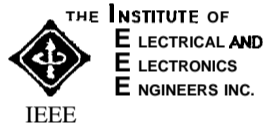


Chapter Activities

- Chapter Chairmen Meetings:
 1. IMS in Denver (June 1997)
 2. EuMC in Jerusalem (September 1997)
 3. IEEE Division I and IV Region 8 in Stuttgart (September 1997)

Samir M. El-Ghazaly

September 97 AdCom Meeting



- Chapter Records (Hector J. De Los Santos)
 - 92 MTT Chapters.
 - Updating the records is a concern.
 - 50 meeting reports received between 1/1 and 1/18, 97.
 - How to increase activity reporting?

Samir M. El-Ghazaly

September 97 AdCom Meeting

1



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- Chapter Officers Handbook (Edward W. Ray)
- Chapter Communications (E. El-Sharawy)
 - The *TRANSCEIVER* was revived
 - New issue being assembled.
 - Request to increase reporting will be included.

Samir M. El-Ghazaly

September 97 AdCom Meeting



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- Chapter Funding
 - J. Sevic (All Chapters except Region 8)
 - **\$5000** for Chapter-Chairman Meeting in Denver.
 - Other funding requests to be processed.
 - A. Omer (Region 8 only)
 - For smaller load and more prompt response.

Samir M. El-Ghazaly

September 97 AdCom Meeting

18 September, 1997

To: MTT-S AdCom
From: Hector J. De Los Santos

Subject: MTT-S Chapter Records Report and Issues

1) Issue: While Chapter Chairmen hold Chapter Records responsible for keeping up-to-date the "S-MTT Chapter Chairmen" list appearing on the inside cover of the MTT Transactions, and indeed, they do provide us with the latest information regarding elected Chapter Officers, we do not determine who's name ends up appearing in the above list. In some cases a Chapter Chairman starts and terminates his term without ever seeing his name appear in the above list. This, naturally, becomes the source of irritation to them and of frustration to us, because we provide you with Chapter Chairmen lists at least twice a year. We hereby request the pertinent authorities of AdCom to look into how this situation might be remedied so we, as a Society, may have happier volunteers.

2) Statistics of meetings reported between from 1/1/96 to 9/18/97

The statistics indicate that in the time frame of 1/1/97 through 9/18/97, 50 meeting reports were received. These reports consist of meetings held in 1996/97. The total number of MTT chapters is 92.

3) Corrections to Chapter Chairman's List

Chapter: SWITZERLAND(MTT)

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Chapter: FINLAND (MTT/AP/ED)

Chairperson:

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Helsinki University of Technology

Vice-Chairperson:

Jussi Tuovinen

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Respectfully submitted,

Hctor J. De Los Santos
MTT-S Chapter Records



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ENGINEERS INC.

TRANSCELVER

IEEE MTT-Society Chapter Activities Newsletter

Badawy Elsharawy, Editor
Arizona State University

Vol.4

June 1997

No.1

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TRAVEL FUNDS AVAILABLE FOR ATTENDING THE CHAPTER CHAIRMAN MEETING

As we did in the previous years, the MTT Society will support Chapter Chairpersons traveling to the International Microwave Symposium and attending the Chapter Chairman Meeting, to be held on Tuesday June 10, 97 in Denver. The amount of funding is limited to a maximum of \$700, except for chairpersons from Eastern Europe and former Soviet Union whose limit is set at \$1000. Due to the limited time, we will not require application and approval prior to travel. If you intend to use this funding, just make sure that you meet the conditions. **YOU DO NOT NEED TO APPLY** During the Chapter Chairman Meeting we will process the paper work. Please note that this award is secondary to all other funding sources you obtain for this trip, which means that the MTT society will refund you the difference between the actual expenses for the trip and all the funds you obtain from other sources. To benefit from this travel award, the following two conditions must be met.

1. This award is given only once per IEEE MTT Chapter Committee member. If you utilized this benefit before, you are not eligible.
2. Your local chapter must be active and reporting its activities to the MTT Society. If they have not done so yet, now is a good time to do it.

The following points explain the mechanics of obtaining this award.

1. You must attend the Chapter Chairman Meeting, Chairman Meeting, which will be held

on Tuesday evening during the Microwave Symposium. Attending the symposium itself is not enough. During the meeting you will be given a form to request the exact amount of your refund.

2. As it was mentioned above this funding is secondary. Plan on using the following formula when you ask for your refund.

The refund = actual trip expenses - funds from all other sources
The refund cannot exceed \$700 (or \$1000 when applicable), but it can be less if you have adequate funding.

