IEEE CEFC 2016 Poster Sessions

Corresponding Author Name	Affiliation	Digest No	Category	Paper Title	Type	Session Name	Session No	Presentation Date
Babak Fahimi	University of Texas at Dallas	508	Coupled Problems	Thermal Analysis of Switched Reluctance Motor with Direct In-Winding Cooling System	P	Coupled Problems	MP011	Monday November 14, 2016
JIYOUNG LEE	Dong-A University	688	Coupled Problems	Analysis of the Vibration Characteristics of Coaxial Magnetic Gear	P	Coupled Problems 3	MP011	Monday November 14, 2016
Weili Li	Beijing Jiaotong University	588	Coupled Problems	Influence of Rotor Structure on Field Current and Rotor Electromagnetic Field of Turbine Generator Under Out-of- Phase Synchronization	P	Coupled Problems	MP011	Monday November 14, 2016
Sami Barmada	DESTEC University of Pisa	1002	Coupled Problems	Electromechanical analysis of a new PMs Bearing	P	Coupled Problems	MP011	Monday November 14, 2016
Patrick Y. Du	The Hong Kong Polytechnic University	409	Coupled Problems	Analysis of Transient Magnetic Shielding made by Conductive Plates with a PEEC method	P	Coupled Problems	MP011	Monday November 14, 2016
Weijie Xu	Xi'an Jiaotong University	795	Coupled Problems	Titanium Droplet Formation in Electromagnetic Levitation Melting Process	P	Coupled Problems 1	MP011	Monday November 14, 2016
Pengcheng Zhang	Hebei University of Technology	121	Coupled Problems	Comparative study of metal obstacles variations in disturbing wireless power transmission system	P	Coupled Problems	MP011	Monday November 14, 2016
Takorabet	University de Lorraine - GREEN	794	Coupled Problems	Hybrid Analytical Model Coupling Laplace's Equation and Reluctance Network for Electrical Machines	P	Coupled Problems	MP011	Monday November 14, 2016
Caron Guillaume	University Lille 1 - Laboratoire L2EP	840	Coupled Problems	Numerical Modeling of Steady State of Magnetostatic Problems Coupled with nonlinear Electric Circuit	P	Coupled Problems	MP011	Monday November 14, 2016
Federico Moro	Dipartimento di Ingegneria Industriale, Università di Padova	249	Coupled Problems	A Novel Finite Integration Technique Model for Static and Dynamic Piezoelectric Coupled Problems	P	Coupled Problems	MP011	Monday November 14, 2016
Feliziani Mauro	University of L'Aquila	424	Bio Electromagnetic Field Computations & Nanomagnetics	Induced Effects in a Pacemaker equipped with Wireless Power Transfer Charging System	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Vincenzo Cirimele	Politecnico di Torino	530	Bio Electromagnetic Field Computations & Nanomagnetics	Human exposure assessment in dynamic inductive power transfer for automotive applications	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Charles T. M. Choi	National Chiao Tung University, Dept of Electrical and Computer Engineering	663	Bio Electromagnetic Field Computations & Nanomagnetics	Channel Interaction in Cochlear Implant Acoustic Models	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Antonios Kladas	ICCS-National Technical University of Athens	1003	Bio Electromagnetic Field Computations & Nanomagnetics	Particular Electromagnetic Shielding Analysis of Cables for Electric Vehicle Applications	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Shuai Zhang	Hebei University of Technology	915	Bio Electromagnetic Field Computations & Nanomagnetics	A Forward Solution of Acoustic Inhomogeneity in Magnetoacoustic Tomography with Magnetic Induction Base on GFEM	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Shuai Zhang	Hebei University of Technology	810	Bio Electromagnetic Field Computations & Nanomagnetics	Electrical Impedance Tomography Reconstruction using a Hybrid Variation Regularization Algorithm	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016

Oriano BOTTAUSCIO	IST. NAZ. RICERCA METROLOGICA	203	Bio Electromagnetic Field Computations & Nanomagnetics	Douglas-Gunn Method Applied to Dosimetric Assessment in Magnetic Resonance Imaging	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Stephan Breitkreutz-v. Gamm	Technical University of Munich	262	Bio Electromagnetic Field Computations & Nanomagnetics	Engineering the switching behavior of nanomagnets for logic computation using 3-dimensional modeling and simulation	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Tomohiro TANAKA	Fujitsu Ltd.	266	Bio Electromagnetic Field Computations & Nanomagnetics	Speeding up Micromagnetic Simulation by Energy Minimization with Interpolation of Magnetostatic Field	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Fabio Freschi	Politecnico di Torino	722	Bio Electromagnetic Field Computations & Nanomagnetics	Synthesis of the cooling pathways optimal layout for MRI gradient coils	P	Bio Electromagnetic Field Computations & Nanomagnetics	MP012	Monday November 14, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	483	Devices and Applications	Design and Analysis of Magnetic-Geared Permanent Magnet Motor considering Flux Modulating Iron Structure	P	Devices and Applications	MP021	Monday November 14, 2016
Xiaomei Liu	Southeast University	933	Devices and Applications	A Rotary-Linear Magnetic-Geared Permanent Magnet Machine	P	Devices and Applications	MP021	Monday November 14, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	571	Devices and Applications	Magnetic and Electrical Design Challenges of Inverter-fed Permanent Magnet Synchronous Motors	P	Devices and Applications	MP021	Monday November 14, 2016
Kai Kai Guo	Southeast University	988	Devices and Applications	Novel Design of a Variable Reluctance Permanent Magnet Machine with Bipolar Coil Flux-Linkage	P	Devices and Applications	MP021	Monday November 14, 2016
Yann LE BIHAN	GeePs	928	Devices and Applications	Eddy Current Characterization Using Robust Meta-Heuristic Algorithms for LS-SVM Hyper-Parameters Optimization	P	Devices and Applications	MP021	Monday November 14, 2016
Yongming Xia	Aalborg University	562	Devices and Applications	Bounded-state Magnetic Particle Imaging for Localization of Helical Blood-Vessel Micro-robot by Using Pickup Coils	P	Devices and Applications	MP021	Monday November 14, 2016
Youtong Fang	Zhejiang University	216	Devices and Applications	Magnetic Field Analysis Using an Analytical Method in a Radial Magnetic Bearing	P	Devices and Applications	MP021	Monday November 14, 2016
Youtong Fang	Zhejiang University	439	Devices and Applications	Analytical Modeling of a Novel Vernier Pseudo-Direct- Drive Permanent-Magnet Machine	P	Devices and Applications	MP021	Monday November 14, 2016
Gang-Hyeon Jang	Chungnam National University	606	Devices and Applications	Optimal Design and Torque Analysis Considering Eddy-Current Reduction of Axial-Flux Permanent Magnet Couplings with Halbach Array Based on 3D-FEM	P	Devices and Applications	MP021	Monday November 14, 2016
Dae-Woo Kim	Sungkyunkwan University	651	Devices and Applications	Analysis and Modeling of Variable Flux Memory Motor Using a Lumped Magnetic Circuit Method	P	Devices and Applications	MP021	Monday November 14, 2016
Yanguk Cho	Electric&Electronic Research Division/Korea Marine Equipment Research Institute	726	Devices and Applications	Design and Verification of 200kW Interior Permanent Magnet Synchronous Motor for Ship Propulsion	P	Devices and Applications	MP021	Monday November 14, 2016
Huiqi Li	North China Electric Power University	800	Material Modeling	An Improved Transformerâ€™s Model Considering of Losses and Hysteresis of Core under Different Frequency Sinusoidal Voltage Waveform	P	Material Modeling	MP022	Monday November 14, 2016
Patrick Diez	Infolytica Corp.	532	Material Modeling	Symmetric Invertible B-H Curves Using Piecewise Linear Rationals	P	Material Modeling	MP022	Monday November 14, 2016

Shunya Odawara	Toyota Technological Institute	190	Material Modeling	Numerical Calculation of Magnetic Hysteresis Property Taking into Account Magnetic Anisotropy of Electrical Steel Sheet	P	Material Modeling	MP022	Monday November 14, 2016
Malleron Kevin	L2E, UPMC University Pierre et Marie Curie	292	material Modeling	Finite element modeling of magnetoelectric energy transducers with interdigitated electrodes	P	Material Modeling	MP022	Monday November 14, 2016
Sajid Hussain	McGill University	569	Material Modeling	The Modified Jiles-Atherton Model for the Accurate Prediction of Iron Losses	P	Material Modeling	MP022	Monday November 14, 2016
Shumpei Ito	Kyoto University	759	Material Modeling	The domain structure model including pinning effect based on the statistical distribution function	P	Material Modeling	MP022	Monday November 14, 2016
Weili Li	Beijing Jiaotong University	600	Material Modeling	Research on Rotor Eddy Current Fields and Temperature Fields of High Voltage Solid Rotor PMSM with a Novel Stator Slot Wedge	P	Material Modeling	MP022	Monday November 14, 2016
Weijie Xu	Xi'an Jiaotong University	837	Material Modeling	Modelling of Magnetic Properties in Soft Magnetic Composite Material under Rotational Magnetization	P	Material Modeling	MP022	Monday November 14, 2016
Aly Ferreira Flores Filho	Laboratory of Electrical Machines, Energy and Drives, Federal University of Rio Grande do Sul	177	Material Modeling	A Stochastic Method for Characterization of Soft Magnetic Material with a Damped LC Circuit	P	Material Modeling	MP022	Monday November 14, 2016
Jean Vianei Leite	GRUCAD/EEL/ UFSC	665	Material Modeling	A Simplified Method for Acquisition of the Parameters of Jiles-Atherton Hysteresis Scalar Model Without Use of Derivatives	P	Material Modeling	MP022	Monday November 14, 2016
Vinsard	Université de Lorraine, LEMTA	208	Static & Quasi-static Fields	Eddy Currents in Cusp Shaped Thin Shell	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Zhiguang Cheng	Baoding Tianwei Baobian Electric Co., LTD	150	Static & Quasi-static Fields	Magnetic Loss Modeling inside GO Silicon Steel Laminations Excited by 3-D Harmonic Magnetic Field	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Yanpu Zhao	Ansys Inc	136	Static & Quasi-static Fields	A Novel Formulation with Coulomb Gauge for 3-D Magnetostatic Problems Using Edge Elements	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	685	Static & Quasi-static Fields	Stationary Electro-Thermal Coupling Analysis Considering Dual Finite Element Formulations of Steady Current Field	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Le Menach	University of Lille/L2EP	853	Static & Quasi-static Fields	Nonlinear Lamination Stacks Studied with Harmonic Balance FEM Supplied by Magnetic Flux Arising from PWM	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Wei Dong	Global Energy Interconnection Research Institute	139	Static & Quasi-static Fields	Rated Capacitance Design of a New 1000kV Equipotential Shielding Capacitor Voltage Transformer Under the Interference of Stray Capacitance	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Jennifer Dutiné	University of Wuppertal, Chair of Electromagnetic Theory	496	Static & Quasi-static Fields	A Co-Simulation Scalar-Potential Finite Difference (SPFD) Approach for the Simulation of Human Exposure to Magneto-Quasistatic Fields	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Donglai Wang	North China Electric Power University	535	Static & Quasi-static Fields	3-D Electric Field Computation with Charge Simulation Method around Buildings near HV Transmission Lines	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016

