IEEE CEFC 2016 Oral Sessions

Corresponding Author Name	Affiliation	Digest No	category	Paper Title	Type	Session Name	Session No	Presentation Date
Karl Hollaus	Technische UniversitÃ¤t Wien, Institute for Analysis and Scientific Computing	746	Numerical Techniques	Multiscale and Harmonic Balance FEM for the Eddy Current Problem in Laminated Iron Cores	O	Numerical Techniques 1	MO01	Monday November 14, 2016
Takeshi Mifune	Kyoto University	696	Numerical Techniques	Complex-Valued Formulation of Nonlinear Time-Harmonic Magnetic Field Analysis and New Krylov-Like Solvers	O	Numerical Techniques 1	MO01	Monday November 14, 2016
Laurent Montier	L2EP, UniversitÃ© Lille 1	769	Numerical Techniques	Rotation movement based on the Spatial Fourier Interpolation Method (SFIM)	O	Numerical Techniques 1	MO01	Monday November 14, 2016
henneron	university Lille1 - L2EP	829	Numerical Techniques	Parametric analysis of Magnetoharmonic problem based on Proper Generalized Decomposition	O	Numerical Techniques 1	MO01	Monday November 14, 2016
Ulrich RÃ¶mer	Technische Universitaet Darmstadt	836	Numerical Techniques	Balancing Modeling and Discretization Errors in the Numerical Approximation of Magnetostatic Fields with Uncertainties	O	Numerical Techniques 1	MO01	Monday November 14, 2016
Babak Fahimi	University of Texas at Dallas	821	Devices and Applications	Multiphysics Simulation of Pulsed Cold Plasma Arc Rotation in the Field of a Ring Permanent Magnet	O	Devices and Applications 1	MO02	Monday November 14, 2016
Bai Baodong	Shenyang University of Technology	745	Devices and Applications	Study on the Protection and Energy Transmission Modes of One Phase Short Circuit to Ground in Inverters	O	Devices and Applications 1	MO02	Monday November 14, 2016
Jasmin Smajic	University of Applied Sciences Rapperswil HSR	531	Devices and Applications	Dynamic Short-Circuit Analysis of Synchronous Machines	O	Devices and Applications 1	MO02	Monday November 14, 2016
Mohammad Reza Barzegaran	Lamar University	298	Devices and Applications	EMI reduction of PMSM Drive through Matrix converter controlled with wide band gap switches	O	Devices and Applications 1	MO02	Monday November 14, 2016
So Noguchi	Hokkaido University	492	education	A computer aided education system based on augmented reality by immersion to 3-D magnetic field	O	Device and Applications 2	MO02	Monday November 14, 2016
Yuki Sato	Hokkaido University	763	Material Modeling	Time-domain Analysis of Soft Magnetic Composite Using Equivalent Circuit Obtained via Homogenization	O	Material Modeling 1	MO03	Monday November 14, 2016
Junji Kitao	Doshisha Univ., Mitsubishi Electric Corp. / Japan	127	Material Modeling	Homogenization Method for Laminated Iron Core Taking Account of Hysteretic Property	O	Material Modeling 1	MO03	Monday November 14, 2016
Ermanno Cardelli	University of Perugia	798	Material Modeling	Magnetic Modelling for the Texture Analysis of Fe-Si Alloys	O	Material Modeling 1	MO03	Monday November 14, 2016

Joao Pedro Bastos	Univ. Fed. Santa Catarina	378	Material Modeling	An accurate vector Jiles-Atherton model for improving the FEM convergence	O	Material Modeling 1	MO03	Monday November 14, 2016
Laurent DANIEL	GeePs-CentraleSupelec	223	Material Modeling	An equivalent strain approach for magneto-elastic couplings	O	Material Modeling 1	MO03	Monday November 14, 2016
XIAOCHEN ZHANG	Beijing Jiaotong University	412	Optimization & Design	CQICO and multi-objective thermal optimization for high speed PM generator	O	Optimization and Design 1	MO04	Monday November 14, 2016
Lee Kang Hyouk	Sungkyunkwan University	522	Optimization & Design	Dot Sensitivity Analysis for Topology Optimization of Dielectric Material in Electrostatic System	O	Optimization and Design 1	MO04	Monday November 14, 2016
