

ANNUAL REPORT FOR YEAR 2013

IEEE AP-S SOCIETY

Chapter Name: IEEE AP-S Tainan Chapter

1. BASIC INFORMATION

- A. Section Name: IEEE Tainan Section
 B. IEEE Region Number: R10
 C. Societies that your chapter is joint with, if any: NIL
 D. Chapter Web address, if any: <http://ewh.ieee.org/r10/tainan/ap/index.html>
 E. Officers for 2013 (please fill in the table below):

	Chair	Vice Chair	Vice Chair
Name	Prof. Jui-Han Lu	Dr. Hsin-Cheng Su	Prof. Shun-Yun Lin
Address	Dept. of Electronic Comm. Eng. National Kaohsiung Marine University	JEBSEE Electronics Co. LTD. No.24-3, Sin-Lo RD., Tainan City, Taiwan.	Dept. of Electronic Eng. Cheng Shiu University
Phone	+886-7-3617141 ext 3310	+886-6-2647622	
Fax	+886-7-3658307		
Email	jhlu@webmail.nkmu.edu.tw	suhc@ema.ee.nsysu.edu.tw	yun@csu.edu.tw

	Secretary	Treasurer	Membership development
Name	Dr. Shu-Chuan Chen	Dr. Ting-Wei Kang	Prof. Chin-Lung Yang
Address	Dept. of Electrical Eng. National Defense University	MediaTek Inc. No.1 Dusing 1 st RD., Hsinchu Science Park, Hsichu city 30078, Taiwan.	Dept. of Electrical Eng. Nation Cheng Kung University
Phone			
Fax			
Email	chensc@ema.ee.nsysu.edu.tw	kangtw@ema.ee.nsysu.edu.tw	chinlung.yang@gmail.com

- F. Officers for 2014 (if known at this time):

	Chair	Vice Chair	Vice Chair
Name	Prof. Jui-Han Lu	Dr. Hsin-Cheng Su	Prof. Shun-Yun Lin
Address	Dept. of Electronic Comm. Eng. National Kaohsiung Marine University	JEBSEE Electronics Co. LTD. No.24-3, Sin-Lo RD., Tainan City, Taiwan.	Dept. of Electronic Eng. Cheng Shiu University
Phone	+886-7-3617141 ext 3310	+886-6-2647622	
Fax	+886-7-3658307		

Email	jhlu@webmail.nkmu.edu.tw	suhc@ema.ee.nsysu.edu.tw	yun@csu.edu.tw
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Name	Dr. Shu-Chuan Chen	Dr. Ting-Wei Kang	Prof. Chin-Lung Yang
Address	Dept. of Electrical Eng. National Defense University	MediaTek Inc. No.1 Dusing 1 st RD., Hsinchu Science Park, Hsichu city 30078, Taiwan.	Dept. of Electrical Eng. Nation Cheng Kung University
Phone			
Fax			
Email	chensc@ema.ee.nsysu.edu.tw	kangtw@ema.ee.nsysu.edu.tw	chinlung.yang@gmail.com

2. FINANCIAL INFORMATION

A. Chapter funds (US \$) on 1 January 2013: _____2632_____

B. Income (US \$) during 2013:

1. Support from AP-S*: _____1300_____

2. Support from other IEEE Societies: _____0_____

3. IEEE Section support: _____0_____

4. Other support (specify): travel grant support 1000_____

TOTAL INCOME: _____2300_____

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

C. Expenditures (US \$) during 2013: _____2009_____

D. End of year balance (US \$) as of 31 December 2013: _____2923_____

3. CHAPTER ACITVITIES DESCRIPTION

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

3.1 Summary Information for 2013

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

1. **Presentations from student members of your chapter: 2**
2. **Presentations from non-student members of your chapter: 26**
(A member of your chapter is one who belongs to the AP-S Society and who lives within your Section. Do not include IEEE Distinguished Lecturers)
3. **Presentations from outside speakers: 15**
(This includes speakers from outside your chapter. Do not include IEEE Distinguished Lecturers.)
4. **Presentations from IEEE Distinguished Lecturers: 1**
5. **TOTAL numbers of technical meetings: 28**

B. Average total attendance at the technical meetings:

(Average over all of the technical meetings held during the year.)

