

# EMC EUROPE 2023



KRAKOW, POLAND, SEPTEMBER 4 - 8, 2023

INTERNATIONAL SYMPOSIUM AND EXHIBITION  
ON ELECTROMAGNETIC COMPATIBILITY

EMCoS team welcomes you to this exciting event. We look forward to your participation in our software demonstrations, poster sessions, and workshops!

Visit us at our booths #T14&T15 to find out more about the latest products, discuss projects and share ideas.



## OS-09: Power Electronics

Time: Wednesday, 06/Sep/2023, 9:40am - 10:00am

Location: Room E

### **PEEC-based Wideband Micro-Model of Inductive Components for Power Electronics Applications**

**Diana Eremyan<sup>1,2</sup>, Anna Gheonjian<sup>1,2</sup>, Davit Imnadze<sup>1,2</sup>, Konstantin Parshutkin<sup>1,2</sup>, Roman Jobava<sup>1,2</sup>**

<sup>1</sup>EMCoS LLC, Tbilisi, Georgia; <sup>2</sup>Tbilisi State University

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## PS-02: Poster Session 2

Time: Wednesday, 06/Sep/2023, 12:10pm - 2:30pm

Location: Room I (1st floor)

### **Application of Entire Domain Hyper Basis Functions Approach to Solution of EMC Problems**

**Faik Bogdanov, Irina Chochia, Roman Jobava**

EMCoS LLC, Tbilisi, Georgia

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## OS-08C: EMC in Automotive III

Time: Wednesday, 06/Sep/2023, 4:40pm - 5:00pm

Location: Room C

### **Common Mode Loop Impedance Analysis for Wire System in the Vehicle using PEEC Solution**

**Irina Oganezova<sup>1</sup>, Anna Gheonjian<sup>1</sup>, Badri Khvitia<sup>1</sup>, Roman Jobava<sup>1</sup>, Xavier Bunlon<sup>2</sup>**

<sup>1</sup>EMCoS LLC, Tbilisi, Georgia

<sup>2</sup>Technocentre RENAULT, France



### PS-03: Poster Session 3

Time: Thursday, 07/Sep/2023, 12:10pm - 2:30pm

Location: Room I (1st floor)

#### **Virtual Triaxial Setup Modeling for Numerical Determination of Transfer Impedance of Shielded Cables**

**Iskander Badzagua<sup>1</sup>, Ilona Danelyan<sup>1</sup>, Kakhaber Odisharia<sup>1</sup>, Anna Gheonjian<sup>1,2</sup>, Roman Jobava<sup>1,2</sup>**

<sup>1</sup>EMCoS LLC, Tbilisi, Georgia; <sup>2</sup>Tbilisi State University

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### OS-06D: Computational Electromagnetics and Modeling IV

Time: Thursday, 07/Sep/2023, 3:10pm - 3:30pm

Location: Room A

#### **PEEC Solution of EM-Circuit Problems for Combined Metallic and Dielectric Structures Based on the Augmented Integral Equations**

**Giorgi Chiqovani<sup>1</sup>, Alexander Demurov<sup>1</sup>, Diana Eremyan<sup>1,2</sup>, Davit Imnadze<sup>1,2</sup>, Anna Gheonjian<sup>1,2</sup>, Roman Jobava<sup>1,2</sup>**

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### WS-16C: EMC Marathon - Workshop: "Automotive EMC" - Part 3

Time: Friday, 08/Sep/2023, 3:00pm - 3:30pm

Location: Room A

#### **Modeling of HV Components for Electrical Vehicles Based on CISPR-25 Conducted Emission Test**

**Alexander Demurov<sup>1</sup>, Anna Gheonjian<sup>1,2</sup>, Badri Khvitia<sup>1,2</sup>, Zviadi Kutchadze<sup>1,2</sup>, Irina Oganezova<sup>1,2</sup>, Roman Jobava<sup>1,2</sup>**

<sup>1</sup>EMCoS LLC, Tbilisi, Georgia; <sup>2</sup>Tbilisi State University

# Georgian Wines Degustation

*Explore the Famous Taste of Georgian Wines!*



Time: Wednesday, 06/Sep/2023, 3:30pm - 4:00pm  
Location: EMCoS booths #T14&T15