Geoffrey Lossa	University of Mons	501	Optimization & Design	Influence of the Geometrical Uncertainties on the RLC parameters of Wound Inductors Modeled Using the Finite Element Method	O	Optimization and Design 1	MO04	Monday November 14, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	641	Optimization & Design	Projection-Based Objective Space Reduction for Many-Objective Optimization Problems: Application to an Induction Motor Design	O	Optimization and Design 1	MO04	Monday November 14, 2016
Thomas Bauernfeind	Institute of Fundamentals and Theory in Electrical Engineering / Graz University of Technology	165	Optimization & Design	PEEC-Based Multi-Objective Synthesis of Non-Uniformly Spaced Linear Antenna Arrays	O	Optimization and Design 1	MO04	Monday November 14, 2016
Alexis Desmoort	University of Mons	626	Static & Quasi- static Fields	Surface Impedance Boundary Condition with Circuit Coupling for the 3D Finite Element Modeling of Wireless Power Transfer	O	Static and Quasi Static Fields 1	MO05	Monday November 14, 2016
Bernard Kapidani	University of Udine	854	Static & Quasi- static Fields	T-Ω formulation with higher order hierarchical basis functions for non simply connected conductors	O	Static and Quasi Static Fields 1	MO05	Monday November 14, 2016
Jennifer DutinÃ©	University of Wuppertal, Chair of Electromagnetic Theory	141	Static & Quasi- static Fields	Multiple Right-Hand Side Techniques in Semi-Explicit Time Integration Methods for Transient Eddy Current Problems	O	Static and Quasi Static Fields 1	MO05	Monday November 14, 2016
Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	552	Static & Quasi- static Fields	3D IC Interconnect Parasitic Capacitance Extraction with a Reformulated PGD Algorithm	O	Static and Quasi Static Fields 1	MO05	Monday November 14, 2016
Olivier CHADEBEC	CNRS - UniversitÃ© Grenoble Alpes	624	Static & Quasi- static Fields	3D Magnetic Devices Analysis using Facet FEM Formulation Coupled with Reluctance Network Method	O	Static and Quasi Static Fields 1	MO05	Monday November 14, 2016
Shuhei Matsuzawa	Osaka University	142	Coupled Problems	3D Analysis of Magnetohydrodynamic Flow Employing Meshless Method Based on Weighted Least Square Method	O	Coupled Problems 1	MO06	Monday November 14, 2016

Paquay	UniversitÃ© de LiÃ¨ge	491	Coupled Problems	Nonlinear Reduced Order Model of a 3-Phase Transformer For Electric Network Simulator Coupling	O	Coupled Problems 1	MO06	Monday November 14, 2016
Mohammad Reza Barzegaran	Lamar University	295	Coupled Problems	Condition Monitoring of electric components using 3-D printed multiple magnetic coil antennas	O	Coupled Problems 1	MO06	Monday November 14, 2016
Ugur Aydin	Aalto University	526	Coupled Problems	Modelling the Effect of Multiaxial Stress on Magnetic Hysteresis of Electrical Steel Sheets: A Comparison	O	Coupled Problems 1	MO06	Monday November 14, 2016
Mingyong LIU	Group of electrical engineering, Paris (GeePs)	859	Coupled Problems	Modeling of Magnetostriction Induced Deformation Using Computer Code Chaining and Equivalent Stress Projection	O	Coupled Problems 1	MO06	Monday November 14, 2016
Ulrich RÃ¶mer	Technische Universitaet Darmstadt	812	Bioelectromagnetic Fields Computation	Low-Dimensional Stochastic Modeling of the Electrical Properties of Biological Tissues	O	Nano Magnetics and Bioelctric Fields	MO07	Monday November 14, 2016
Markus Clemens	University of Wuppertal	804	Bioelectromagnetic Fields Computation	Simulation of Inductive Power Transfer Systems Exposing a Human Body with a Coupled Scaled-Frequency Approach	O	Nano Magnetics and Bioelctric Fields	MO07	Monday November 14, 2016
Babak Fahimi	University of Texas at Dallas	313	Bioelectromagnetic Fields Computation	Magneto-Thermal Modeling of Biological Tissues: A Step towards Breast Cancer Detection	O	Bioelectromagnetic Fields Computation	MO07	Monday November 14, 2016