C. Number of non-technical (organizational) meetings held: **1**

1. Nov. 23, 2013, IEEE AP-S annual meeting, National Sun Yat-sen University, Kaohsiung City, Taiwan.

D. Number of workshops, short courses, or conferences organized or co-organized by your chapter: **2** Academic Conference: **1**

1. 2013 EM Education Initiative-winter Program
2. 2013 Workshop on Antenna Application

3.2 Technical Meeting Information for 2013 (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 (but do not include IEEE Distinguished Lecturers)

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	Other	Total	
1	Jan. 22~24, 2013, “2013 Workshop on Electromagnetics-A Bridge to the Future” (EM Education Initiative-winter Program), Tainan City, Taiwan. IEEE AP-S Tainan chapter: Technical co-sponsor.	35	160	195	M
2	March 15, 2013, “The Development of Radio”, Prof. Ken-Huang Lin, at National Kaohsiung University of Applied Sciences, Kaohsiung City, Taiwan	3	40	43	M
3	April 20, 2013, “Smartphone Antenna Evolution,” Dr. Yen-Liang Kuo, at National Sun Yat-sen University, Kaohsiung City, Taiwan	26	99	125	O
4	Apr. 20, 2013, “Mobile Communication Antenna Development for Post-Smartphone Era,” Dr. Chih-Hua Chang, at National Sun Yat-sen University, Kaohsiung City, Taiwan	26	99	125	M
5	Apr. 20, 2013, “4G/Multiband Ground Antennas for Handheld Devices,” Prof. Kin-Lu Wong, at National Sun Yat-sen University, Kaohsiung City, Taiwan	26	99	125	M
6	May 8, 2013, Workshop on Electromagnetic Education and Application, Kai-Long Hsiao, Department of Electrical Engineering, National University of Tainan, at National University of Tainan, Tainan City, Taiwan.	6	114	120	S
7	May 8, 2013, Workshop on Electromagnetic Education and Application, Prof. Zua-Ming Tsai, Department of Electrical Engineering, National Chung Cheng University, at National University of Tainan, Tainan City, Taiwan.	6	114	120	M
8	May 8, 2013, Workshop on Electromagnetic Education and Application, Prof. Heng-Tung Hsu, Department of Communications Engineering, Yuan Ze University, at National University of Tainan, Tainan City, Taiwan.	6	114	120	M

9	May 8, 2013, Workshop on Electromagnetic Education and Application, Prof. Ruey-Bing Hwang, Department of Electrical and Computer Engineering, National Chiao Tung University, at National University of Tainan, Tainan City, Taiwan.	6	114	120	M
10	May 8, 2013, Workshop on Electromagnetic Education and Application, Wan-Ti Wang, Department of Electrical Engineering, National University of Tainan, at National University of Tainan, Tainan City, Taiwan.	6	114	120	S
11	May 10, 2013, The Off-campus teaching on Satellite station of Chunghwa Telecom Co., Ltd. at Pingtung, Taiwan	1	63	64	O
12	May 20, 2013, “The trend and development of mobile communication system”, Jane Lin, National Kaohsiung Marine University, Kaohsiung City, Taiwan	1	25	26	O
13	May 25, 2013, Workshop on Antenna Application, Tzyh-Ghuang Ma, Department of Electronic Communication Engineering, National Kaohsiung Marine University, Kaohsiung City, Taiwan.	16	62	78	M
14	May 25, 2013, Workshop on Antenna Application, Shau-Gang Mao, Department of Electronic Communication Engineering, National Kaohsiung Marine University, Kaohsiung City, Taiwan.	16	62	78	M
15	Sept. 03, 2013, “Wireless Power Transfer via Wheels to Running Electric Vehicles”, Prof. Takashi Ohira at National Sun Yat-sen University, Kaohsiung City, Taiwan	20	71	91	D
16	Sept. 11, 2013, “EM concepts and applications”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	40	41	O
17	Sept. 14, 2013, “Smart phone industry analysis and trend”, Dr. Yen-Liang Kuo at South Taiwan University, Tainan City, Taiwan	1	9	10	O
18	Sept. 25, 2013, “EM applications for device design: 1. traditional RLC”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	40	41	O
19	Sept. 28, 2013, “2G/3G/4G antenna design and measurement”, Dr. Yen-Liang Kuo at South Taiwan University, Tainan City, Taiwan	1	9	10	O
20	Oct. 02, 2013, “EM applications for device design: 2. Antenna Design”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	23	24	O
21	Oct. 05, 2013, “BT/Wifi GPS antenna design and Application”, Dr. Yen-Liang Kuo at South Taiwan University, Tainan City, Taiwan	1	8	9	O

