. Grate, Jay
 10. Hillman, A.
 11. Ishihara, Tatsumi
 12. Josowicz, Mira
 13. Kale, Girish,
 14. Kranz, Christine

15. Lvovich, Vadim
16. Makel, Darby
17. Sailor, Michael
18. Simonian, Aleksandr
19. Tabib-Azar, Massood
20. Thundat, Thomas
21. Gary Hunter (Past Chair)
22. Peter Hesketh (Division Advisor)

Need to add the following to Members at Large

1. Cindy-Bruckner Lea
2. Joe Stetter
3. Tony Rico (Find out about Art Janata)

E-mail list will be used to:

- Inform people of the Exec. Comm. Meeting on Sunday.
- Send meeting minutes.
- Include in that mail anything of relevance taking place at the meeting.
- Seek approval of things that need to be taken care of ASAP.

5. Committees/Reports

- a. Interface magazine: Peter Hesketh. Gary Hunter substituting for Peter at this meeting.
- b. Individual Membership Committee. Jing Li will serve as division representative starting at next meeting
- c. Travel Grants: Ying-Lan Chang will continue to be the point of contact
- d. Nominating Committee: Gary (Chair), Peter, Joe agreed to serve
- e. New Technology Committee (Jing Li, Mukund (Mon 3:30)
- f. Symposium planning (Mukund and Jing Li)
- g. Outstanding Achievement Award: Representative needed (Past : Zoraida Aguilar)

To be presented in Hawaii (Oct, 2008).

Call for nominations: August of 2007

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

- a) Co-sponsorship of IMCS-12. Request (from Sheik Akbar) for up to \$3000. Gary put a motion to fund a maximum of \$3000. Jing and Peter second, Motion carried.
 1. ½ page ad in the Interface: \$394.5 (b/w); \$612 (2 color) and \$830 (full color). Mailing list (Flyer \$50)
 2. Sponsor/co-sponsor a wine/cheese break
 3. Provide travel support for students
 4. Provide support for keynote speakers
 5. Provide e-mail list
 - b) “Breath Analysis Summit-IABR 2007”. Gary asked for motion for flyer to be sent to Division mailing list. Alex seconded. Motion carried.
 - c) Funding for Art Janata for Spring, 2009- SF. 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.
 - d) Washington:, Peter Hesketh requested 1 registration for J3 Sensor Array and Multidimensional Sensor Systems; motion by Mukund, seconded by Jing, Motion carried.
 - e) Arizona, Alex (nano/bio), support for 2 speakers, approved
 - f) Washington [Wide Bandgap Semiconductor Materials and Devices 8.](#) (E. B. Stokes, J. Bardwell, R. C. Fitch, J. Han, D. W. Merfeld and P. H. Shen). 2 registrations (has PV). Motion approved.
7. Other Issues:
- a. Newsletter.

Why: A way for the Executive Committee to communicate with the Division members and keep them informed. Recruiting tool for symposium organizers/officers/members-at-large.

How: Just an e-mail with a pdf document to the entire division.

Frequency: Once a year after the Fall meeting. After fall meeting write a news letter (Gary and Mukund)
 - b. Short Course? Peter and Gary will try to put one together. Discuss at the Washington meeting.

8. Future Symposia Planning:

212th Washington (Fall 2007)

Abstracts due May 18th

- **J1 – Impedance and Capacitive Based Sensors**
Sensors / Industrial Electrolysis & Electrochemical Engineering / Physical and Analytical Electrochemistry.
Organizers: V. Lvovich, P. Vanysek, and M. E. Orazem)
- **J3 – Sensor, Actuators and Microsystems General Session**

Sensor / Physical and Analytical Electrochemistry / Dielectric Science and Technology

Organizers: R. Mukundan, S. Bhansali, and M. T. Carter (Gary's name got left out)

- **J3 – Sensor Array and Multi-Dimensional Sensor Systems**

Sensor

Organizers: J. R. Stetter, P. J. Hesketh, and Z. Aguilar

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
 - *Exploiting Magnets and magnetic fields in electrochemical systems and devices. (Zoraida).*
 - *Microfluidics: (Peter will be sensor contact).*

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.
- **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 (Discussion to be started at Tuesday meeting) submit to
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)
- Sensor Applications: Food Safety, Agricultural and Environmental sensors (A. Simonian, Bill Buttner, G. Hunter, Zoraida, Shekar).
- Cantilever sensors (Thomas Thundat, Christine Kranz).

216th Fall 2009, Vienna, Austria

- Robotic, wireless, and remote Sensing and sensor networks (Jing Li, G. Hunter, 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.
- [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.
[New Bioanalytical and Biomedical Methods](#) (J. Rusling, G. Brisard, C. Bruckner-Lea, A. Simonian and I. Taniguchi). This Meeting

Try to get more synergy on nano/bio sensors.

217th Spring 2010, Vancouver, Canada

- Sensors for Marine and Industrial Applications
- **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 10:15 pm