Xiaoyan Huang	Zhejiang University	778	Devices and Applications	Design of a Dual-Stator Superconducting Permanent Magnet Wind Power Generator with Different Rotor Configuration	O	Devices and Applications 2	MO08	Monday November 14, 2016
Zhao Haisen	North China Electric Power University	966	Devices and Applications	Separation of Slip- and High-Frequency Electromagnetic Quantity and its Application in Rotor Loss Fine Analysis of Induction Motor	O	Devices and Applications 2	MO08	Monday November 14, 2016
Alberto Berzoy	Florida International University	1004	Devices and Applications	Impact of Inter-Turn Short-Circuit Location on Induction Machines Parameters through FE Computations	O	Devices and Applications 1	MO08	Monday November 14, 2016
XIAOCHEN ZHANG	Beijing Jiaotong University	405	Devices and Applications	Armature Design of an Ultra-high Speed PM Generator	O	Devices and Applications 2	MO08	Monday November 14, 2016
Yuki Hidaka	Advanced Technology R&D Center, Mitsubishi Electric Corporation	111	Education	Three-Dimensional Shape Optimization of Claw-Pole Motors	O	Device and Applications 2	MO08	Monday November 14, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	581	Wave Propagation	Postprocessing of the Linear Sampling Method in Inverse Electromagnetic Scattering Problem for Obstacles	O	Wave Propagation 1	TO09	Tuesday November 15, 2016
Yasushi KANAI	Niigata Institute of Technology	156	Wave Propagation	Wide-Angle Elimination of TF/SF-Generated Spurious Waves in the Nonstandard-FDTD Technique	O	Wave Propagation 1	TO09	Tuesday November 15, 2016

Werner Renhart	Graz University of Technology/IGTE	739	Wave Propagation	Sparse Grid of Metal Strips Description Implemented into Finite Element Formulation	O	Wave Propagation 1	TO09	Tuesday November 15, 2016
Zsolt Badics	Tensor Research, LLC	306	Wave Propagation	Validation of Numerical Models of Portable Wireless Devices for Near- Field Simulation	O	Wave Propagation	TO09	Tuesday November 15, 2016
Yuki Sakata	Kyoto University	574	Wave Propagation	Optimal Subgrid Connection for Space- Time Finite Integration Technique	O	Wave Propagation 1	TO09	Tuesday November 15, 2016
Yoshifumi OKAMOTO	Hosei University	647	Optimization & Design	Level-set-function-based Topology Optimization Supported by the Method of Moving Asymptotes in a Magnetic Field Problem	O	Optimization and Design 2	TO10	Tuesday November 15, 2016
Mohammad Reza Barzegaran	Lamar University	296	Optimization & Design	Dynamic Wireless Power Charging of Electric Vehicles Using Optimal Placement of Transmitters	O	Optimization and Design 2	TO10	Tuesday November 15, 2016
Seung Beop Lee	Korea Advanced Institute of Science and Technology	379	Optimization & Design	Precise Determination of the Optimal Coil for Wireless Power Transfer Systems through Postprocessing in the Smooth Boundary Representation	O	Optimization and Design 2	TO10	Tuesday November 15, 2016
Shiyou Yang	Zhejiang University	724	Optimization & Design	A Methodology for Topology Optimization Using Genetic Algorithm and its Application to Piezoelectric Energy Harvester Designs	O	Optimization and Design 2	TO10	Tuesday November 15, 2016
Christos Krasopoulos	ICCS - National Technical University of Athens	309	Optimization & Design	Hybrid Multi-Objective Optimization Algorithm for PM Motor Design	O	Optimization and Design 2	TO10	Tuesday November 15, 2016
Narayan Kar	University of Windsor	940	Devices and Applications	3-D Sub-domain Analytical Model to Calculate Magnetic Flux Density in Induction Machines with Semi-closed Slots under No-Load Condition	O	Devices and Applications 3	TO11	Tuesday November 15, 2016
