

## **Region 8 MTT-S Chapter Chair Meeting in London on October 3, 2016**

Jan Macháč

Daniel Pasquet

The annual meeting of the MTT-S Chapter Chairs and other Chapter representatives takes place in conjunction with the European Microwave Week (EuMW), the most prestigious microwave event in Europe. In 2016, EuMW was held in the London at ExCel London, October 3-7. The Chapter Chairs' Meeting (CCM) took place at the Hotel Crowne Plaza London Docklands on Monday October 3 starting at 3 p.m. This friendly meeting brings together Chapter representatives and MTT-S AdCom officers. It provides an opportunity to exchange experience among the individual chapters, to share best practices, to clarify what the chapter wants the officers to do and what IEEE MTT-S administrators should do, to explain the support given to the chapters by MTT-S, and the conditions under which it is provided. In brief, CCM provides an opportunity to teach Chapter Chairs how to run their Chapters. The MTT-S Membership and Geographic Activities (MGA) Committee considers this meeting as the most important event organized for the chapters in Region 8. There are always some interesting lectures included into the CCM program.

There are 50 MTT-S Chapters and Joint Chapters, including seven MTT Student Branch Chapters, in Region 8. 31 participants attended the meeting, and 16 Chapters from Region 8 were represented: Austria, Czechoslovakia, France, France SBC Bordeaux, Israel, Lithuania, Northern Italy, Poland, Russia ITMO, Russia Saint Petersburg, Serbia-Montenegro, South Africa, Ukraine Kiev, Ukraine west, Ukraine/Georgia, UKRI Manchester SBC. Additionally, only one chapter from outside of Region 8 was represented - SBC University Davis.

Jan Macháč, the Region 8 Chapter Coordinator, opened the meeting and welcomed the guests and all participants. He stressed that the Chapter Chairs and other Chapter officers are the most important persons in the Society as they represent the Society and their program to the members. Then everyone in the room introduced him/herself.

The CCM participants were welcomed by MTT-S President Ke Wu. Ke introduced the mission and field of interest of the Microwave Theory and Techniques Society. These are: education, publications, conferences, recognition, services, and technology advancement. All this is done in the favor of the Society members. Our members as technical paper authors, reviewers, and local organizers contribute these activities. Finally Ke invited the meeting participants to attend the Society flag ship conference - International Microwave Symposium in Honolulu, Hawaii, June 4-9, 2017.

Next the floor was given to Daniel Pasquet, the MTT-S MGA Committee Past Chair and the Region 8 Coordinator. He spoke about the history of IEEE established in 1963 by merging American Institute of Electrical Engineering (AIEE, established in 1884) and Institute of Radio Engineers (IRE, established in 1912) at the name Institute of Electrical and Electronics Engineers - IEEE. Next Daniel spoke about geographical (regions, sections, chapters) and technical (divisions, societies, technical councils, chapters) structure of IEEE putting the main emphasis on the MTT-S.

Status of the European Microwave Week (EuMW) was then presented by Andrew Gibson, EuMW General Chair. The European Microwave Week is the premier microwave conference event in Europe, comprising three Conferences: EuMC - European Microwave Conference, EuMIC - European Microwave IC Conference, and EuRAD - European Radar Conference. Key element of EuMW is the European Microwave Exhibition, the largest microwave and RF trade show in Europe. There are 4 special and 3 focused sessions drawing attention to interesting technical topics and links with other communities. Workshops and

Short Courses will cover key themes as 5G communication, GaN, CMOS and SiGe technologies, power amplifiers, developments in space based technologies, and automotive, multistatic and space based radars. The Defense, Security and Space Forum is the major part of EuMW. The Student Challenge and the Student Design Competitions are organized for students to present their skills. Andrew finally gave the basic statistics for the week.

Ajay Poddar, the Region 1 Coordinator presented the winners of the 2015 Outstanding Chapter Award. Three winners: Lithuania, North Italy Chapter, and SBC University of Bordeaux France will receive the plaque at 2016 European Microwave Week, London. To next four Chapters: United Arab Emirates Chapter, Northern Canada Chapter, Hyderabad Chapter, and Poland Chapter plaques will be given at 2016 APMC in Delhi.

Tim Lee MTT-S Past President introduced the IEEE Humanitarian Activities Committee (HAC). The Committee really fulfills the common IEEE goal “Advancing Technology for Humanity”. The Committee partners with outside organizations, and is always looking for new partnerships. Prospective partnerships are with non-profit organizations, local governments, and private companies. The long term humanitarian activities are delivered in developing countries, respond to systematic problems, and are focused on economic, social, and political development. The goals are: no poverty, no hunger, good health, quality education, gender equality, clean water and sanitation, affordable and clean energy, economic growth, industry innovation and infrastructure, peace, justice and strong institutions, sustainable cities and communities. Climate actions will contribute both life below water and on land. The IEEE Special Interest Group on Humanitarian Technology (SIGHT) is network of IEEE volunteers around the globe that partner with underserved communities and local organizations to leverage technology for sustainable development. SIGHT is focused on sustainable solutions and projects which will create long term difference in the lives of people in underserved community. SIGHT operates through local volunteers and partners working with local communities. SIGHT program is run by SIGHT Groups. These are groups of at least 6 IEEE members (additional IEEE and non-IEEE volunteers are welcome) who come together to learn about sustainable development, to build relationships with local underserved communities, and to implement projects that leverage technology to tackle key problems within the community. Professional SIGHT Groups are sponsored by a society, section, council or region. They engage in long-term projects with the community. University SIGHT Groups are Sponsored by a student branch. They require a faculty lead, and are engaged in a “feet on the ground” projects with the community.