Zoran Andjelic	POLOPT Technologies	116	Static & Quasi-static Fields	Double-Layer BEM for Generic Electrostatics	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	489	Static & Quasi-static Fields	Armature Reaction Field and Inductance Calculations for a Permanent Magnet Linear Synchronous Machine Based on Subdomain Model	P	Static & Quasi-static Fields	MP031	Monday November 14, 2016
Ioannis Rekanos	Aristotle University of Thessaloniki	610	Wave Propagation	FDTD Method for Wave Propagation in Havriliak-Negami Media based on Fractional Derivative Approximation	P	Wave Propagation	MP032	Monday November 14, 2016
Qun, Wu	Harbin Institute of Technology	444	Wave Propagation	Electrically Tunable Array Antenna with Beam Steering from Backfire to Endfire Based on Liquid Crystal Miniaturized Phase Shifter	P	Wave Propagation	MP032	Monday November 14, 2016
Qun, Wu	Harbin Institute of Technology	469	Wave Propagation	A Dual Band CRLH Leaky Wave Antenna with Electrically Steerable Beam Based on Liquid Crystals	P	Wave Propagation	MP032	Monday November 14, 2016
Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	247	Wave Propagation	Acceleration of Reflection in 2D Ray Tracing Based on Image by Binary Space Partitioning	P	Wave Propagation	MP032	Monday November 14, 2016
Ioannis Rekanos	Aristotle University of Thessaloniki	863	Wave Propagation	A Convolutional PML Scheme for the Efficient Modeling of Graphene Structures through the ADE-FDTD Technique	P	Wave Propagation	MP032	Monday November 14, 2016
Elson Silva	Federal University of Minas Gerais - UFMG	594	Wave Propagation	Design of Non-Singular Two-Dimensional Layered Cloaks Mapped from Small Areas	P	Wave Propagation	MP032	Monday November 14, 2016
Matteo Cicuttin	Ecole Nationale des Ponts et Chaussées	752	Wave Propagation	A comparative performance analysis of time-domain formulations for wave propagation problems	P	Wave Propagation	MP032	Monday November 14, 2016
Matteo Cicuttin	Ecole Nationale des Ponts et Chaussées	583	Wave Propagation	A geometric frequency-domain wave propagation formulation for fast convergence of iterative solvers	P	Wave Propagation	MP032	Monday November 14, 2016
Xiaoli XI	Xi'an University of Technology	510	Wave Propagation	Loran-C Ground-wave Propagation Prediction Based on the Calibrated Two-way NAPE Algorithm	P	Wave Propagation	MP032	Monday November 14, 2016
Qun, Wu	Harbin Institute of Technology	274	Wave Propagation	Planar Efficient Metasurface for Vortex Beam Generating and Converging in Microwave Region	P	Wave Propagation	MP032	Monday November 14, 2016
Renato Cardoso Mesquita	Universidade Federal de Minas Gerais	673	Numerical Techniques	Meshless Vector Radial Basis Functions with Weak Forms	P	Numerical Techniques	MP041	Monday November 14, 2016
Christos Antonopoulos	Aristotle University of Thessaloniki - ELKE	900	Numerical Techniques	Polynomial-Chaos Time-Domain Method for Uncertainty Analysis of Axially-Symmetric Structures	P	Numerical Techniques	MP041	Monday November 14, 2016
Victor Mukherjee	Aalto University	365	Numerical Techniques	Force Computation of a Synchronous Reluctance Motor by Model Order Reduction with Constraint Based Uneven Snapshot Matrix	P	Numerical Techniques	MP041	Monday November 14, 2016
Christos Antonopoulos	Aristotle University of Thessaloniki - ELKE	670	Numerical Techniques	E-B Eigenmode Formulation for the Analysis of Lossy and Evanescent Modes in Periodic Structures and Metamaterials	P	Numerical Techniques	MP041	Monday November 14, 2016

Rolf Baltes	Chair of Electromagnetic Theory, Saarland University	255	Numerical Techniques	A Hierarchical Greedy Strategy for Adaptive Model-Order Reduction	P	Numerical Techniques	MP041	Monday November 14, 2016
Pavel Ponomarev	VTT	180	Numerical Techniques	Parallel Performance of Multi-Slice Method for Skewed Electrical Machines	P	Numerical Techniques	MP041	Monday November 14, 2016
Yuki Sato	Hokkaido University	609	Numerical Techniques	Homogenization Method Based on Model Order Reduction for FE Analysis of Multi-turn Coils	P	Numerical Techniques	MP041	Monday November 14, 2016
Kazuhiro Muramatsu	Saga University	596	Numerical Techniques	Fast Non-Linear Magnetic Field Analysis of Inverter-Driven Machines by Applying POD on Linearized Coefficient Matrices	P	Numerical Techniques	MP041	Monday November 14, 2016
Maryam Mehri Dehnavi	Rutgers University	887	Numerical Techniques	Axb: A Compiler for Sparse Direct Solvers	P	Numerical Techniques	MP041	Monday November 14, 2016
URSULA DO CARMO RESENDE RESENDE	CEFET-MG	231	numerical Techniques	Combined Formulation for Meshless-MoM Hybrid Method Applied to 2D Electromagnetic Scattering	P	Numerical Techniques	MP041	Monday November 14, 2016
Ivo Dolezel	Faculty of Electrical Engineering, University of West Bohemia in Pilsen	793	Optimization & Design	Robust Magnetic Flux-based Fault Detection of Electromagnetic Valve Operation under Uncertainty	P	Optimization & Design	MP042	Monday November 14, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	565	Optimization & Design	Surrogate-based MOEA/D for Electric Motor Design with Scarce Function Evaluations	P	Optimization & Design	MP042	Monday November 14, 2016
Mohammad Reza Barzegaran	Lamar University	300	Optimization & Design	Wireless Power Transfer for Electric Vehicle using an Adaptive Robot	P	Optimization & Design	MP042	Monday November 14, 2016
Sang-Yong Jung	SungKyunKwan University	476	Optimization & Design	Distance based Intelligent Particle Swarm Optimization for Optimal Design of Permanent Magnet Synchronous Machine	P	Optimization and Design 3	MP042	Monday November 14, 2016
Dae-Woo Kim	Sungkyunkwan University	965	Optimization & Design	Genetic Algorithm Adopting Building Block Identification	P	Optimization and Design 3	MP042	Monday November 14, 2016
Yuki Hidaka	Advanced Technology R&D Center, Mitsubishi Electric Corporation	117	Optimization & Design	Topology Optimization of Rotating Machine Rotors Considering Localized Magnetic Degradation Caused in Manufacturing Process	P	Optimization & Design	MP042	Monday November 14, 2016
Leandro dos Santos Coelho	Pontifical Catholic University of Parana	276	Optimization & Design	Multi-objective Symbiotic Search Algorithm Approaches for Electromagnetic Optimization	P	Optimization & Design	MP042	Monday November 14, 2016
Chang-Seop Koh	Chungbuk National University	495	Optimization & Design	Differential Evolution Using Adaptive Mutation Scaling Factor for Multi-Objective Electromagnetic Constrained Optimization Problems	P	Optimization & Design	MP042	Monday November 14, 2016
Xiaoyan Huang	Zhejiang University	233	Optimization & Design	Design and Analysis of A Outer-Rotor Permanent-Magnet Flux-Modulated Motor for Electric Vehicles	P	Optimization & Design	MP042	Monday November 14, 2016
Chang-Seop Koh	Chungbuk National University	551	Optimization & Design	A Novel Reliability-Based Optimal Design of Electromagnetic Devices Based on Adaptive Dynamic Taylor Kriging	P	Optimization & Design	MP042	Monday November 14, 2016

Jong Suk Lim	Hanyang University	345	Devices and Applications	A Study on the Torque Control of IPMSM through Coupled- analysis Methods	P	Devices and Applications	MP051	Monday November 14, 2016
Weijie Xu	Xi'an Jiaotong University	689	Devices and Applications	Mitosis Interference of K-Ras Driven Lung Cancer Cells by Magnetic Stimulation	P	Devices and Applications	MP051	Monday November 14, 2016
Weijie Xu	Xi'an Jiaotong University	687	Devices and Applications	Stress-based Variable Phase-shifting Reactor for the Multi- phase Rectifier System	P	Devices and Applications	MP051	Monday November 14, 2016
Wenliang Zhao	Shandong University	811	Devices and Applications	Design and Analysis of a Novel PM-Assisted Synchronous Reluctance Machine with Axially Integrated Magnets by Finite Element Method	P	Devices and Applications	MP051	Monday November 14, 2016
Virginie MAJCHRZAK	Université d'Artois	506	Devices and Applications	Coupling Transformer Operation of a Dynamic Voltage Restorer Under Electrical Grid Conditions	P	Devices and Applications	MP051	Monday November 14, 2016
KYOUNG JIN JOO	Hanyang University	322	Devices and Applications	Robust Speed Sensorless Control to Estimated Error for PMa-SynRM	P	Devices and Applications	MP051	Monday November 14, 2016
Felipe Gonzalez-Montañez	UNAM	238	Devices and Applications	Modeling of Magnetic Levitation Systems Using Finite Elements and an Analytical Solution	P	Devices and Applications	MP051	Monday November 14, 2016
Shuai Zhang	Hebei University of Technology	324	Devices and Applications	Design and Realization of a Current Sensor for Impulse Current Waveform Measurement	P	Devices and Applications	MP051	Monday November 14, 2016
Hui Min Kim	Pusan National University	340	Devices and Applications	Effects of the Induced Magnetic Field on the Defect Signals in RFECT System for Pipeline Inspection	P	Devices and Applications	MP051	Monday November 14, 2016
Chang-Wan Ha	KIMM	471	Devices and Applications	Analysis and Control of Electromagnetic Coupling Effect of Levitation and Guidance Systems for Semi-High-Speed Maglev Train Considering Current Direction	P	Devices and Applications	MP051	Monday November 14, 2016
José Geraldo Peixoto de Faria	Departamento de Física e Matemática - CEFET/MG	890	Static & Quasi-static Fields	Effect of local support configuration on the precision of numerical solutions of Poisson equation obtained with differential quadrature method	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Alessandro Formisano	Dept. of Industrial and Inform. Engin. Seconda Università di Napoli	884	Static & Quasi-static Fields	A Fast, Semi-Analytical Method for Field Computation in Presence of Magnetic and Conductive Materials	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Junji Kitao	Doshisha Univ., Mitsubishi Electric Corp. / Japan	485	Static & Quasi-static Fields	Steady-State Analysis of Hysteretic Magnetic Field Problems Using Parallel TP-EEC Method	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Kengo Sugahara	Kindai University	122	Static & Quasi-static Fields	Improvised Asymptotic Boundary Conditions for Quasi- Static Magnetic-Field Problems in Ellipsoidal Domains	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
MEUNIER	CNRS, G2Elab, Université de Grenoble	343	Static & Quasi-static Fields	General Integral Formulation of Magnetic Flux Computation and its Application in Inductive Power Transfer System	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Guillaume Parent	Université d'Artois	582	Static & Quasi-static Fields	Determination of Flux Tube Portions by Adjunction of Electric or Magnetic Multivalued Equipotential Lines	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016