Fabrizio Dughiero	University of Padova - Department of Industrial Engineering	227	Devices and Applications	Handling sensitivity in multiobjective design optimization of MFH inductors	O	Devices and Applications 3	TO11	Tuesday November 15, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	481	Devices and Applications	Analytical Prediction for Electromagnetic Performance of Interior Permanent Magnet Synchronous Machines Based on Subdomain Model	O	Devices and Applications 3	TO11	Tuesday November 15, 2016
xiang liu	GeePs | Group of electrical engineering - Paris, UMR CNRS 8507, CentraleSupÃ©lec, Univ. Paris- Sud, UniversitÃ© Paris-Saclay, Sorbonne UniversitÃ©s, UPMC Univ Paris 06	290	Devices and Applications	Discontinuous Galerkin Time-Domain method for 3D modeling of ground penetrating radar scenarios	O	Devices and Applications 3	TO11	Tuesday November 15, 2016

BENHAMIDA Mohammed Ali	GREAH / Le Havre university	869	Devices and Applications	Slots & Poles combination influence on the vibro-acoustic behavior of axial type flux switching permanent magnet machines	O	Devices and Applications 3	TO11	Tuesday November 15, 2016
Nunzio Salerno	DIEEI - University of Catania	830	Static & Quasi- static Fields	Solution of Open-Boundary Problems by means of the hybrid FEM-GDBCI Method	O	Static and Quasi Static Fields 2	TO12	Tuesday November 15, 2016
Fabio Freschi	Politecnico di Torino	823	Static & Quasi- static Fields	Nonlinear BEM-surface impedance boundary condition formulation for unstructured meshes	O	Static and Quasi Static Fields 2	TO12	Tuesday November 15, 2016
LUCA DI RIENZO	POLITECNICO DI MILANO - DEIB	198	Static & Quasi- static Fields	MOR-based Approach to Uncertainty Quantification in Electrokinetics with Correlated Random Material Parameters	O	Static and Quasi Static Fields 2	TO12	Tuesday November 15, 2016
Christian Kruettgen	RWTH Aachen University, Institute of Electrical Machines, Aachen, Germany	880	Static & Quasi- static Fields	Parametric Homogenized Model for Inclusion of Eddy Currents and Hysteresis in 2-D Finite Element Simulation of Electrical Machines	O	Static and Quasi Static Fields 2	TO12	Tuesday November 15, 2016
Jonathan Bird	UNC Charlotte/ Portland State	128	Static & Quasi- static Fields	Torque Density Comparison of Axial and Radial Halbach Couplings	O	Static and Quasi Static Fields 2	TO12	Tuesday November 15, 2016
So Noguchi	Hokkaido University	267	Optimization & Design	Optimal Configuration Design of MRI REBCO Magnet Taking into Account Superconducting Layer	O	Optimization & Design	TO13	Tuesday November 15, 2016
Xiu Zhang	Tianjin Normal University	672	Optimization & Design	History Based Learning Artificial Bee Colony Algorithm for Electromagnetic Inverse Problems	O	Optimization & Design	TO13	Tuesday November 15, 2016
Antonios Kladas	ICCS-National Technical University of Athens	896	Optimization & Design	Optimal Design of Marine Electric Propulsion Salient Pole Synchronous Motor	O	Optimization and Design 3	TO13	Tuesday November 15, 2016
Erin Kuci	University of Liege	278	Optimization & Design	Shape and Topology Optimization of Electrical Machines using Lie Derivative-Based Analytical Sensitivity Analysis	O	Optimization and Design 3	TO13	Tuesday November 15, 2016
Christian Magele	Graz University of Technology / IGTE	281	Optimization & Design	Enhanced Firefly Algorithm for Optimal Design of a Disk Type Magneto-Rheologic Fluid Clutch	O	Optimization and Design 4	TO13	Tuesday November 15, 2016
Ronghai Qu	Huazhong University of Science & Technology	630	Devices and Applications	Force Ripple Minimization of a Linear Vernier Permanent Magnet Machine for Direct-Drive Servo Applications	O	Devices and Applications 4	TO14	Tuesday November 15, 2016
A. A. S. Mohamed	Florida International University	991	Devices and Applications	Magnetic Design Considerations of Bidirectional Inductive Wireless Power Transfer System for EV Applications	O	Devices and Applications 4	TO14	Tuesday November 15, 2016
