

# ANNUAL REPORT FOR YEAR 2001 IEEE AP-S SOCIETY

Chapter: Georgian \_\_\_\_\_

Section: Ukraine \_\_\_\_\_

## 1. BASIC INFORMATION

A. Societies that your chapter is joint with, if any: AP-S, EDS, MTT, EMC

B. Chapter Web address: <http://lae.ictsu.tsu.edu.ge>, <http://rpc.gol.ge>

C. Officers for 2001 (please fill the table below):

	Chair	Vice Chair	Secretary	Treasurer
Name	Prof. Revaz Zaridze	Dr. Zaur Tchakhnakia	Dr. Nina Khuchua	Prof. David Karkashadze
Address	3 Chavchavadze Ave., TSU, Laboratory of Applied Electrodynamics (LAE), 380028, Tbilisi, Georgia	13 Chavchavadze Ave., TSU, RPC "Electron Technology", 380079, Tbilisi, Georgia	13 Chavchavadze Ave., TSU, RPC "Electron Technology", 380079, Tbilisi, Georgia	3 Chavchavadze Ave., TSU, Laboratory of Applied Electrodynamics, 380028, Tbilisi, Georgia
Phone	+ 995 32 29-08-21	+ 995 32 22-06-36	+ 995 32 22-06-26	+ 995 32 29-08-21
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## 2. FINANCIAL INFORMATION

A. Chapter funds (US \$) on 1 January 2001: \$ 777

B. Income (US \$) during 2001:

1. Support from AP-S\*: ---

2. Support from other IEEE Societies: \$777 from EDS, MTT

3. IEEE Section support: ---

4. Other support (specify): ---

TOTAL INCOME: \$777

\* Include annual support, special-project support, travel grant support, Best Chapter Award support, and any other support from AP-S.

C. Expenditures (US \$) during 2001: \$777

D. End of year balance (US \$) as of 31 December 2001: 0

**P.S.** All financial support \$777 we are using for membership and publications.

### 3. CHAPTER ACITVITIES DESCRIPTION

(This information is used in the selection of the Best Chapter Award).

Both the IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter and MTT/ED/AP/EMC Republic of Georgia Chapter annually in autumn organize the International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED), which is held in Ukraine or in Georgia. <http://www.ewh.ieee.org/soc/cpmt/ukraine>

Dr. Z. Tchakhnakia with his colleagues is going to hold the International workshop with representatives from Fraunhofer-Institut für Zerstörungsfreie Prüfverfahren (Germany) and Fraunhofer-Institut für Angewandte Festkörperphysik (IAF) on development X-ray of sensors and microwave sensors (Tbilisi, Georgia, March 11-14 2002).

Dr. N.Khuchua with her colleagues is going to hold the International workshop with representatives from Institute of Communications and Computer Systems (ICCS) of the National Technical University of Athens (Athens, Greece), Institute of Electronic Structures and Lasers, Foundation of Research and Technology Hellas (FORTH) (Iraklion, Greece) and Fraunhofer-Institut für Angewandte Festkörperphysik (IAF) on selection and manufacturing III-V of heterostructures for development of special IC with operational frequencies 5-6 GHz (Iraklion, Greece, May, 2002).

#### 3.1 Summary Information for 2001

##### A. Number of technical meetings (in which a technical presentation is made)

1. Presentations from student members of your chapter: No
2. Presentations from non-student members of your chapter: Yes  
(A member of your chapter is one who belongs to the AP-S Society and who lives within your Section.)
3. Presentations from outside speakers: No  
(This includes speakers from outside your chapter. Do not include IEEE Distinguished Lecturers.)
4. Presentations from IEEE Distinguished Lecturers: No

TOTAL numbers of technical meetings: 3

**B. Average total attendance at the technical meetings:** 58  
(Average over all of the technical meetings held during the year.)

**C. Number of non-technical (organizational) meetings held:** 2

**D. Number of workshops, short courses, or conferences organized or co-organized by your chapter:** 1 - DIPED

### 3.2 Technical Meeting Information for 2001 (use additional pages if necessary)

Note: For “Category”, please use the following:

S: speaker is a student member of the chapter

M: speaker is a non-student member of the chapter

O: speaker is from outside the chapter (but do not include IEEE Distinguished Lecturers)

D: speaker is an IEEE Distinguished Lecturer.

	Title of Presentation/Name of Speaker	Attendance			Category
		AP-S, MTT	Other	Total	
1	Scientific and technical information in the field of III-V semiconductor technology / Dr. Nina Khuchua	6	14	20	M
2	Information about 2001 IEEE AP-S International Symposium and USNC/USRI National Radio Science Meeting / Prof. Revaz Zaridze	6	15	21	M
3	Information concerning Progress in Electromagnetics Research Symposium (PIERS 2001) / Prof. Faik Bogdanov	5	12	17	M
4					
5					
6					
7					
8					
9					
10					

### **3.3 Summary of Workshops, Short Courses, and Conferences for 2001**

Include below a list of each workshop, short course, or conference that was organized or co-organized by your chapter. Include the title of the event, the dates of the event, a description of the event, and an indication of the level of involvement of your chapter.

VI<sup>th</sup> International Seminar/Workshop Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory DIPED – 2001.  
September 18-20, 2001

#### **Suggested Topics**

1. Propagation, diffraction and scattering of waves on limited or unlimited objects in homogeneous and non-homogeneous media.
2. Synthesis of the radiating systems and field transformers.
3. Restoring the shape of radiating and scattering bodies.

Organizing Committee Co-Chairman: Prof. Revaz S. Zaridze

Web address: <http://www.ewh.ieee.org/soc/cpmt/ukraine>

### **3.4 Special Projects**

Give a description of any special projects that your chapter participated in during the year, and indicate any funding that was obtained from AP-S or other sources.

No special Projects.

#### 4. DESCRIPTION OF OTHER ACTIVITIES

(This information is used in the selection of the Best Chapter Award)

##### 4.1 Are there any ways in which your chapter has improved over last year (please limit to one page)?

Possibilities include increased attendance, number of meetings, level of activity, etc.

The number of meetings and possibilities of attendance conferences was increased.

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1. Prof. Revaz Zaridze attended the 2001 IEEE Antenna & Propagation Society International Symposium, which was held on July 8-13, 2001 in Boston, Massachusetts USA. <http://www.ieeeaps.org/2001APSURSI>
  2. Prof. Faik Bogdanov attended to the Progress in Electromagnetics Research Symposium (PIERS 2001), which was held on July 18-22, 2001 in Osaka, Japan. <http://www/piers.org>
  3. In summer 2001 Prof. Revaz Zaridze was invited by Prof. James L. Drewniak (EMC Laboratory) to University of Missouri-Rolla where he had presented the recent results concerning antenna, developed in LAE, TSU in respect to EMC.
  4. Associated Professor Kakhaber Tavzarashvili and Giorgi Ghvedashvili (Ph.D.) sent abstracts to All Russian Scientific and Technical Conference “Diffraction and Propagation of Electromagnetic Waves“
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##### 4.2. What were your unique or innovative chapter activities (please limit to one page)?

Some possibilities that you might want to include are:

- Collaboration with other IEEE societies and chapters
- Student involvement and new member recruitment
- Interaction with industry or the community

Collaboration with MTT/ED/AP/CPMT/SSC West Ukraine Chapter. Annually organize the International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED), which is held in Ukraine or in Georgia.

Involving students and recruitment new members

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