Patrick Kuo-Peng	Universidade Federal de Santa Catarina	175	Static & Quasi-static Fields	Vector Hysteresis Model Associated to FEM in a Hysteresis Motor Modeling	P	Static and Quasi Static Fields 3	MP052	Monday November 14, 2016
Bernard Kapidani	University of Udine	493	Static & Quasi-static Fields	An arbitrary-order discontinuous skeletal method for solving electrostatics on general polyhedral meshes	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Bai Baodong	Shenyang University of Technology	871	Static & Quasi-static Fields	GPU Acceleration of 3D Eddy Current Losses Calculation in Large Power Transformer	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Paolo BETTINI	UniversitÀ di Padova - DII (Department of Industrial Engineering)	299	Static & Quasi-static Fields	T-Omega formulation for eddy current problems with periodic boundary conditions	P	Static & Quasi-static Fields	MP052	Monday November 14, 2016
Atsushi YAO	Toyota Technological Institute	542	Numerical Techniques	Magnetic Multi-Scale Problem of Equivalent Electromagnetic Material Constants for Local Eddy Current Flow	P	Numerical Techniques	MP061	Monday November 14, 2016
Yanpu Zhao	Ansys Inc	137	Numerical Techniques	A Novel Iterative Linear Solver for 3-D Magnetostatic Problems Using Edge Elements	P	Numerical Techniques	MP061	Monday November 14, 2016
Juettner	University of Stuttgart, Institute for Theory of Electrical Engineering	211	Numerical Techniques	A Neural Network based Recommendation System for Solvers and Preconditioners for Systems of Linear Equations	P	Numerical Techniques	MP061	Monday November 14, 2016
Yuki Sato	Hokkaido University	597	Numerical Techniques	Synthesis of Cauer-Equivalent Circuit Based on Model Order Reduction Considering Nonlinear Magnetic Property	P	Numerical Techniques	MP061	Monday November 14, 2016
Al Eit Moustafa	GeePs laboratory	214	Numerical Techniques	2D Finite Element Model Reduction for Copper Losses Calculation in Switched Reluctance Machines	P	Numerical Techniques	MP061	Monday November 14, 2016
Martin Eller	CST AG	285	Numerical Techniques	A Reduced Basis Approach for Broadband Maxwell Simulations	P	Numerical Techniques	MP061	Monday November 14, 2016
Lauri PerkkiÄ¶	Aalto University, School of Electrical Engineering	559	Numerical Techniques	Iron Loss Measurement as Inverse Heat Source Problem	P	Numerical Techniques	MP061	Monday November 14, 2016
Ruth Sabariego	KU Leuven	749	Numerical Techniques	Eddy-current-effect Homogenization of Windings in Harmonic Balance Finite Element Models	P	Numerical Techniques	MP061	Monday November 14, 2016
Elson Silva	Federal University of Minas Gerais - UFMG	675	Numerical Techniques	An h-Adaptive Natural Element Method To Solve Static Electromagnetic Problems	P	Numerical Techniques	MP061	Monday November 14, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	572	Numerical Techniques	A Computational-analytical Approach to Efficiently Locate Optimum Objective Spaces of Permanent Magnet Motors in Transient, Rated and Flux Weakening Operations	P	Numerical Techniques	MP061	Monday November 14, 2016
Huai cong Liu	Hanyang University	882	Optimization & Design	Bubbles and Blisters Impact on Die-Casting Cage to the Designs and Operations of Line-Start Synchronous Reluctance Motors	P	Optimization & Design	MP062	Monday November 14, 2016
Jan Sykulski	University of Southampton	555	Optimization & Design	A kriging based optimization approach for large datasets	P	Optimization & Design	MP062	Monday November 14, 2016

Dan-Ping Xu	School of Mechanical Engineering, Pusan National University	969	Optimization & Design	Analysis of Electro-Magnetic Circuit Variables' Effects on Total Harmonic Distortion in a Balanced Armature Driver	P	Optimization & Design	MP062	Monday November 14, 2016
Hidenori Sasaki	Graduate School of Information Science and Technology, Hokkaido University	158	Optimization & Design	Regularized Topology Optimization of IPM Motors and Post-Processing for Interpretation of Optimal Solutions	P	Optimization & Design	MP062	Monday November 14, 2016
Kai Kai Guo	Southeast University	691	Optimization & Design	3D Magnetic Field Analytical Calculation of Flux Reversal Linear-Rotary Permanent Magnet Actuator	P	Optimization & Design	MP062	Monday November 14, 2016
Piergiorgio Alotto	Università di Padova, Dip. Ing. Industriale	668	Optimization & Design	Multiobjective Cross Entropy for Electromagnetic Optimization	P	Optimization & Design	MP062	Monday November 14, 2016
Dae-Woo Kim	Sungkyunkwan University	774	Optimization & Design	Multi-Simplex Algorithm Applied to FEM based Optimal Design of Electric Machine	P	Optimization & Design	MP062	Monday November 14, 2016
Jiaxin Yuan	Wuhan University	653	Optimization & Design	Optimal Gear Capacity Design of 380V/30kVar Superconducting Controllable Reactor Based on ANSYS- Immune Algorithm	P	Optimization & Design	MP062	Monday November 14, 2016
KYOUNG JIN JOO	Hanyang University	875	Optimization & Design	Design of Equivalent Magnetic Circuit and Parameter Analysis for Improving Performance of Fuel Injections	P	Optimization & Design	MP062	Monday November 14, 2016
Abla Hariri	Florida International University	993	Optimization & Design	An Integrated Characterization Model for the Magnetic Design of an EV Charger's Circular Wireless Power Transfer Pads	P	Optimization & Design	MP062	Monday November 14, 2016
Gan Zhang	School of Electrical Engineering, Southeast University	410	Devices and Applications	An Improved Configuration for Cogging Torque Reduction in Flux-Reversal Permanent Magnet Machines	P	Devices and Applications	MP071	Monday November 14, 2016
Ermanno Cardelli	University of Perugia	784	Devices and Applications	Modeling of Inductive Blocking Devices for the Mitigation of Indirect Lightning Effects	P	Devices and Applications	MP071	Monday November 14, 2016
Wei Xu	Huazhong University of Science and Technology	783	Devices and Applications	Model Predictive Control for Linear Induction Machines With Less Computational Burden	P	Devices and Applications	MP071	Monday November 14, 2016
Kai Kai Guo	Southeast University	980	Devices and Applications	On-Load Magnetization Characteristic Analysis of a Novel Partitioned Stator Hybrid Magnet Memory Machine	P	Devices and Applications	MP071	Monday November 14, 2016
Yann LE BIHAN	GeePs	929	Devices and Applications	Cracks Characterization of Non-Ferromagnetic Material Using EMAT Transducer and TLBO Algorithm	P	Devices and Applications	MP071	Monday November 14, 2016
Jasmin Smajic	University of Applied Sciences Rapperswil HSR	614	Devices and Applications	Computational and experimental investigation of distribution transformers under Differential and Common Mode transient conditions	P	Devices and Applications	MP071	Monday November 14, 2016
FUZHEN XING	HANYANG UNIVERSITY	856	Devices and Applications	Design of a Novel Rotor Structure for PM-Assisted Synchronous Reluctance Machines to Improve Torque Characteristics	P	Devices and Applications	MP071	Monday November 14, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	504	Devices and Applications	Influence of Rotor Structure on End Effects of High-Speed Permanent Magnet Synchronous Generator Using 3-D Finite Element Analysis	P	Devices and Applications	MP071	Monday November 14, 2016

Jiaxin Yuan	Wuhan University	736	Devices and Applications	Investigation on a Modified Hybrid Compact Saturated-core Fault Current Limiter Based on Permanent Magnets	P	Devices and Applications	MP071	Monday November 14, 2016
Wenliang Zhao	Shandong University	786	Devices and Applications	Optimal Design of a Spoke-type Permanent Magnet Motor with Phase-group Concentrated-coil Windings to Minimize Torque Pulsations	P	Devices and Applications	MP071	Monday November 14, 2016
Zhizhen Liu	Shandong University, School of Electrical Engineering	383	Coupled Problems	Optimization of Magnetic Core Structure for Wireless Charging Coupler	P	Coupled Problems	MP072	Monday November 14, 2016
Babak Fahimi	University of Texas at Dallas	311	Coupled Problems	2D Simulation of Magnetic Field Generation by Pulsating AC Voltage in Cold Plasma Chamber	P	Coupled Problems	MP072	Monday November 14, 2016
Han-Kyeol Yeo	Seoul National University	543	Coupled Problems	Coupled Electromagnetic-Thermal Analysis of a Surface- Mounted Permanent-Magnet Motor with Overhang Structure	P	Coupled Problems	MP072	Monday November 14, 2016
Dongwon Yun	Korea Institute of Machinery & Materials (KIMM)	279	Coupled Problems	Analysis on Small Particles Heating Using Electromagnetic Excitation	P	Coupled Problems	MP072	Monday November 14, 2016
Joao Pedro Bastos	Univ. Fed. Santa Catarina	886	Coupled Problems	On-line Evaluation of Power Transformer Temperatures Using Magnetic and Thermodynamics Numerical Modeling	P	Coupled Problems	MP072	Monday November 14, 2016
Devi Geetha Nair	Aalto University	259	Coupled Problems	Inverse Thermal Modelling to Determine Power Losses in Induction Motor	P	Coupled Problems	MP072	Monday November 14, 2016
Rafael Escarela- Perez	Universidad Autónoma Metropolitana -- Azcapotzalco	304	Coupled Problems	Quasi-3D Finite Element Modeling of a Power Transformer	P	Coupled Problems	MP072	Monday November 14, 2016
Xian Zhang	Tianjin Polytechnic University	636	Coupled Problems	Cooperative Operating Mode Featuring Tight-Strong Coupling for Wireless Power Transmission	P	Coupled Problems	MP072	Monday November 14, 2016
Lihua Zhu	Tianjin Polytechnic University	320	Coupled Problems	Electromagnetic Vibration of Saturable Reactor Considering Magnetostriction and Damping Effect	P	Coupled Problems	MP072	Monday November 14, 2016
Takeo Ishikawa	Gunma University	363	Optimization & Design	Topology Optimization Method for Unsymmetrical Rotor Using Cluster and Cleaning Procedure	P	Optimization & Design	MP081	Monday November 14, 2016
Nunzio Salerno	DIEEI - University of Catania	832	Optimization & Design	Microwave imaging by means of Contrast Source Inversion Method and FEM-DBCI Method	P	Optimization & Design	MP081	Monday November 14, 2016
Pavel Karban	Department of Theory of Electrical Engineering	701	Optimization & Design	Utilization of Advanced Optimization and Penalization Techniques for Calibration of Numerical Models	P	Optimization & Design	MP081	Monday November 14, 2016
NGUYEN Thu Trang	Laboratoire d'Electrotechnique et d'Electronique de Puissance	989	Optimization & Design	Global sensitivity analysis applied to an hydrogenerator	P	Optimization & Design	MP081	Monday November 14, 2016
An Siguang	China Jiliang Uinversity	461	Optimization & Design	Incorporating Light Beam Search in a Vector Normal Boundary Intersection Method for Multiobjective Inverse Problem	P	Optimization & Design	MP081	Monday November 14, 2016