Ki Jin Han	Ulsan National Institute of Science and Technology	617	Devices and Applications	Combined Integral Equation Based Circuit Modeling of Interconnections in Electronic Packaging	O	Devices and Applications 4	TO14	Tuesday November 15, 2016

Feliziani Mauro	University of L'Aquila	425	Devices and Applications	Coil Design of a Wireless Power Transfer Charging System for a Drone	O	Devices and Applications 4	TO14	Tuesday November 15, 2016
Vicente Climente- Alarcon	Aalto University	269	Devices and Applications	Simulation of an Induction Motorâ€™s Rotor after Connection	O	Devices and Applications 4	TO14	Tuesday November 15, 2016
Yves Marechal	G2Elab	872	Numerical Techniques	Vector Interpolation on Natural Element Method: Mesh Sensitivity Analysis	O	Numerical Techniques 2	TO15	Tuesday November 15, 2016
Oriano BOTTAUSCIO	IST. NAZ. RICERCA METROLOGICA	426	Numerical Techniques	H-matrix Sparsification Applied to Bioelectromagnetic Analysis of Large Scale Human Models	O	Numerical Techniques 2	TO15	Tuesday November 15, 2016
Renato Cardoso Mesquita	Universidade Federal de Minas Gerais	674	Numerical Techniques	Edge Meshless Method applied to Vector Electromagnetic Problems	O	Numerical Techniques 2	TO15	Tuesday November 15, 2016
Masao Ogino	Nagoya University	693	Numerical Techniques	A Domain Decomposition Method Based on an Algorithm of the MINRES method for High-Frequency Electromagnetic Field Analysis	O	Numerical Techniques 2	TO15	Tuesday November 15, 2016
So Noguchi	Hokkaido University	265	Numerical Techniques	A New Adaptive Mesh Refinement Method in FEA Based on Conservation of Magnetic Field at Interface Between Two Elements	O	Numerical Techniques 2	TO15	Tuesday November 15, 2016
Paolo BETTINI	UniversitÃ di Padova - DII (Department of Industrial Engineering)	419	Static & Quasi- static Fields	A volume integral formulation for solving eddy current problems on polyhedral meshes	O	Static and Quasi Static Fields 3	TO16	Tuesday November 15, 2016
Federico Moro	Dipartimento di Ingegneria Industriale, UniversitÃ di Padova	286	Static & Quasi- static Fields	A 3D Hybrid Cell Method for Induction Heating Problems	O	Static and Quasi Static Fields 3	TO16	Tuesday November 15, 2016
Dennis Giannacopoulo s	McGill University	536	Static & Quasi- static Fields	Solving Finite-Element Time-Domain Problems with GaBP	O	Static and Quasi Static Fields 3	TO16	Tuesday November 15, 2016
Yuki WAKAYAMA	c/o Prof. S. Wakao, Department of Electrical Engineering and BioScience	760	Static & Quasi- static Fields	Development of Local Expansion Edge Element for Magnetic Field Analysis	O	Static and Quasi Static Fields 3	TO16	Tuesday November 15, 2016
Michael Grinfeld	The U.S. Army Research Laboratory	173	Static & Quasi- static Fields	Second Energy Variation in Heterogeneous Systems with Electrostatic and Magnetostatic Interaction	O	Static & Quasi-static Fields	TO16	Tuesday November 15, 2016
Soichiro Ikuno	Tokyo University of Technology	567	Numerical Techniques	Variable Preconditioned Krylov Subspace Method with Communication Avoiding Technique for Electromagnetic Analysis	O	Numerical Techniques 3	WO17	Wednesday November 16, 2016
Sabin Sathyan	Aalto University, Finland	260	Numerical Techniques	Computation of Magnetic Forces Using Degenerated Airgap Element	O	Numerical Techniques 3	WO17	Wednesday November 16, 2016

Marcio Matias	CEFET-MG	671	Numerical Techniques	Hybrid Natural Element â€“ Boundary Element Method Applied to Solve Electromagnetic Scattering Problem	O	Numerical Techniques	WO17	Wednesday November 16, 2016
Rene Plasser	IGTE, TU-Graz	633	Numerical Techniques	Convergence Investigation of Finite Element Fixed-Point Techniques Applied to 3D Nonlinear Periodic Eddy Current Problems Involving Voltage- Driven Coils	O	Numerical Techniques 3	WO17	Wednesday November 16, 2016
Yvonnick Le Menach	University of Lille/L2EP	857	Numerical Techniques	A Guaranteed Equilibrated Error Estimator for the Harmonic A-phi formulation in Eddy Current Problems	O	Numerical Techniques 3	WO17	Wednesday November 16, 2016
