
Session Title [OC1] Static & Quasi-Static Fields / Wave propagation
Date and Time June 21 (Wednesday) / 09:00-10:40
Place Grand Ballroom (2F, 201)
Session Chair To be Announced

OC1-1 **09:00-09:20**

New Type of Second Order Tetrahedral Edge Elements by Reducing Edge Variables for Quasi-static Field Analysis

Ahagon, Akira (1); Kameari, Akihisa (1); Ebrahimi, Hassan (1); Fujiwara, Koji (2); Takahashi, Yasuhito (2)
 1: Science Solutions International Laboratory, Inc., Japan; 2: Doshisha University, Japan

OC1-2 **09:20-09:40**

Subproblem Finite Element Method for Current and Voltage Driven Magnetic Devices

Dular, Patrick (1); de Sousa Alves, Bruno (2); Kuo-Peng, Patrick (2)
 1: University of Liege, Belgium; 2: Universidade Federal de Santa Catarina, Brazil

OC1-3 **09:40-10:00**

GPU accelerated time domain DGA method for wave propagation problems on tetrahedral grids

Kapidani, Bernard (1); Cicuttin, Matteo (2); Codecasa, Lorenzo (3); Specogna, Ruben (1); Trevisan, Francesco (1)
 1: DPIA, University of Udine, Italy; 2: Cermics (ENPC), Université Paris-Est, France; 3: DEIB, Politecnico di Milano, Italy

OC1-4 **10:00-10:20**

Numerical modelling and material characterization for multilayer magnetically shielded room design

Canova, Aldo (1); Freschi, Fabio (1,2); Giaccone, Luca (2); Repetto, Maurizio (1,2)
 1: Politecnico di Torino, Dipartimento Energia, Corso Duca degli Abruzzi 24, 10129, Torino; 2: School of Information Technology and Electrical Engineering - The University of Queensland, Australia

OC1-5 **10:20-10:40**

Nonlinear Lamination Stacks Studied with Harmonic Balance FEM combined with Homogenization approach

Ziani, Smail; Henneron, Thomas; Le Menach, Yvonnick
 Laboratoire d'Electrotechnique et d'Electronique de Puissance de Lille (L2EP)