Shuai Zhang	Hebei University of Technology	467	Optimization & Design	Design and Development of a Current Sensor with Temperature Stability and High Resolution	P	Optimization & Design	MP081	Monday November 14, 2016
Oriol Puigdellivol	L2EP	770	Optimization & Design	Multiphysics Topology Optimization for Laminated Busbars	P	Optimization & Design	MP081	Monday November 14, 2016
Sang-Yong Jung	SungKyunKwan University	792	Optimization & Design	Principal Component Optimization with Mesh Adaptive Direct Search for Optimal Design of Permanent Magnet Synchronous Machine	P	Optimization & Design	MP081	Monday November 14, 2016
Sang-Yong Jung	SungKyunKwan University	608	Optimization & Design	Optimal Design and Validation of IPMSM for Maximum Efficiency Distribution compatible to Energy Consumption Areas of HD-EV	P	Optimization & Design	MP081	Monday November 14, 2016
Dennis Giannacopoulos	McGill University	537	Optimization & Design	GPU Optimization and Implementation of Gaussian Belief Propagation Algorithm	P	Optimization & Design	MP081	Monday November 14, 2016
Yanhui Gao	Saga University	560	Devices and Applications	Simple L and T Shaped Butt Joints Composed of Anisotropic and Isotropic Block Cores in Three-Phase Reactor	P	Devices and Applications	MP082	Monday November 14, 2016
Han-Kyeol Yeo	Seoul National University	779	Devices and Applications	Field Reconstruction Method in Axial Flux Permanent Magnet Motor with Overhang Structure	P	Devices and Applications	MP082	Monday November 14, 2016
Yongming Xia	Aalborg University	163	Devices and Applications	3D Magnetic-Resonance-Coupling (MRC) Localization of Wireless Capsule Endoscopy	P	Devices and Applications	MP082	Monday November 14, 2016
Yann LE BIHAN	GeePs	902	Devices and Applications	Model-Based Eddy Current Determination of the Electrical Conductivity of Semiconductors	P	Devices and Applications	MP082	Monday November 14, 2016
Eshaan Ghosh	University of Windsor	955	Devices and Applications	Online Parameter Estimation and Loss Calculation using Duplex Neural - Lumped Parameter Thermal Network for Faulty Induction Motor	P	Devices and Applications	MP082	Monday November 14, 2016
Xiao Liu	Hunan University	225	Devices and Applications	Transient Analysis of a Coaxial Magnetic Gear Based on Analytical Model	P	Devices and Applications	MP082	Monday November 14, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	704	Devices and Applications	Design Optimization and Comparative Study of Novel Magnetic- Geared Permanent Magnet Machines	P	Devices and Applications	MP082	Monday November 14, 2016
Tae-Kyoung, Bang	Chungnam National University	605	Devices and Applications	Comparison of Characteristic of a Double-sided Permanent Magnet Linear Synchronous Generator According to Magnetization Pattern	P	Devices and Applications	MP082	Monday November 14, 2016
Wang Dao-Han	Shandong University	652	Devices and Applications	Design Characteristics and Analysis of High Power Density Tubular Linear Switch Reluctance Generator for Direct Drive WEC	P	Devices and Applications	MP082	Monday November 14, 2016
Lei Huang	Southeast University	715	Devices and Applications	Research on a direct-drive wave energy converter using Outer-PM linear tubular generator	P	Devices and Applications	MP082	Monday November 14, 2016
Ho-Jin An	KOMERI	734	Devices and Applications	Rotor Design Optimization for Performance Improvement of IPM Motor	P	Devices and Applications	MP082	Monday November 14, 2016

Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	443	Coupled Problems	Transient Electro-Thermal Coupling Analysis in Through- Silicon-Via Using Proper Orthogonal Decomposition	P	Coupled Problems 3	TP011	Tuesday November 15, 2016
Ruohan Gong	Electrical engineering school of Wuhan university	406	Coupled Problems	3-D coupled electromagnetic-fluid-thermal analysis of 220kV three-phase three-limb transformer under DC bias	P	Coupled Problems	TP011	Tuesday November 15, 2016
Baocheng Guo	School of Electrical Engineering, Southeast University	618	Coupled Problems	Analytical Modeling of Manufacturing Imperfections in Double Rotor Axial Flux PM Machines: Effects on Back EMF	P	Coupled Problems	TP011	Tuesday November 15, 2016
Huai cong Liu	Hanyang University	947	Coupled Problems	Optimal Rotor Structure Design of Claw-pole alternator for Performance Improving Using Static 3D FEM Coupled- Circuit Model	P	Coupled Problems	TP011	Tuesday November 15, 2016
Jun-Kyu Park	School of Electrical Engineering, University of Ulsan	847	Coupled Problems	Reduction Method Based on Looped Slot Wedges for End to End Shaft Voltage in Inverter Driven IPM Motor	P	Coupled Problems	TP011	Tuesday November 15, 2016
Babak Fahimi	University of Texas at Dallas	187	Coupled Problems	Performance Improvement and Comparison of Concentrated Winding Segmental Rotor and Double Stator Switched Reluctance Machines	P	Coupled Problems	TP011	Tuesday November 15, 2016
Kenta Mitsufuji	Osaka-University	120	Coupled Problems	A Ferrofluid Motion Analysis with Particle Method and Magnetic Moment Method	P	Coupled Problems	TP011	Tuesday November 15, 2016
Choi, Hong Soon	Department of Electrical Engineering, Kyungpook National University	351	Coupled Problems	Torque Computation of Nonmagnetic Rotor Submerged in Ferrofluid by Multi-physics Approach	P	Coupled Problems	TP011	Tuesday November 15, 2016
Costin Ifrim	FMC Technologies Inc.	917	Coupled Problems	Multiphysics Model of Electromagnetically Induced Chemical Reactions in a Mono-Ethylene Glycol Filled Gap of a Permanent Magnet Motors	P	Coupled Problems	TP011	Tuesday November 15, 2016
Baocheng Guo	School of Electrical Engineering, Southeast University	619	Coupled Problems	Electromagnetic-Thermal Modeling of an Axial Flux PM machine by using Maxwellâ€™s Equations and Lumped Models	P	Coupled Problems	TP011	Tuesday November 15, 2016
Jinhua Du	Xi'an Jiaotong University	395	Devices and Applications	Optimal Force Ripple Design of Mutually Coupled Linear Switched Reluctance Machines with Transverse Flux by Taguchi Method	P	Devices and Applications	TP012	Tuesday November 15, 2016
Gan Zhang	School of Electrical Engineering, Southeast University	703	Devices and Applications	Analysis and Optimization of Back-EMF Waveform of a Novel Outer-Rotor-Permanent-Magnet-Flux-Switching Machine	P	Devices and Applications	TP012	Tuesday November 15, 2016
Dong Woo Kang	Keimyung University	373	Devices and Applications	Optimal Rotor Design of an 150kW-Class IPMSM Through the 3D Voltage-Inductance Map Analysis Method	P	Devices and Applications	TP012	Tuesday November 15, 2016
Jeong Geochul	Hanyang University	375	Devices and Applications	Design of High-end SynRM Based on 3D Printing Technology	P	Devices and Applications	TP012	Tuesday November 15, 2016
Ki-Chan	Hanbat National University	452	Devices and Applications	Characteristic Analysis due to Temperature Rise of the Interior Permanent Magnet Synchronous Motor	P	Devices and Applications	TP012	Tuesday November 15, 2016
Jae myung cha	Hyundai Hevay Industries co., ltd	188	Devices and Applications	Equivalent core length consideration of synchronous motor with radial air-ducts by using 3D electromagnetic finite element method	P	Devices and Applications	TP012	Tuesday November 15, 2016

Jang-Young Choi	Chungnam Nat'l Univ.	620	Devices and Applications	Design and Analysis of a Linear Oscillatory Single-phase Permanent Magnet Generator for Free-piston Stirling Engine Systems	P	Devices and Applications	TP012	Tuesday November 15, 2016
Babak Fahimi	University of Texas at Dallas	445	Coupled Problems	Temperature Estimation of Switched Reluctance Machines Using Thermal Impulse Response Technique	P	Devices and Applications	TP012	Tuesday November 15, 2016
Jeong Geochul	Hanyang University	585	Devices and Applications	A Study on an IPMSM Designed to Secure Rotor Reliability in View of Demagnetization	P	Devices and Applications	TP012	Tuesday November 15, 2016
Jiaxin Yuan	Wuhan University	742	Devices and Applications	Optimization Study of a Novel Small-section Permanent-magnet-biased Fault Current Limiter with Leakage Flux Effect	P	Devices and Applications	TP012	Tuesday November 15, 2016
Ronghai Qu	Huazhong University of Science & Technology	796	Devices and Applications	Flux Barrier Effect of Spoke-Array Magnets in Flux- Modulation Machines	P	Devices and Applications	TP021	Tuesday November 15, 2016
Babak Fahimi	University of Texas at Dallas	533	Devices and Applications	Magnetohydrodynamics in Thermal to Electric Energy Conversion	P	Devices and Applications	TP021	Tuesday November 15, 2016
Alexis Desmoort	University of Mons	627	Devices and Applications	Comparing Partial Element Equivalent Circuit and Finite Element Methods for the Resonant Wireless Power Transfer 3D Modeling	P	Devices and Applications	TP021	Tuesday November 15, 2016
Ronghai Qu	Huazhong University of Science & Technology	629	Devices and Applications	Design and Comparison of Novel Flux Reversal Machines with Large Stator Slot Opening	P	Devices and Applications	TP021	Tuesday November 15, 2016
Byung-il Kwon	Hanyang University	891	Devices and Applications	A Study on Fault-Tolerant Operation of a Two-Phase Permanent Magnet Synchronous Motor Based on Structural Alteration	P	Devices and Applications	TP021	Tuesday November 15, 2016
Susanne Bauer	IGTE, TU GRAZ	709	Devices and Applications	FEM- based Computation of Circuit Parameters for Testing Fast Transients for EMC Problems	P	Devices and Applications	TP021	Tuesday November 15, 2016
Yanliang Xu	Shandong university	357	Devices and Applications	Presentation of E-Core Transverse-Flux Permanent Magnet Linear Motor and Its No-Load Magnetic Field Analysis Based on Schwarzâ€"Christoffel Transformation	P	Devices and Applications	TP021	Tuesday November 15, 2016
Jangho Yun	Hyundai Heavy Industries Co., LTD.	232	Devices and Applications	A Simplified Approach for Predicting the Starting Performance of Induction Machines based on Rotor Design Modification	P	Devices and Applications	TP021	Tuesday November 15, 2016
XIAOCHEN ZHANG	Beijing Jiaotong University	234	Devices and Applications	A Novel Cogging torque reduction method for the Modular Arc-Linear Flux Switching Permanent-Magnet Motor	P	Devices and Applications	TP021	Tuesday November 15, 2016
Paolo BETTINI	UniversitÃ di Padova - DII (Department of Industrial Engineering)	754	Devices and Applications	Model order reduction of large-scale state-space models in fusion machines via Krylov methods	P	Devices and Applications	TP021	Tuesday November 15, 2016
Hajime Igarashi	Graduate School of Information Science, Hokkaido University	741	Static & Quasi-static Fields	Fast Three-Dimensional Analysis of Eddy Currents in Litz Wire Using Integral Equation	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016