3. The refund will be sent directly from the IEEE office in N.J. to your LOCAL CHAPTER. Your local chapter will reimburse you. This process takes about 6 to 8 weeks after the MTT Symposium. If you need your money sooner, we suggest you contact your local chapter. They may be able to advance you with the money. This is, however, a separate agreement between you and your chapter. I apologize, in advance, for not being able to provide any further assistance in this matter. Once again, we appreciate your interest in attending the Chapter-Chairman meeting, and we look forward to seeing all of you there. If you have any further questions, please feel free to contact me.

Samir El-Ghazaly
IEEE MTT-s Chapter Funding
Coordinator

Chapters Reports

Waves & Devices Chapter, Phoenix

Waves and devices chapter includes six IEEE societies; MTT, AP, EDS, LEOS, EMC, UFFCS. We had a very successful year. The following technical seminars were organized by the IEEE Waves & Devices Society during the last five months, from January to May, 1997.

- 1- Antennas for Mobile Communication Systems - Dr. Constantine Balanis
This seminar addressed the radiation characteristics of candidate antennas for mobile communications, such as monopole and loop antenna, mounted on a conducting box with and without dielectric coating.
- 2- Human Skin Temperature Response to Absorbed Thermal Power - Dr. Jim Griffith. This seminar presented a study that was done concerning skin temperature increases caused by thermal energy transfer from an engineered device and into the skin.
- 3- Emissive Displays - Dr. Carlo Infante
This seminar reviewed the aspects of different display technologies such as Electra-Luminescence, Plasma Panels, Field Emitters as well as Cathode Ray Tubes.
- 4- The Search for the Perfect Oscillator, Dr. Thomas Parker. This talk presented a comparison between different kinds of oscillators from high Q resonator technologies including bulk and surface wave devices, to dielectric resonators,

to superconducting cavities and atomic resonances.

5- High Voltage Semiconductor SiC - Dr. Karen Moore

This talk addressed high voltage silicon carbide devices and their potential for high voltage and high power applications.

6- Coherent, Adaptive, Ultra-Wideband Radar - Dr. Thomas Tice

This seminar presented experimental results of a prototype ultra-wideband Radar, its characteristics and advantages over existent Radars.

7- Electromagnetic Computational Methods - Dr. James Aberle

This seminar presented computer numerical methods to solve electromagnetic problems in electrical engineering.

8- Antennas for Wireless Communication Systems - Dr. Jack Winters.

This talk discussed the application of adaptive antenna arrays in wireless communication systems, with emphasis on the North American digital mobile radio standard IS-136. There are several technical meetings, planned for the fall that covers a broad spectrum of topics including wireless, RF and semiconductor technology. We hope to report about these activities in the near future.

Gamal Hegazi
Waves & Devices Chapter, Phoenix
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(602) 6752602
email: p27514@gegpo1 O.geg.mot.com

Distinguished lecturer Program

Please make use of the Distinguished Lecturer Program available to MTT-local chapter. For more information please contact

H. M. Harris

Georgia Tech Research Inst.

(404) 849-0185

mike.harris@gtri.gatech.edu

Conferences

International Microwave Symposium Comes to Denver

The IEEE Microwave Theory and Techniques Society (MTT-S) brings its annual international conference and exhibition to Denver during the week of June 8-13. This conference has rapidly grown over the past several years as the commercial demand for broadband and high-frequency technology has burgeoned. The conference now covers a broad spectrum of research and engineering activities, encompassing everything from radio-frequency telecommunication to microwave subscriber television and millimeter wave collision avoidance systems. During the 1996 International Microwave Symposium (IMS) in San Francisco, about 2,500 people registered for the symposium and 7,500 attendees registered for the exhibit, making it the largest MTT conference in history. Because the interest in high-frequency

technology is increasing, and because Denver is a major telecommunication and space communication hub as well as a center of current global media attention, this year's symposium is proving to be an exciting and significant IEEE event.

The MTT society uses local steering committees to organize their annual symposia. This year more than 40 local members are working diligently as we close in on the Denver conference.

The '97 Steering Committee is responsible for arranging all aspects of the technical program, convention center space and meal logistics, and social and guest activities. The 1997

IMS offers a great opportunity for local IEEE members and their organizations to make an important contribution to one of IEEE's larger technical conferences.

With all these excellent programs and the attention they will bring to Denver, hosting this major conference is something all local IEEE members can be proud of. For more information, please visit our web site at:

www.boulder.nist.gov/ims.

Upcoming MTT Related Conferences

27th European Microwave Conference, Jerusalem, Israel, September 8-12, 1997

IEEE AP-S International Symposium and URSI North American Radio Science Meeting, Montreal, Canada July 13-18, 1997

**PIERS 1997
Cambridge, MA, USA
July 7-11, 1997**

**Please send comments to
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Tempe, AZ 85287-7206
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