

The Georgian Chapter Activities in 2004

1. The Membership Development

The total membership of the Georgian Chapter was counted the 18 IEEE members in 2004. The EDS subsidized the 10 members with its MFS Program, the rest of them were self payers.

2. Technical and Organizational Activities

During this period five seminars have been held in Georgian Chapter (see attached forms L31). Also five meetings have been held on which the following questions were discussed and the following decisions were performed:

- Reelections of Chapter Officers have been performed on January 2004. The Chapter Chair Prof. R. Zaridze, The Chapter Treasurer Dr. D. Karkashadze, Chapter vice Chair Dr. Z. Tchakhnakia and Secretary Dr. N. Khuchua were re-elected for next term.
- The preparation papers to the Symposium “Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory”, which had to hold in Lviv, Ukraine on September 23-25, 2003, have been discussed.
- The question of candidatures for the participation in this Symposium has been considered. It has been decided to send the Chapter members Dr. K. Tavzarashvili and Dr. G. Ghvedashvili at The Symposium “Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory”.
- The Workshop/Seminar of “Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory” has been held on September 23-25, 2003.
- Dr. K. Tavzarashvili and Dr. G. Ghvedashvili had attended the Symposium in Lviv and presented there their presentations.
- The results from 2003 IEEE AP-S International Symposium and AP-S Chapter Chairs Meeting, in Ohio had been acquainted and afterwards the Chapter’s further activity was discussed.
- Results from Symposium “Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory” have been discussed.
- Dr. K. Tavzarashvili had attended the MTT-S Chapter Chairs' Meeting Reg.8 in Munich and presented Georgian Chapter activity report.
- The rotation of IEEE Georgian Chapter members for 2004 year had been discussed and was held. 10 members were elected to support by the new MFS Program and question of the participating in the annual EDS Chapter Subsidy Program were discussed.
- Dr. David Karkashadze and Prof. Faik Bogdanov had attended “Progress in Electromagnetics Research Symposium“, PIERS 2004, which was held in Pisa, Italy on 28-31 March, 2004.
- A meeting on preparation of Georgian Chapter’s activity report for 2004 MTT-S Chapter Chairs' Meeting Reg.8 has been held on August 2004.
- The question of a candidature for the participation in this Meeting has been considered. It has been decided to send the Chapter member Dr. D. Kakulia at MTT-S Chapter Chairs' Meeting Reg.8 in Amsterdam. Dr. David Kakulia is going to attend the meeting in Amsterdam and present Georgian Chapter activity report.

- The preparation of the Symposium “Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory”, which will held on October 11-14, 2004 Tbilisi, Georgia, has been discussed.
- Prof. Revaz Zaridze has attended the East-West Workshop: Advanced Techniques in Electromagnetic which was held in Warszawa, Poland on May 20 –21, 2004 and 2004 IEEE AP-S International Symposium, which has been held on June 20-26, 2004 in Monterey, California.
- The results from workshop and symposium mentioned above had been acquainted and discussed.
- The rotation of IEEE Georgian Chapter members for 2005 year had been discussed and was held. 6 members were elected to support by the MFS Program and question of the participating in the annual EDS Chapter Subsidy Program were discussed.

The Georgian Chapter and its Management make efforts to disseminate information on the scope of the IEEE activity, deliver seminars and lectures devoted to scientific achievements in various field of technology, distribute periodicals, exerting thereby feasible assistance to Georgian scientific institutions. This Chapter activity gives Georgian scientists an opportunity of preparing projects to participate in various scientific international programs and thereby to integrate into the international scientific community. For example, today several tens of scientific subjects have been approved and funded under the auspices of ISTC, CRDF/GRDF, NATO Science for Peace Program, Eurocommission Programs.

3. Publicity Activities

Chapter Web Site is available for the interested persons, please refer to: <http://ewh.ieee.org/r8/ukraine/georgian>. The information about Chapter officers, the supporting scientific conferences, and recent Chapter activities is available in the Web Site.

4. The Supporting Conference

The VIIth International Seminar/Workshop DIPED-2004 was organized by our Chapter together with the IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter. It was held on October 11-14, 2004, at Tbilisi State University, Tbilisi, Georgia. The Electron Devices Society provided technical co-sponsorship of the DIPED-2004; the Seminar Proceedings were included in the IEEE Book Broker Program. The MTT, AP, CPMT, SSC Societies, and Section Ukraine were among the supporting IEEE institutions.

The 32 papers from China, Georgia, Germany, India, Iran, Israel, Mexico, Russia, USA, and Ukraine were presented at the Seminar in the plenary and 5 oral sessions:

- Scattering in Non-homogeneous Media
- MAS and MoM Approach
- EMC and Communication Systems
- Antennas and Waveguide Systems
- Acoustics and Backward Scattering

Young scientists, students, and Ph.D. students participated in the DIPED as well. The Organizing Committee traditionally awards the young speakers for the best papers. This year three young speakers were recognized for their presentations. They were: Giorgi Ghvedashvili, Tbilisi State University, Tbilisi, Georgia (Experimental and Numerical Investigation of Pear-shaped Antenna), and Myron Voytko, Physico-Mechanical Institute,

NASU, Lviv, Ukraine (Wiener-Hopf analysis of the elastic wave diffraction by the finite crack located at the plane interface between the elastic isotropic slab and half-space medium).

For more information, please, visit the web site: <http://www.ewh.ieee.org/soc/cpmt/ukraine/>

5. The 2004 Chapter Budget

All financial support from EDS in amount of 558\$ was transferred to cover membership/publications of 10 members, which were supported by MFSP.

INCOMES:	US Dollars
2004 AP-S financial support	500
2004 ED-S financial support	558
2004 IEEE Section rebate	200
Total:	1258

EXPENSES:

Organizing expenses for Chapter's Seminar/Workshop DIPED-2004	200
Awards of the best students presentations on DIPED-2004	200
The subsidy of the technical meetings organization	100
Preparing and Publishing the Proceedings of DIPED-2004	200
Support of the membership/publications of Chapter members	558
Total:	1258

David Karkashadze
Chapter Secretary/Treasurer

6. The Planed Activities for 2005

- The Chapter membership will be increased up to 19 IEEE Members.
- The 5 technical meetings with the scientific subjects of interest to the Chapter's members will be organized.
- Xth International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED-2005) will be organized by IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter together with the MTT/ED/AP Republic of Georgia Chapter at the Institute of Applied Problems of Mechanics and Mathematics on September 12-15, 2005.