Rafael Escarela- Perez	Universidad AutÃ³noma Metropolitana -- Azcapotzalco	433	Static & Quasi-static Fields	An improved time-harmonic 2D eddy current finite element H formulation	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Christopher R. Lashway	Florida International University	986	Static & Quasi-static Fields	A Coupled 3DFE/Electrochemical Model for the Analysis of Voltage Behavior in Batteries under Loading and Charging Conditions	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Yanpu Zhao	Ansys Inc	135	Static & Quasi-static Fields	A Novel Potential Formulation with Coulomb Gauge for 3-D Motional Eddy-current Problems Using Edge Elements	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Zacharie DE GREVE	University of Mons (Electrical Power Engineering Unit)	621	Static & Quasi-static Fields	Full-Wave Correction of Quasi-Static Models Using Finite Element Subproblems: Application to High Frequency Wound Inductors	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Mladen Trlep	University of Maribor, Faculty of Electrical Engineering and Computer Science	586	Static & Quasi-static Fields	Transient Analysis of a Grounding System as Second Order Time-Dependent Nonlinear Problem	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
CHAN YOUNG CHOI	School of Electronic and Electrical Engineering, Sungkyunkwan University	430	Static & Quasi-static Fields	Capacitance Extraction of Current Carrying Conductor Using Surface Charge and Field Energy	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Vincenzo Cirimele	Politecnico di Torino	658	Static & Quasi-static Fields	From the magnetic field measurement to the numerical evaluation of the human exposure	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Kengo Sugahara	Kindai University	348	Static & Quasi-static Fields	Strategic Dual Image Method for Three-dimensional Magnetic Field Problems	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Nathan Ida	The university of akron	202	Static & Quasi-static Fields	Nonlinear Impedance Boundary Condition for Time-domain E-B BEM Formulation	P	Static & Quasi-static Fields	TP022	Tuesday November 15, 2016
Kim Su Hun	Kyungpook National University	927	Coupled Problems	Shape and Dynamic Behavior of Nonmagnetic Material Immersed in Magnetic Nanofluid Due to Magnetic Surface and Body Force Density	P	Coupled Problems	TP031	Tuesday November 15, 2016
Xin Zhang	Tianjin Polytechnic University	130	Coupled Problems	Study on the Insulation Performance Using the Response Surface-Geometric Feature Charge Simulation Method	P	Coupled Problems	TP031	Tuesday November 15, 2016
Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	125	Coupled Problems	Multiphysics Coupling Analysis of TSV by Using Discrete Geometric Method Based on Tonti Diagram	P	Coupled Problems	TP031	Tuesday November 15, 2016
YAMAMOTO Takeshi	Osaka University	729	Coupled Problems	Numerical Analysis of Ion Behavior Considering Charging Effect of a Dielectric Body	P	Coupled Problems	TP031	Tuesday November 15, 2016
Lihua Zhu	Tianjin Polytechnic University	839	Coupled Problems	Magnetically Controlled Saturable Reactor Core Vibration under Practical Working Conditions	P	Coupled Problems	TP031	Tuesday November 15, 2016
TOUDJI Mustapha	UniversitÃ© d'Artois	728	Coupled Problems	Determination of Winding Lumped Parameter Equivalent Circuit by Means of Finite Element Method	P	Coupled Problems	TP031	Tuesday November 15, 2016
Xin Zhang	Tianjin Polytechnic University	206	Coupled Problems	The research of suppressing motor noise and vibration based on negative magnetostrictive effect	P	Coupled Problems	TP031	Tuesday November 15, 2016

Name	Affiliation	#	Topic	Title	P	Topic	Code	Date
Chan Park	Hyundai Heavy Industries	192	Coupled Problems	Structural safety evaluation of the inner conductors in GIB(Gas Insulated Bus) using electromagnetic structural coupled analysis	P	Coupled Problems	TP031	Tuesday November 15, 2016
Maxym Ostrenko	SoftTeam Group	210	Coupled Problems	Transformer Impulse Surges Calculation by FEM Coupled to Circuit	P	Coupled Problems	TP031	Tuesday November 15, 2016
Xiangyu Guan	School of electrical engineering, Wuhan University	110	Coupled Problems	Temperature and Electromagnetic Force Analysis of GIB Plug-in Connector with Different Contact Status under Short Circuit Fault	P	Coupled Problems	TP031	Tuesday November 15, 2016
Bo Zhang	Tsinghua University	807	Static & Quasi-static Fields	Calculation of Ion Flow Field at the Crossing of HVDC Transmission Lines by Method of Characteristics	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Yanpu Zhao	Ansys Inc	133	Static & Quasi-static Fields	A Novel Coulomb Gauged Magnetic Vector Potential Formulation for 3-D Eddy-current Field Analysis Using Edge Elements	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Sahas Bikram Shah	Aalto University	498	Static & Quasi-static Fields	Eddy Current Loss Calculation in Burred Laminated Cores	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Kim Su Hun	Kyungpook National University	524	Static & Quasi-static Fields	Validation of Numerical Analysis for Negative Corona Discharges with Calculation of Trichel Pulse Current	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
MEUNIER	CNRS, G2Elab, Université de Grenoble	883	Static & Quasi-static Fields	Preconditioning of a Low-Frequency Electric Field Integral Equation Formulation with Circuit Coupling using H- matrices	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Vinsard	Université de Lorraine, LEMTA	207	Static & Quasi-static Fields	The breakup of a spherical magnetic beads chain suspended along the magnetic axis of a magnet	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
MEUNIER	CNRS, G2Elab, Université de Grenoble	657	static & Quasi-static Fields	2D Integral Formulations for Nonlinear Magneto-static Field Computation and Rotating Machines Pre-Design	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Ednardo Moreira Rodrigues	Federal University of Cearà	901	Static & Quasi-static Fields	Lightning Incidence Model Based on the Electric Field Gradient: 3D Electrostatic Analyses	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Majd Abdelqader	Queen's University	184	Static & Quasi-static Fields	2-D Quasi-Static Fourier Series Solution for a Single Coil of a Linear Induction Motor	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Weijie Xu	Xi'an Jiaotong University	686	Static & Quasi-static Fields	Simulation Analysis and Design of the Electromagnetic Repulsion Mechanism Based on Finite Element Method	P	Static & Quasi-static Fields	TP032	Tuesday November 15, 2016
Markus Clemens	University of Wuppertal	634	Numerical Techniques	GPU Accelerated Explicit Time Integration Methods for Electro-Quasistatic Fields	P	Numerical Techniques	TP041	Tuesday November 15, 2016
Innocent Niyonzima	TU Darmstadt	898	Numerical Techniques	Investigation of the Time Integration Methods on the Parareal Method for Field Computation of Eddy Currents Problems	P	Numerical Techniques	TP041	Tuesday November 15, 2016
henneron	university Lille1 - L2EP	699	Numerical Techniques	Structure Preserving Model Reduction of Low Frequency Electromagnetic Problem based on POD and DEIM	P	Numerical Techniques	TP041	Tuesday November 15, 2016

Rolf Baltes	Chair of Electromagnetic Theory, Saarland University	258	Numerical Techniques	Compact Time-Domain Models Including Lorentz Materials Based on Reduced-Order Models in the Frequency-Domain	P		Numerical Techniques	TP041	Tuesday November 15, 2016
So Noguchi	Hokkaido University	264	Numerical Techniques	A New Adaptive Meshing Method Using Non-conforming Finite Element Method	P		Numerical Techniques	TP041	Tuesday November 15, 2016
Shuaibing Wang	North China Electric Power University	964	Numerical Techniques	Model Order Reduction for Non-Linear Quasi-Electrostatic Problems	P		Numerical Techniques	TP041	Tuesday November 15, 2016
Se-Hee Lee	Kyungpook National University	960	Numerical Techniques	Finite Element Analysis of Partial Discharge Initiation Voltage Employing Surface Charge Density at the Liquid- Solid Interface	P		Numerical Techniques	TP041	Tuesday November 15, 2016
Raffaele Martone	Department of Industrial and Information Engineering, Seconda Università di Napoli,	438	Numerical Techniques	Impact of field approximations on magnetic field line tracing	P		Numerical Techniques	TP041	Tuesday November 15, 2016
Brahim RAMDANE	Univ. Grenoble Alpes, G2Elab	226	Numerical Techniques	3D Modeling of the Movement of Machine using Mortar Method for Edge Finite Elements of Magnetic Vector Potential Formulation	P		Numerical Techniques	TP041	Tuesday November 15, 2016
MD Rokibul Hasan	KU Leuven - Dept. ESAT	907	Numerical Techniques	POD- versus a physics-based parameterized model-order- reduction technique accounting for movement	P		Numerical Techniques	TP041	Tuesday November 15, 2016
KYOUNG JIN JOO	Hanyang University	972	Devices and Applications	Study on the optimal design of PMa-SynRM loading ratio for achievement of ultra-premium efficiency	P		Devices and Applications	TP042	Tuesday November 15, 2016
Won-Sik	Changwon National University	331	Devices and Applications	The stabilization of cogging torque variation by manufacturing tolerances	P		Devices and Applications	TP042	Tuesday November 15, 2016
Narayan Kar	University of Windsor	914	Devices and Applications	Torque Ripple Minimization for Interior PMSM with Consideration of Magnetic Saturation Incorporating On-line Parameter Identification	P		Devices and Applications	TP042	Tuesday November 15, 2016
Huai cong Liu	Hanyang University	415	Devices and Applications	Design and performance analysis of outer rotor Fan-type PMSM for power density improvement	P		Devices and Applications	TP042	Tuesday November 15, 2016
KYOUNG JIN JOO	Hanyang University	420	Devices and Applications	Quasi-realtime Parameter Tracking Method of the Precise Parameters for IPMSM	P		Devices and Applications	TP042	Tuesday November 15, 2016
Sung Gu Lee	Busan University of Foreign Studies	679	Devices and Applications	A Study on Correcting the Nonlinearity between Stack Length and Back Electromotive Force in Spoke Type Ferrite Magnet Motors	P		Devices and Applications	TP042	Tuesday November 15, 2016
Gan Zhang	School of Electrical Engineering, Southeast University	195	Devices and Applications	Coupled Magnetic-Thermal Fields Analysis of Water Cooling Flux-Switching Permanent Magnet Motors by an Axially Segmented Model	P		Devices and Applications	TP042	Tuesday November 15, 2016
Choi, Hong Soon	Department of Electrical Engineering, Kyungpook National University	217	Devices and Applications	Improvements of Magnetic Binding Forces Between Permanent Magnet Rack and Back Yoke in Large-scale Motors	P		Devices and Applications	TP042	Tuesday November 15, 2016
Cheewoo Lee	Pusan National University	905	Devices and Applications	An Optimal Design Method of Double-Stator Flux-Switching Permanent Magnet Machine Based on Magnetic Equivalent Circuit	P		Devices and Applications	TP042	Tuesday November 15, 2016