Randall Musselman	US Air Force Academy	316	Material Modeling	Simple Resolution to Parameter-Extraction Ambiguities of Inhomogeneous Materials	O	Material Modeling	W018	Wednesday November 16, 2016
Brahim RAMDANE	Univ. Grenoble Alpes, G2Elab	284	Material Modeling	Numerical model for quench calculations in a 10 kA MgB2 superconducting cable	O	Material Modeling 2	WO18	Wednesday November 16, 2016
Floran Martin	Aalto University	638	Material Modeling	Demagnetization field in a uniformly magnetized ellipsoid embedded in an infinite anisotropic media	O	Material Modeling 2	WO18	Wednesday November 16, 2016
Kevin Jacques	University of Liege	474	Material Modeling	Dual Magnetodynamic Finite Element Formulations with Inclusion of an Energy-Based Hysteresis Model	O	Material Modeling 2	WO18	Wednesday November 16, 2016
Shuaibing Wang	North China Electric Power University	335	Coupled Problems	Behavior of the Laminated Core Considering the Special Hysteresis Characteristics under AC-DC Hybrid Magnetization	O	Coupled Problems 2	WO19	Wednesday November 16, 2016
Takorabet	UniversitÃ© de Lorraine - GREEN	710	Coupled Problems	Hybrid Model : Permeance Network + 3D Finite Element for Modeling Claw- Pole Synchronous Machines	O	Coupled Problems 2	WO19	Wednesday November 16, 2016
Anouar Belahcen	Aalto University	873	Coupled Problems	Anisotropic Model for Villari Effect in Non-Oriented Electrical Steel Sheets	O	Coupled Problems 2	WO19	Wednesday November 16, 2016
Alexandre Halbach	University of LiÃ¨ge	468	Coupled Problems	Multiharmonic Resolution of Nonlinearly Coupled Electrovibromechanical Systems using Domain Decomposition	O	Coupled Problems 2	WO19	Wednesday November 16, 2016
Vaclav Kotlan	University of West Bohemia	558	Coupled Problems	Modeling of Selected 3D Electroheat Coupled Problems with Time-Varying Geometries	O	Coupled Problems 2	WO19	Wednesday November 16, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	482	Devices and Applications	Design and Analysis of Magnetic Geared Permanent Magnet Machine considering Loss Reduction	O	Devices and Applications 5	WO20	Wednesday November 16, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	393	Devices and Applications	A Novel Double-Rotor Parallel Hybrid-Excitation Machine for Electric Vehicle Propulsion	O	Devices and Applications 5	WO20	Wednesday November 16, 2016

Wenliang Zhao	Shandong University	918	Devices and Applications	Optimal Design of a Cost-Effective SPM Motor to Suppress Torque Pulsations Using Multi-Grade Permanent Magnets	O	Devices and Applications 5	WO20	Wednesday November 16, 2016
Ronghai Qu	Huazhong University of Science & Technology	167	Devices and Applications	A Novel Surface Permanent Magnet Vernier Machine with Halbach Array Permanent Magnet in Stator Slot Opening	O	Devices and Applications 5	WO20	Wednesday November 16, 2016
Dan Ionel	University of Kentucky	564	Devices and Applications	Distinguishing the Efficiency Requirements in Motoring and Generating Operations of PM Machines	O	Devices and Applications	WO20	Wednesday November 16, 2016
Andreas Rosskopf	Fraunhofer IISB	762	Coupled Problems	Influence of Varying Bundle Structures on Power Electronic Systems Simulated by a Coupled Approach of FEM and PEEC	O	Coupled Problems	WO21	Wednesday November 16, 2016
A. A. Arkadan	Colorado School of Mines	1001	Coupled Problems	Design Evaluation of Conventional and Toothless Stator Wind Power Axial-Flux PM Generator	O	Coupled Problems	WO21	Wednesday November 16, 2016
Jiajia Chen	Zhejiang University	718	Coupled Problems	A Coupled Circuit-Ambipolar Diffusion Equation Model and its Solution Methodology for Insulated Gate Bipolar Transistors	O	Coupled Problems	WO21	Wednesday November 16, 2016