In his next presentation Tim was speaking about IEEE MTT-S Future Directions (FD) Initiatives. These are namely Internet of Space (IoS), and 5G Initiative. MTT-S adhoc committees for IoS and 5G will lead interactions with IEEE FD Committees leaderships to establish our fields of interests for these emerging technology communities. We will bring back to MTT-S the opportunities for engagement. To make these initiatives successful will require volunteers from entire MTT-S community.

Mike Golio, MGA Committee Administrator provided the education for Chapter representatives. Mike recalled the IEEE structure. The Chapters have to report their meetings via the L31 Forms, using V-tools. This is important, as IEEE considers a chapter to be active if it submits at least two L31s on technical meetings. The Chapters have to apply to their Sections for the money that they receive for being recognized as an active Chapter. Mike showed how to apply to MTT Society for the annual support of \$1000 for an MTT-S Chapter or \$500 for a joint Chapter. A Chapter can additionally get \$500 for organizing a workshop. Mike introduced an activity, under which Chapters can get up to \$3000 for organizing a workshop. He explained the conditions for obtaining a travel grant of \$1500 to attend CCM. Finally, he introduced the Distinguished Microwaves Lectures and Speakers Bureau

programs. He mentioned particular prizes awarded to members, and the MTT Outstanding Chapter Award.

The chapter chairs then spoke, moderated by Daniel Pasquet, the MTT-S MGA Committee Past Chair, and one of the Region 8 Chapter Coordinators. The Chapter representatives reported on major events, such as conferences, seminars, workshops, and lectures organized by the Chapter in the recent period. Five chapters contributed the discussion: Lithuania – the winner of the 2015 Outstanding Chapter Award , Israel - Shmuel Auster presented the success of the international conference IEEE COMCAS, Russia Moscow, South Africa – the most important is their Biennial Conference lasting two days, Southeastern Michigan Chapter. Seven Chapters presented reports of their activities on posters: Georgia, Poland, SBC Univ. Manchester, Serbia-Montenegro, UK+Ireland RAS Chapter, Ukraine Kiev, Ukraine West. The meeting participants had a chance to follow posters during the entire meeting.

The Meeting then continued by a lecture of DML Dr. James Rautio: “Æthereal Waves Make History, the four scientists who saved James Clerk Maxwell’s theories”. This was the high light of the event. Maxwell first published what came to be called “Maxwell’s equations” in 1865. However, it was not until 1888, and Heinrich Hertz’s experimental validation that Maxwell’s equations were widely accepted as correct. The story of the intervening 23 years is little known. Maxwell, who died in 1879, was exceptionally modest and did not promote his own results at any time. The survival of Maxwell’s equations was up to the only three researchers in the entire world who paid serious attention to Maxwell’s paper in 1865, and his seminal Treatise in 1873: Oliver Heaviside, Oliver Lodge, and George Francis FitzGerald. Later, Hertz joined the group forming “The Four Maxwellians”.

The CCM was followed by a very pleasant reception and a dinner at the Hotel Crowne Plaza London Docklands, which brought together participants of the CCM and participants of the TCC Meeting. President of the MTT-S Ke Wu gave plaques and certificates to the three winning chapter of the 2015 Outstanding Chapter Award. For the Lithuania Jt. Chapter, MTT/AP/ED the plaque was received by its Chair Boris Levitas, for the North Italy MTT/ED/AP Chapter the plaque was received by its Chair Giacomo Olivieri, and for the University of Bordeaux MTT-S Student Branch Chapter the plaque was received by its Advisor Anthony Ghiotto.

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Jan Macháč and Daniel Pasquet are the Region 8 MTT-S Chapter Coordinators

Figures:



Jan Macháč, the Region 8 Coordinator opens the Chapter Chair Meeting.  
Photo by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.



Ke Wu, the MTT-S President welcomes participants.  
Photo by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.



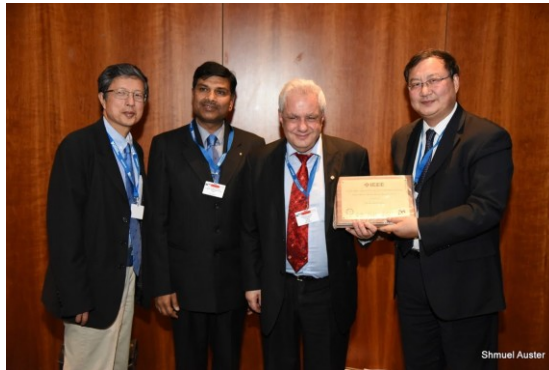
Daniel Pasquet, the MGA Committee Past Chair addresses participants.  
Photo by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.



The atmosphere in the room, first row from the left Dmitry Kholodnyak, Russia St. Peterburg, Ke Wu, MTT-S President, Boris Levitas, Irina Naidionova, Lithuania, Philippe Descamp, France.  
Photo by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.



The two ladies presenting activities of their chapters: Irina Naidionova, Lithuania, left, Riana Geschke, South Africa, middle, Shmuel Auster presents the COMCAS Conference, right.  
 Photos by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.



Lithuania Chapter, from the left: Tim Lee, Ajay Poddar, Boris Levitas, Ke Wu.



North Italy Chapter, from the left: Tim Lee, Ajay Poddar, Giacomo Olivieri, Ke Wu.



SBC University of Bordeaux, from the left: Tim Lee, Ajay Poddar, Anthony Ghiotto, Ke Wu.  
Presenting plaques to the winners of the Outstanding Chapter Award during the dinner.  
Photos by courtesy of Shmuel Auster, Israel MTT/AP Chapter Chair.