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Dongwon Yun	Korea Institute of Machinery & Materials (KIMM)	280	Devices and Applications	Induction Heating of Adhesive for Shoe Manufacturing	P	Devices and Applications	TP042	Tuesday November 15, 2016
Sunghoon Lim	Hanyang University	254	Optimization & Design	Design Optimization of a Magnetic Actuator Incorporating the Concept of the Hybrid Analysis Method	P	Optimization & Design	TP051	Tuesday November 15, 2016
Huiqi Li	North China Electric Power University	777	Optimization & Design	Application of a Hybrid Genetic Algorithm for Optimal Design of Interior Permanent Magnet Synchronous Machines	P	Optimization and Design 2	TP051	Tuesday November 15, 2016
henneron	university Lille1 - L2EP	842	Optimization & Design	Optimization of the TEAM workshop problem 22 using POD-EIM reduced model	P	Optimization & Design	TP051	Tuesday November 15, 2016
Frantisek Mach	University of West Bohemia	801	Optimization & Design	Bayesian Approach to Design Optimization of Electromagnetic Systems under Uncertainty	P	Optimization & Design	TP051	Tuesday November 15, 2016
Shiyou Yang	Zhejiang University	459	Optimization & Design	A Fast Methodology for Topology Optimizations of Electromagnetic Devices	P	Optimization & Design	TP051	Tuesday November 15, 2016
Yanliang Xu	Shandong university	676	Optimization & Design	Kriging Manifold Mapping Technique for Electromagnetic Design Optimization	P	Optimization & Design	TP051	Tuesday November 15, 2016
Ghulam Jawad Sirewal	Hanyang University	943	Optimization & Design	Optimal Design of Brushless Wound Rotor Synchronous Machine for Torque Ripple Reduction	P	Optimization & Design	TP051	Tuesday November 15, 2016
Jung Ho Lee	University of Hanbat National	827	Optimization & Design	Computation on Ratio of Rotor Core and Flux Barrier for Torque Ripple Reduction of 240W ALA-SynRM	P	Optimization & Design	TP051	Tuesday November 15, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	570	Optimization & Design	Finding Optimal Performance Indices of Synchronous AC Motors	P	Optimization & Design	TP051	Tuesday November 15, 2016
Chang-Seop Koh	Chungbuk National University	548	Optimixation and Design	Utilizing Adaptive Dynamic Taylor Kriging Assisted Multi-Objective DE Algorithm for Optimization Design of Electromagnetic Device	P	Optimization & Design	TP051	Tuesday November 15, 2016
Hiroshi Ueda	Okayama University	369	Numerical Techniques	Electromagnetic Analysis on Magnetic Field and Current Distribution in High Temperature Superconducting Thin Tape in Coil Winding	P	Numerical Techniques	TP052	Tuesday November 15, 2016
DO WAN KIM	Inha University	435	Numerical Techniques	Axial Green Function Method for Axisymmetric Electromagnetic Field Computation	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Byungsu Kang	Kyungpook National University	221	Numerical Techniques	Hybrid Reliability Analysis Method for Electromagnetic Design Problems with Non-Gaussian Probabilistic Parameters	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Zsolt Badics	Tensor Research, LLC	222	Numerical Techniques	Modeling of Dense Windings for Resonant Wireless Power Transfer by an Integral Equation Formulation	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Masaki Sakashita	Kyoto University	628	Numerical Techniques	Method for Current/Voltage Post-Correction for Efficient Hysteretic Magnetic Field Analysis	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Ricardo Adriano	Federal University of Minas Gerais	604	Numerical Techniques	Improvement of System Quality in a Generalized Finite Element Method Using Discrete Curvelet Transform	P	Numerical Techniques	TP052	Tuesday November 15, 2016

Bernard Kapidani	University of Udine	667	Numerical Techniques	Topoprocessor: an efficient computational topology toolbox for h-oriented eddy current formulations	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Weijie Xu	Xi'an Jiaotong University	844	Numerical Techniques	Current Distribution Calculation of Superconducting Layer in HTS Cable Considering Magnetic Hysteresis by Using XFEM	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Matthias Juettner	University of Stuttgart, Institute for Theory of Electrical Engineering	212	Numerical Techniques	Coupled Multiphysics Problems as Market Place for Competing Autonomous Software Agents	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Takeshi Mifune	Kyoto University	906	Numerical Techniques	Software Framework for Parallel BEM Analyses with H- matrices	P	Numerical Techniques	TP052	Tuesday November 15, 2016
Huai cong Liu	Hanyang University	866	Optimization & Design	PM Arrangement Design of PM-Assisted Synchronous Reluctance Motors for maximize back-EMF and Cogging Torque Reduction	P	Optimization & Design	TP061	Tuesday November 15, 2016
Yann LE BIHAN	GeePs	632	Optimization & Design	Electromagnetism-like Mechanism Algorithm and Least Square Support Vector Machine for Estimation the Defect in Nondestructive Evaluation	P	Optimization & Design	TP061	Tuesday November 15, 2016
David Lowther	Electrical and Computer Engineering Department, McGill University	644	Optimization & Design	Feature Selection for Facilitation of Evolutionary Multi-Objective Design Optimization: Application to IPM motor Design Problems	P	Optimization & Design	TP061	Tuesday November 15, 2016
Jae-Gil Lee	Seoul National University	946	Optimization & Design	A new Robust Optimization Approach Applied to Permanent Magnet Synchronous Motor	P	Optimization & Design	TP061	Tuesday November 15, 2016
Shiyou Yang	Zhejiang University	462	Optimization & Design	An Improved Quantum Particle Swarm Optimization Applied to Inverse Problem in Electromagnetics	P	Optimization & Design	TP061	Tuesday November 15, 2016
Christos Krasopoulos	ICCS - National Technical University of Athens	308	Optimization & Design	Robust Optimization of High Speed PM Motor Design	P	Optimization & Design	TP061	Tuesday November 15, 2016
James Vedral	US Air Force Academy	317	Optimization & Design	Analysis of Slits in a Perfect-Absorber Element to Reduce Size	P	Optimization & Design	TP061	Tuesday November 15, 2016
Sang-Yong Jung	SungKyunKwan University	788	Optimization & Design	MADS using Cost Patterns Analysis For the Optimal Design of Electric Machine	P	Optimization & Design	TP061	Tuesday November 15, 2016
Kai Kai Guo	Southeast University	692	Optimization & Design	A Nonlinear Dynamic Magnetic Network Model for Flux-Reversal Linear-Rotary Permanent Magnet Actuator Considering Local Saturation	P	Optimization & Design	TP061	Tuesday November 15, 2016
Mohamodhosen Bilquis	Ecole Centrale de Lille	293	Optimization & Design	Topology Optimisation of a 3D Electromagnetic Device using the SIMP Density-Based Method	P	Optimization & Design	TP061	Tuesday November 15, 2016
Youtong Fang	Zhejiang University	197	Static & Quasi-static Fields	Dynamic reluctance mesh modeling and losses evaluation of permanent magnet traction motor	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Xiaoyu Xu	Institute of Microelectronics of Chinese Academy of Sciences	575	Static & Quasi-static Fields	3D Capacitance Computation Using Polygonal Prism Elements through Piecewise Interpolation	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016

Changgeng Zhang	Hebei University of Technology	541	Static & Quasi-static Fields	An Electromagnetic Simulation Method Considering Micro- Eddy- Current Effect	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Weili Li	Beijing Jiaotong University	513	Static & Quasi-static Fields	Stator Temperature Field of Large-Scale Air-cooled Turbine Generator Considering Main Insulation Shelling	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Kyung-Hun Shin	Department of Electrical Engineering, Chungnam National University	490	Static & Quasi-static Fields	Armature Reaction Magnetic Field and Inductance of Tubular Linear Synchronous Machines with Axially Magnetized Permanent Magnets Accounting for Flux- Passing Iron Pole Effect	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Jae-Han Sim	Automotive Engineering, Hanyang University	525	Static & Quasi-static Fields	Analytical Modeling and Experimental Verification of Vehicle Horn Considering Skin Effect Using Coupled Electric and Magnetic Circuits	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
NI Chouwei	North China Electirc power university	941	Static & Quasi-static Fields	Inductance calculation method based on induced voltage	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Jiaxin Yuan	Wuhan University	460	Static & Quasi-static Fields	A Coupled Method for Evaluating Eddy Current Loss of NdFeB Permanent Magnets in a Saturated Core Fault Current Limiter	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Chijie Zhuang	Tsinghua University	534	Static & Quasi-static Fields	Electrical Field Evaluation around Slender Conductors by Collocation Boundary Element Method	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Lei Xu	Southeast University	237	Static & Quasi-static Fields	Analysis of the End Effects in Double Stator Linear-Rotary Permanent Magnet Motor with Long Mover	P	Static & Quasi-static Fields	TP062	Tuesday November 15, 2016
Lei Huang	Southeast University	717	Devices and Applications	Design and Analysis of a Superconducting Induction Magnetic Levitation Device for Hydraulic Turbo-Generator	P	Devices and Applications	TP071	Tuesday November 15, 2016
Chang-Wan Ha	KIMM	472	Devices and Applications	Thrust and Efficiency Analysis of Linear Induction Motors for Semi-High-Speed Maglev Trains Using 2D Finite Element Models	P	Devices and Applications	TP071	Tuesday November 15, 2016
Pavel Ponomarev	VTT	174	Devices and Applications	Multi-Slice 2.5D Modelling and Validation of Skewed Electrical Machines Using Open-Source Tools	P	Devices and Applications	TP071	Tuesday November 15, 2016
Lei Xu	Southeast University	809	Devices and Applications	Design and Analysis of a Hybrid Permanent Magnet Axial Field Flux-Switching Memory Machine	P	Devices and Applications	TP071	Tuesday November 15, 2016
Lei Huang	Southeast University	757	Devices and Applications	Researching Magnetic Suspension for 1000MW Hydraulic Generator Set	P	Devices and Applications	TP071	Tuesday November 15, 2016
Akira Heya	Osaka university	248	Devices and Applications	Dynamic Analysis of a New Three-Degree-of-Freedom Actuator for Image Stabilization	P	Devices and Applications	TP071	Tuesday November 15, 2016
Olivier CHADEBEC	CNRS - Université Grenoble Alpes	761	Devices and Applications	Numerical simulation of inrush currents in single-phase transformers using the Jiles-Atherton model and the finite element method	P	Devices and Applications	TP071	Tuesday November 15, 2016
Xiao Liu	Hunan University	224	Devices and Applications	Magnetic field and thrust analysis of the U-channel air-core permanent magnet linear synchronous motor	P	Devices and Applications	TP071	Tuesday November 15, 2016

Hyun Ho Park	The University of Suwon	160	Devices and Applications	A Simple Equivalent Circuit Model for Shielding Analysis of Magnetic Sheets	P	Devices and Applications	TP071	Tuesday November 15, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	360	Devices and Applications	A Novel Design Method for the Electrical Machines with Biased DC Excitation Flux Linkage	P	Devices and Applications	TP071	Tuesday November 15, 2016
Ronghai Qu	Huazhong University of Science & Technology	611	Devices and Applications	A Novel Doubly Magnetic Geared Permanent Magnet Machine	P	Devices and Applications	TP072	Tuesday November 15, 2016
Yuji Gotoh	Oita University	123	Devices and Applications	Proposal of Electromagnetic Inspection of Opposite Side Defect in Steel using 3-D Nonlinear FEM Taking Account of Minor loop and Residual Magnetization	P	Devices and Applications	TP072	Tuesday November 15, 2016
Wei Xu	Huazhong University of Science and Technology	768	Devices and Applications	Fast Global Terminal Sliding Mode Control Method for Torque Regulation on Disc Coreless Permanent Magnet Synchronous Motor	P	Devices and Applications	TP072	Tuesday November 15, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	394	Devices and Applications	A Novel Coreless Contra-Rotating Axial-Flux Machine for Wind Power Applications	P	Devices and Applications	TP072	Tuesday November 15, 2016
Arnaud BREARD	Ecole Centrale de Lyon	845	Devices and Applications	Comparison of the near field coupling using spherical and spheroidal harmonics	P	Devices and Applications	TP072	Tuesday November 15, 2016
Fabrizio Dughiero	University of Padova - Department of Industrial Engineering	228	Devices and Applications	Analysis of the effect of not-parallel needles in electroporation	P	Devices and Applications	TP072	Tuesday November 15, 2016
Sang-Yong Jung	SungKyunKwan University	973	Devices and Applications	Characteristics Analysis Method of Axial Flux Permanent Magnet Motor based on 2-D Finite Element Analysis	P	Devices and Applications	TP072	Tuesday November 15, 2016
Yuji Gotoh	Oita University	118	Devices and Applications	3D Analysis of Inspection Method of Opposite Side Defect in Steel using AC Square Wave Magnetic Field with DC Bias Taking Account of Minor Loop	P	Devices and Applications	TP072	Tuesday November 15, 2016
Gan Zhang	School of Electrical Engineering, Southeast University	953	Devices and Applications	The Influence of Opening Slots on Stator Surface-Mounted Permanent Magnet Machines	P	Devices and Applications	TP072	Tuesday November 15, 2016
Dan Ionel	University of Kentucky	894	Devices and Applications	Coreless Multidisc Axial Flux PM Machine with Carbon Nanotube Windings	P	Devices and Applications	TP072	Tuesday November 15, 2016
Randall Musselman	US Air Force Academy	315	Optimization & Design	Circular Patch Antenna Size-Reduction Technique	P	Optimization & Design	TP081	Tuesday November 15, 2016
Dong Kyun Woo	Yeungnam University	925	Optimization & Design	Overhang effect in the Axial Flux Permanent Magnet Motor	P	Optimization & Design	TP081	Tuesday November 15, 2016
Walter P. Carpes Jr	Universidade Federal de Santa Catarina	268	Optimization & Design	A Computational System Based on FEM and PSO techniques for Magnetic Field Optimization	P	Optimization & Design	TP081	Tuesday November 15, 2016
Xiaoyan Huang	Zhejiang University	382	Optimization & Design	Design and Optimization of Interior Permanent Magnet Traction Motor for High Speed Train Considering the Short Circuit Current	P	Optimization & Design	TP081	Tuesday November 15, 2016