22	Oct. 16, 2013, “EM applications for device design: 2.Antenna Design”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	24	25	0
23	Oct. 19, 2013, “Antenna system integration analysis and design ”, Dr. Yen-Liang Kuo at South Taiwan University, Tainan City, Taiwan	1	7	8	0
24	Oct. 30, 2013, “EM applications for device design: 2.Antenna Design”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	14	15	0
25	Nov. 12, 2013, “RF device manufacturing”, Dr. Yuan-Chih Lin at South Taiwan University, Tainan City, Taiwan	1	20	21	0
26	Nov. 16, 2013, “Diversity and MIMO antenna technology and its applications”, Dr. Wu at South Taiwan University, Tainan City, Taiwan	1	7	8	0
27	Nov. 16, 2013, “Antenna array and smart-MIMO antenna technology”, Dr. Wu at South Taiwan University, Tainan City, Taiwan	1	7	8	0
28	Nov. 22, 2013, “Recent trend and development for mobile communication antennas”, Dr. Chih-Hua Chang, at National Defense University, Taoyuan, Taiwan	3	20	23	M

1. March 15, 2013, “The Development of Radio”, Prof. Ken-Huang Lin, Department of Electrical Engineering, at National Kaohsiung University of Applied Sciences, Kaohsiung City, Taiwan.



2. May 8, 2013, Workshop on Electromagnetic Education and Application, Kai-Long Hsiao, Department of Electrical Engineering, National University of Tainan, at National University of Tainan, Tainan City, Taiwan.



3. May 10, 2013, The Off-campus teaching on Satellite station of Chunghwa Telecom Co., Ltd. at Pingtung, Taiwan.



4. May 20, 2013, “The trend and development of mobile communication system”, Jane Lin, National Kaohsiung Marine University, Kaohsiung City, Taiwan



5. May 25, 2013, Workshop on Antenna Application, Department of Electronic Communication Engineering, National Kaohsiung Marine University, Kaohsiung City, Taiwan.



6. Sept. 03, 2013, "Wireless Power Transfer via Wheels to Running Electric Vehicles", Prof. Takashi Ohira at National Sun Yat-sen University, Kaohsiung City, Taiwan



3.3 Summary of Workshops, Short Courses, and Conferences for 2013

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. Please be specific about the role of your chapter in the event.

Academic Conferences and workshops

- 1. Jan. 22~24, 2013, “2013 Workshop on Electromagnetics-A Bridge to the Future” (EM Education Initiative-Winter Program), Tainan City, Taiwan. IEEE AP-S Tainan chapter: Technical co-sponsor.**
- 2. May 25, 2013, 2013 Workshop on Antenna Application**

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. If possible, indicate how your chapter was improved as a result of the special project.

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?

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

We arranged some technical visits/ visits and an antennas League:

1. Industry visit: 2013/4/9~10



4.2. Were there any unique or innovative activities within your chapter?

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
- Educational activities

4.3. Miscellaneous information, elaboration on any of the above topics, or special factors to be considered.

1. Nov. 23, 2013, IEEE AP-S annual meeting, National Sun-Yen Seng Univ, Kaohsiung city, Taiwan.

5. SUGESSTIONS FOR AP-S

Please use this space to describe any suggestions you have regarding how the AP-S Society can better serve your Chapter (or all AP-S Chapters).

NIL

6. May this report be posted on the APS Chapters web page or disseminated by other means (Yes/No)? (By placing the report on the web page, you are allowing other chapters to have access to your chapter's new ideas and sponsored events. The sharing of your report is intended to promote a healthy interchange of information among chapters. A "yes" answer will be assumed if the question is left unanswered.)

Yes.

**The following form is for the Judges of the Best Chapter Award
(Please Leave Blank)**

Please rate the following on a score of one to ten, with ten being the best and one being the worst.

- Quality of the Technical Presentations made by Chapter Members
- Quality of the Technical Presentations made by Non-Chapter Members
- Quality of Special Projects
- Quality of Workshops, Conferences and Short Courses
- Quality of Innovative Activities and Membership Activities