

The recent IEEE MTT/ED/AP/CPMT/SSC West Ukraine Chapter Activity - XXIst International Seminar/Workshop DIPED-2016

The XXIst International Seminar/Workshop on Direct and Inverse Problems of Electromagnetic and Acoustic Wave Theory (DIPED-2016) was organized by the IEEE MTT/ED/AP Georgian and MTT/ED/AP/CPMT/SSC West Ukraine Chapters. This year, DIPED was held at the Tbilisi State University, Tbilisi, Georgia, on September 26-29. The Ivane Javakhishvili Tbilisi State University (TSU) and Pidstryhach Institute of Applied Problems in Mechanics and Mathematics, NASU, Ukraine, were the co-organizers of DIPED-2016. IEEE Electron Devices Society and Microwave Theory & Techniques Society provided the Technical Co-Sponsorship for the Seminar/Workshop.

The IEEE Antennas & Propagation, Solid State Circuits Societies, and IEEE Section Ukraine were the supporting IEEE institutions.

Prof. Revaz S. Zaridze, Chairman of the Local Organizing Committee, Dr. Tamar Gogua, IEEE MTT/ED/AP Georgian Chapter Secretary, and Prof. Kakhaber Tavzarashvili, IEEE MTT/ED/AP Georgian Chapter Chairman, bended all efforts for the general and local organization of the event.

The DIPED-2016 technical program consisted of 38 papers, including 6 invited talks. Scientists from Canada, China, Georgia, Germany, Israel, Iran, Poland, Russia, Tunisia, USA, and Ukraine brought forward their papers. The papers were arranged at the following sections:

- Theoretical Aspects of Electrodynamics
- Diffraction and Scattering
- Antenna Synthesis and Inverse Problems
- Novel Methods in Electrodynamics
- Antenna Design
- Analytical and Numerical Methods
- Acoustics and Remote Sensing

This year, the group of regular students, Ph.D. students and young scientist was presented at the Seminar/Workshop in large quantities. The following young participants were granted by the Best Young Speaker Award:

- Ms. Tamar Nozadze (Tbilisi State University, Tbilisi, Georgia) for “EM Exposure Study on an Inhomogeneous Human Model Considering Different Hand Positions”.
- Mr. Giga Gabriadze (Tbilisi State University, Tbilisi, Georgia) for “Fast Fields Calculation using Adaptive Cross Approximation”.
- Mr. Giorgi Afridonidze (Tbilisi State University, Tbilisi, Georgia) for “Application of the Method of Auxiliary Sources for the Spherical and Ellipsoid Resonators”.
- Mr. Nikolaoz Vadachkoria (Tbilisi State University, Tbilisi, Georgia) for “Active Sources Localization by Measured Field”.

The recipients of Award were recognized by the especial certificate from the Program Committee and financial grant from the Organizing Committee.

Following to the DIPED tradition, time given up to the free lobby discussion takes a considerable part of total continuation of DIPED-2016.

The big excursion tour in the framework of the Seminar/Workshop social events consisted of three parts. First of them was excursion in Tbilisi and acquainting with most interesting architectural sights.



Fig. 1. The group of DIPED-2016 participants with the Tbilisi State University building on the background.

Traditional Seminar/Workshop dinner was held after completion of the technical program. The Best Young Scientist Awards were presented there, as well as the discussions about the improvement of the Seminar/Workshop format and proposals of the participants were taken into consideration.

It was announced by the organizers that the next 22nd anniversary Seminar/Workshop DIPED will be held at the Dnipropetrovsk National University, Dnipro, Ukraine, on September 25-28, 2017. The previous attendees and new participants are cordially invited.

Dr. Mykhaylo Andriychuk
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