Change-Seop Hong	Chungbuk National University	707	Optimization & Design	Multi-Objective Optimization of IPMSM with Consideration of Torque Characteristics and Iron Loss	P	Optimization & Design	TP081	Tuesday November 15, 2016
Jung Ho Lee	University of Hanbat National	816	Optimization & Design	Optimum Design and Calculation of d-q Axis Currents for 50kW EV Traction Motor based on Flux-Torque Controller	P	Optimization & Design	TP081	Tuesday November 15, 2016
Dae-Woo Kim	Sungkyunkwan University	877	Optimization & Design	Hybridization Algorithm of Fireworks Optimization and Generating Set Search for Optimal Design of IPMSM	P	Optimization & Design	TP081	Tuesday November 15, 2016
Kyung Choi	Kangwon National University	550	Optimization & Design	A Novel Subregion-Based Multi-dimensional Optimization of Electromagnetic Devices Assisted by Kriging Surrogate Model	P	Optimization & Design	TP081	Tuesday November 15, 2016
YAMAMOTO Takeshi	Osaka University	780	Optimization & Design	Proposed of Novel Linear Oscillating Actuator's Structure using Topology Optimization	P	Optimization & Design	TP081	Tuesday November 15, 2016
KYOUNG JIN JOO	Hanyang University	218	Optimization & Design	Multi-objective Robust Controller Design for Electromagnetic Suspensions via LMI	P	Optimization & Design	TP081	Tuesday November 15, 2016
Kazuki HIRONO	c/o Prof. S. Wakao, Department of Electrical Engineering and BioScience, Waseda University	747	Devices and Applications	Multi-Objective Design Optimization of Primary Core in Induction Heating Roll by Level-set Method	P	Devices and Applications	TP082	Tuesday November 15, 2016
Jian Li	Huazhong University of Science & Technology	272	Devices and Applications	Improved Torque and Flux Weakening Capability for Flux Modulated Machines by Injecting DC Currents into the Armature Windings	P	Devices and Applications	TP082	Tuesday November 15, 2016
DARQUES	Université Lille 1	766	Devices and Applications	An approach to model shaft voltage of wound rotor synchronous machines	P	Devices and Applications	TP082	Tuesday November 15, 2016
Narayan Kar	University of Windsor	963	Devices and Applications	Modeling and Analysis of Carrier Harmonic based Eddy Current Losses in Interior Permanent Magnet Motors	P	Devices and Applications	TP082	Tuesday November 15, 2016
Won-Sik	Changwon National University	328	Devices and Applications	Heat Capacity increasing design of rare earth IPMSM for Temperature Rising Suppression	P	Devices and Applications	TP082	Tuesday November 15, 2016
Yann LE BIHAN	GeePs	910	Devices and Applications	Microwave Characterization Using Partial Least Square Regression	P	Devices and Applications	TP082	Tuesday November 15, 2016
Daekyu Jang	Donga University	354	Devices and Applications	Analysis and Design of Armature Magnetic Field Distribution in Permanent-Magnet Vernier Machines	P	Devices and Applications	TP082	Tuesday November 15, 2016
Yong-Jae Kim	The Department of Electrical Engineering, Chosun University	612	Devices and Applications	Transfer Torque Performance Comparison in Coaxial Magnetic Gears with Different Flux-Modulator Shapes	P	Devices and Applications	TP082	Tuesday November 15, 2016
Zhuoxiang Ren	Sorbonne Universités, UPMC Univ Paris 06	294	Devices and Applications	Effect of Deformations on Carbon-Based Transistors in Ballistic and Partially Ballistic Regimes	P	Devices and Applications	TP082	Tuesday November 15, 2016
Antonios Kladas	ICCS-National Technical University of Athens	540	Devices and Applications	Hybrid Analytical-FEM Methodology for Loss evaluation in Traction Motors for Electric Vehicle Applications	P	Devices and Applications	TP082	Tuesday November 15, 2016
Xiu Zhang	Tianjin Normal University	716	Devices and Applications	A Novel Structure of Metamaterial with High Bandwidth for Wireless Power Transfer Systems	P	Devices and Applications	TP082	Tuesday November 15, 2016

Zhao LI	University de Lyon, AmpÃ¨re (CNRS AMR5005)	858	Devices and Applications	Error analysis for near-field EMC problems based on multipolar expansion approach	P	Devices and Applications	WP011	Wednesday November 16, 2016
Xin Zhang	Tianjin Polytechnic University	246	Devices and Applications	Characteristic Analysis of Acoustic Emission Signals Induced by EMAT	P	Devices and Applications	WP011	Wednesday November 16, 2016
Shuangxia Niu	The Hong Kong Polytechnic University	361	Devices and Applications	A Novel Disc Machine with Axial Biased Flux and Complementary Salient Rotors	P	Devices and Applications	WP011	Wednesday November 16, 2016
Jeong Geochul	Hanyang University	661	Devices and Applications	PMSG design for usage of VTOL UAV in consideration of occurrence of heat according to the change of input current	P	Devices and Applications	WP011	Wednesday November 16, 2016
Xiaomei Liu	Southeast University	643	Devices and Applications	Design and optimization of a field-modulating permanent magnet tubular linear generator for direct-drive wave energy conversion	P	Devices and Applications	WP011	Wednesday November 16, 2016
Jian Li	Huazhong University of Science & Technology	271	Devices and Applications	Comparison of Stator DC Current Excited Vernier Reluctance Machines with Different Field Winding Configurations	P	Devices and Applications	WP011	Wednesday November 16, 2016
Yongming Xia	Aalborg University	563	Devices and Applications	A New Type of Axial-flux Magnetic Lead Screw with Inherent Spring Characteristic	P	Devices and Applications	WP011	Wednesday November 16, 2016
Hyung-Kyu Kim	University of Ulsan	938	Devices and Applications	Characteristics of Irreversible Demagnetization in accordance with Phase Advance Angle in IPM-type BLDC Motor	P	Devices and Applications	WP011	Wednesday November 16, 2016
Seo Kyung Sik	Sungkyunkwan University	407	Devices and Applications	Characteristics of Medium-Frequency Power Apparatus with Thread-Type Magnetic Core	P	Devices and Applications	WP011	Wednesday November 16, 2016
Yong-Jae Kim	The Department of Electrical Engineering, Chosun University	813	Devices and Applications	Study on Power Transmission Method of Dual-Stage Type Magnetic Gear for High Gear Ratio	P	Devices and Applications	WP011	Wednesday November 16, 2016
Dae-Woo Kim	Sungkyunkwan University	956	Optimization & Design	Design Characteristics of IPMSM with Wide Constant Power Speed Range for EV Traction	P	Optimization & Design	WP012	Wednesday November 16, 2016
JungHyung Park	SungKyunKwan University	702	Optimization & Design	Optimal Design of Permanent Magnet Synchronous Motor Considering Magnetic Core Characteristic for High Efficiency	P	Optimization & Design	WP012	Wednesday November 16, 2016
Miss Seokyeon Hong	Chungbuk National University	549	Optimization & Design	Optimal Design of Winding Transposition of Power Transformer using Adaptive Co-Kriging Surrogate Model	P	Optimization & Design	WP012	Wednesday November 16, 2016
Xin Zhang	Tianjin Polytechnic University	321	Optimization & Design	Research on Optimization Algorithm of BP neural network for permanent magnet synchronous motor based on Cloud Computing	P	Optimization & Design	WP012	Wednesday November 16, 2016
Namhee Ryu	Hanyang University	253	Optimization & Design	Multi-objective Optimization of Magnetic Actuator Design Using Adaptive Weight Determination Scheme	P	Optimization & Design	WP012	Wednesday November 16, 2016
Pavlos Lazaridis	University of Huddersfield	283	Optimization & Design	Exponential Log-Periodic Antenna Design Using Improved Particle Swarm Optimization with Velocity Mutation	P	Optimization & Design	WP012	Wednesday November 16, 2016

Shiyou Yang	Zhejiang University	721	Optimization & Design	A Particle Swarm Optimization Method Applied to Global Optimization of Inverse Problem	P	Optimization & Design	WP012	Wednesday November 16, 2016
Jiaxin Yuan	Wuhan University	517	Optimization & Design	Effect of Magnetic-valve Distribution on Reactance of Magnetic Controlled Reactor	P	Optimization & Design	WP012	Wednesday November 16, 2016
Seung-ho, Yang	Osaka University	377	Optimization & Design	Impedance Linearity of Contactless Magnetic Type Position Sensor	P	Optimization & Design	WP012	Wednesday November 16, 2016
Jean BIGEON	INPG SA	970	Optimization & Design	HBA-1: A Hybrid Bi-Objective Optimizer for Black-Box Problems	P	Optimization & Design	WP012	Wednesday November 16, 2016
Maxime Tousignant	Polytechnique Montreal	561	Material Modeling	Identification of the Preisach Model Parameters Using Only The Major Hysteresis Loop and The Initial Magnetization Curve	P	Material Modeling	WP021	Wednesday November 16, 2016
Goran Eriksson	ABB AB, Corporate Research	587	Material Modeling	Performance of a Nonlinear Surface Impedance Boundary Condition for Conducting Magnetic Materials Exposed to Inhomogeneous and Nonharmonic External Fields	P	Material Modeling	WP021	Wednesday November 16, 2016
Yanhui Gao	Saga University	738	Material Modeling	Comparison of Hysteresis Modeling Methods Using Play Model and Free Energy Model	P	Material Modeling	WP021	Wednesday November 16, 2016
Kenichi Terashima	Fukushima university	984	Material Modeling	Application of Monte Carlo method for magnetic clusters introduced thermal distributions	P	Material Modeling	WP021	Wednesday November 16, 2016
Weijie Xu	Xi'an Jiaotong University	831	Material Modeling	A Temperature-dependent Hysteresis Model for Soft Ferrites Based on a Vectorial Elemental Operator	P	Material Modeling	WP021	Wednesday November 16, 2016
Laurent DANIEL	GeePs-CentraleSupelec	888	Material Modeling	Eddy Current Inspection of a ferromagnetic Material, Effect of a biaxial Stress State	P	Material Modeling	WP021	Wednesday November 16, 2016
Jean Vianei Leite	GRUCAD/EEL/ UFSC	662	Material Modeling	A New Method for Parameters Obtaining of Jiles-Atherton Hysteresis Scalar Model	P	Material Modeling	WP021	Wednesday November 16, 2016
Changgeng Zhang	Hebei University of Technology	199	Material Modeling	Measurement and Modeling of 3-D Rotating Anomalous Loss Considering Harmonics and Skin Effect of Soft Magnetic Materials	P	Material Modeling	WP021	Wednesday November 16, 2016
Stephan Willerich	Technical University of Munich	146	Material Modeling	Interpretation of an Energy Based Hysteresis Model as a Scalar Preisach Operator	P	Material Modeling	WP021	Wednesday November 16, 2016
Babak Fahimi	University of Texas at Dallas	503	Material Modeling	Evaluation of the Influence of Different Cutting Methods on Permeability and Core Losses in Magnetic Steel	P	Material Modeling	WP021	Wednesday November 16, 2016
Thomas Bauernfeind	Institute of Fundamentals and Theory in Electrical Engineering / Graz University of Technology	169	Wave Propagation	UHF RFID Antenna Impedance Characterization: Numerical Simulation of Interconnection Effects on the Antenna Impedance	P	Wave Propagation	WP022	Wednesday November 16, 2016
Qun, Wu	Harbin Institute of Technology	598	Wave Propagation	Wideband Tuning Range Frequency Selective Surface Based on Liquid Crystal and Tunable Ability Analysis	P	Wave Propagation	WP022	Wednesday November 16, 2016