Kazuhiro Muramatsu	Saga University	904	Devices and Applications	Modeling of Leakage Magnetic Field of Electric Machines Using Blocks with Magnetizations for Design of Magnetically Shielded Room	O	Coupled Problems	WO21	Wednesday November 16, 2016
Bishal Silwal	Aalto University	263	Coupled Problems	Power Balance Approach to Study Electromagnetic Damping in Rotor Dynamics	O	Coupled Problems 3	WO21	Wednesday November 16, 2016
Atsushi Kamitani	Yamagata University	336	Static & Quasi- static Fields	Convergence-Property Improvement of GMRES in Shielding Current Analysis of Cracked Superconducting Film	O	Static and Quasi Static Fields 4	WO22	Wednesday November 16, 2016
Floran Martin	Aalto University	639	Static & Quasi- static Fields	Comparison of Two 2D Finite Element Magneto-Static Formulations for Modeling an Axially Laminated Synchronous Reluctance Machine	O	Static and Quasi Static Fields 4	WO22	Wednesday November 16, 2016
Akira AHAGON	Science Solutions International Laboratory, Inc.	124	Static & Quasi- static Fields	Proposal on A New Type of Second Order Edge Elements in Magnetostatic Field Analysis	O	Static and Quasi Static Fields 4	WO22	Wednesday November 16, 2016
LUCA DI RIENZO	POLITECNICO DI MILANO - DEIB	250	Static & Quasi- static Fields	Post-Processing Magnetic Measurement Data of Accelerator Magnets by the Boundary Element Method	O	Static and Quasi Static Fields 4	WO22	Wednesday November 16, 2016

Brahim RAMDANE	Univ. Grenoble Alpes, G2Elab	590	Static & Quasi- static Fields	3D Volume Integral Formulation Based on Facet Elements for the Computation of AC Losses in Superconductors	O	Static and Quasi Static Fields 4	WO22	Wednesday November 16, 2016
Gebhard Wallinger	Graz University of Technology	553	Numerical Techniques	Comparison of Two Formulations Taking Account of 3D Motion Induced Eddy Currents	O	Numerical Techniques 4	WO23	Wednesday November 16, 2016
Francesco Pizzo	SUN - Second University of Naples	846	Numerical Techniques	Fast Identification Problems in 3D Iron Core Fusion Devices	O	Numerical Techniques 4	WO23	Wednesday November 16, 2016
Wu Jimin	Wuhan University	843	Numerical Techniques	Ionospheric Time-Delay of Satellite Signal Propagation Calculation Based on FDTD Method	O	Numerical Techniques 4	WO23	Wednesday November 16, 2016
Ruth Sabariego	KU Leuven	860	Numerical Techniques	Solving Multirate Partial Differential Equations using hat Finite Element basis functions	O	Numerical Techniques 4	WO23	Wednesday November 16, 2016
Bo He	Ansys	230	Numerical Techniques	Time Decomposition Method for the Transient Simulation of Low- Frequency Electromagnetics	O	Numerical Techniques 4	WO23	Wednesday November 16, 2016
Dong-Hun Kim	Kyungpook National University	220	Optimization & Design	Enriched Performance Measure Approach for Efficient Reliability- Based Electromagnetic Designs	O	Optimization and Design 4	WO24	Wednesday November 16, 2016
Yasushi KANAI	Niigata Institute of Technology	879	Optimization & Design	Waveguide Optimization for Dielectric Media Variation Based on the FDTD Method and the Monge-Kantorovich Mass Transfer Problem	O	Optimization and Design 4	WO24	Wednesday November 16, 2016
Aly Ferreira Flores Filho	Laboratory of Electrical Machines, Energy and Drives, Federal University of Rio Grande do Sul	229	Optimization & Design	Design, Modelling and Optimization of a Pseudo Direct Drive	O	Optimization and Design 4	WO24	Wednesday November 16, 2016
Shiyou Yang	Zhejiang University	458	Optimization & Design	A Wind Driven Optimization Based Methodology for Robust Optimizations of Electromagnetic Devices under Interval Uncertainty	O	Optimization and Design 4	WO24	Wednesday November 16, 2016
Jean de Dieu Nshimiyimana	University of LiÃ¨ge	592	Coupled Problems	Relaxation Methods for Co-simulation of Finite Element and Circuit Solvers	O	Optimization and Design 4	WO24	Wednesday November 16, 2016