Arturo Bretas	University of Florida	186	Wave Propagation	A Hybrid Method to Represent the Soil Ionization Phenomenon in Impulsive Grounding Systems	P	Wave Propagation	WP022	Wednesday November 16, 2016
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Terje G. Vold	Continuum Technology, Inc.	659	Wave Propagation	CEM using Hamilton's Principle with variation of the space-time vector potential	P	Wave Propagation	WP022	Wednesday November 16, 2016
Qun, Wu	Harbin Institute of Technology	497	Wave Propagation	A Cascaded Feed Network for Beam Switching Antenna with Improved Radiation Efficiency	P	Wave Propagation	WP022	Wednesday November 16, 2016
Choo, Jaeyul	Korea Institute of Nuclear Safety	119	Wave Propagation	Shielding Effectiveness of Cabinet Used in Nuclear Power Plants	P	Wave Propagation	WP022	Wednesday November 16, 2016
Michael Grinfeld	The U.S. Army Research Laboratory	171	Wave Propagation	Calculus of Moving Surfaces and Singular Wave-Fronts in Ideal Magnetohydrodynamics	P	Wave Propagation	WP022	Wednesday November 16, 2016
Roman Obrist	University of Applied Sciences Rapperswil HSR	554	Wave Propagation	Simulation Based Design of GIS Sensors for PD Measurements	P	Wave Propagation	WP022	Wednesday November 16, 2016
Fatemeh Afshar	McGill University	310	Wave Propagation	Wideband Finite-Difference Time-domain Modeling of Graphene via Recursive Fast Fourier Transform	P	Wave Propagation	WP022	Wednesday November 16, 2016
Ayumu Saitoh	Yamagata University	756	Numerical Techniques	Combination Approach of Domain-Type and Boundary-Type Meshless Methods for Solving Hybrid Boundary- Value Problem of Homogeneous and Inhomogeneous Elliptic PDEs	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Arturo Bretas	University of Florida	181	Numerical Techniques	Extended TLM-2D Numerical Technique: An Algorithm Considering Non-Homogenous Media and Ionization	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Tomonori Tsuburaya	Fukuoka University	822	Numerical Techniques	Parallelization Performance of Robust Incomplete Factorization Preconditioner for Real Symmetric Linear Systems Arising in Magnetic Field Analyses	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Yves Marechal	G2Elab	867	Numerical Techniques	Numerical Integration on Natural Element Method: Comparative Analyses of Different Approaches	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Kota Watanabe	Muroran Institute of Technology	242	Numerical Techniques	Fast Variable Preconditioned Conjugate Gradient Method Using Deflation technique	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Bai Baodong	Shenyang University of Technology	705	Numerical Techniques	Research on Preconditioned Conjugate Gradient Method Based on EBE-FEM and the Application in Electromagnetic Field Analysis	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Xiaoli XI	Xi'an University of Technology	950	Numerical Techniques	Improved Parabolic Equation Method for Narrow-Band Loran-C ASF Prediction over Irregular Terrain	P	Numerical Techniques	WP031	Wednesday November 16, 2016
David Abraham	McGill University	849	Numerical Techniques	A Parallel Implementation of the Correction Function Method for Poisson's Equation with Immersed Surface Charges	P	Numerical Techniques	WP031	Wednesday November 16, 2016

Marcio Matias	CEFET-MG	656	Numerical Techniques	The Natural Element Method Applied to Solve an Electrical Machine Problem	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Charles T. M. Choi	National Chiao Tung University, Dept of Electrical and Computer Engineering	595	Numerical Techniques	A Mesh-Refinement Method Based on Artificial Neural Networks for Electrical Impedance Tomography	P	Numerical Techniques	WP031	Wednesday November 16, 2016
Paolo BETTINI	UniversitÃ di Padova - DII (Department of Industrial Engineering)	297	Devices and Applications	PEEC-based analysis of complex fusion magnets during fast voltage transients with H-matrix compression	P	Devices and Applications	WP032	Wednesday November 16, 2016
Kai Kai Guo	Southeast University	935	Devices and Applications	A Novel Brushless Hybrid Excited Adjustable-Speed Eddy- Current Coupling	P	Devices and Applications	WP032	Wednesday November 16, 2016
Ronghai Qu	Huazhong University of Science & Technology	527	Devices and Applications	Low Rotor Eddy Current Losses SPM Servo Motors with Fractional Slot Concentrated Windings and Novel Retaining Cage	P	Devices and Applications	WP032	Wednesday November 16, 2016
GYUJONG JEONG	PUSAN NATIONAL UNIVERSITY	740	Devices and Applications	Acoustic Noise and Vibration Reduction of Flux-Switching Permanent Magnet Machine for Elevator Door Application	P	Devices and Applications	WP032	Wednesday November 16, 2016
Cheaytani Jalal	University of Lille/EDF	635	Devices and Applications	Stray load losses analysis of cage induction motor using 3- D finite element method with external circuit coupling	P	Devices and Applications	WP032	Wednesday November 16, 2016
Sang-Yong Jung	SungKyunKwan University	945	Devices and Applications	Novel Design Method to Reduce Input Current for Multi- Operating Point IPMSM	P	Devices and Applications	WP032	Wednesday November 16, 2016
Guang Yang	North China Electric Power University	878	Devices and Applications	Magnetic Characteristics Analysis of CSR of Transformer Type	P	Devices and Applications	WP032	Wednesday November 16, 2016
Chang-Wan Ha	KIMM	464	Devices and Applications	Experimental Verification and Electromagnetic Analysis for Force Performance of Levitation and Guidance Electromagnet in Semi-high-speed Maglev Train	P	Devices and Applications	WP032	Wednesday November 16, 2016
Gwan Soo Park	Pusan National University	341	Devices and Applications	Analysis of RFECT System Based on the Eddy Current Distributions in Pipeline Inspection	P	Devices and Applications	WP032	Wednesday November 16, 2016
Ha Jeong Lee	Pusan National University	339	Devices and Applications	New Algorithm for Improvement of Sizing Accuracy of Defect Depth in MFL type Nondestructive Testing	P	Devices and Applications	WP032	Wednesday November 16, 2016
Huai cong Liu	Hanyang University	201	Devices and Applications	Design of High-Speed IPM-BLDC Motor with High Efficiency	P	Devices and Applications	WP041	Wednesday November 16, 2016
Hiroyuki KUWAHARA	c/o Prof. S. Wakao, Department of Electrical Engineering and BioScience	755	Devices and Applications	Multi-objective Optimization of Magnetic Sensor with Conductor Plate for Rail Wheel Detection	P	Devices and Applications	WP041	Wednesday November 16, 2016
Takeo Ishikawa	Gunma University	404	Devices and Applications	Proposal of a Radial- and Axial-Flux Permanent Magnet Synchronous Generator	P	Devices and Applications	WP041	Wednesday November 16, 2016
Xiao Liu	Hunan University	126	Devices and Applications	Performance Evaluation of the Excitation Assistance Switched Reluctance Wind Power Generator under Open Circuit Fault	P	Devices and Applications	WP041	Wednesday November 16, 2016

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Gan Zhang	School of Electrical Engineering, Southeast University	148	Devices and Applications	Parameter Sensitivity Analysis and Robust Design Approach for Flux-Switching Permanent Magnet Machines	P	Devices and Applications	WP041	Wednesday November 16, 2016
Marco Arjona	Instituto Tecnológico de La Laguna	961	Devices and Applications	Modeling of an Axial-Type Magnetic Gear using a Reluctance-Based Magnetic Equivalent Circuit	P	Devices and Applications	WP041	Wednesday November 16, 2016
Han-Kyeol Yeo	Seoul National University	157	Devices and Applications	A New Robust Surrogate-Assisted Multi-Objective Optimization Algorithm for an IPMSM Design	P	Devices and Applications	WP041	Wednesday November 16, 2016
Byung-il Kwon	Hanyang University	731	Devices and Applications	Performance Comparison of Dual Airgap and Single Airgap Spoketype Vernier Permanent Magnet Machines	P	Devices and Applications	WP041	Wednesday November 16, 2016
Jeong Geochul	Hanyang University	507	Devices and Applications	Design of 2-Phase Outer Rotor Coreless Torque Actuator in Hybrid Multi-D.O.F System for Gimbal Tilting	P	Devices and Applications	WP041	Wednesday November 16, 2016
Jan De Bisschop	Ghent University	153	Devices and Applications	Demagnetization Fault Detection in Axial Flux PM Machines by using Sensing Coils and an Analytical Model	P	Devices and Applications	WP042	Wednesday November 16, 2016
Wei Xu	Huazhong University of Science and Technology	753	Devices and Applications	Composite Field-oriented Control for Linear Induction Motor Based Super-twisting Sliding Mode Observers	P	Devices and Applications	WP042	Wednesday November 16, 2016
Xiaofeng Ding	BeiHang University	957	Devices and Applications	Iron Loss of Electrical Steel Considering Rotational Magnetization and Laminated Direction Mechanical Stress	P	Devices and Applications	WP042	Wednesday November 16, 2016
Homin Shin	Dong-A University	682	Devices and Applications	Comparison of the Characteristics of Coaxial Magnetic Gears with PM and AC Excitation	P	Devices and Applications	WP042	Wednesday November 16, 2016
Ran Li	State Key Laboratory of Alternate Electrical Power System with Renewable Energy Sources, North China Electirc Power University	422	Devices and Applications	Wide-band Modeling for Dual-band Coil of Wireless Power Transfer System	P	Devices and Applications	WP042	Wednesday November 16, 2016
Victor de Paula Brandao Aguiar	Federal University of Ceara	566	Devices and Applications	Determination of the Relative Permeability to Estimate the Efficiency in Energy-Efficient Motors	P	Devices and Applications	WP042	Wednesday November 16, 2016
Yang Xiao	Huazhong University of Science and Technology	172	Devices and Applications	Transient Parameters Calculation of Salient-Pole Synchronous Machine by Finite Element Analysis	P	Devices and Applications	WP042	Wednesday November 16, 2016
Wei Xu	Huazhong University of Science and Technology	785	Devices and Applications	Optimal Flux Trajectory Analysis of Linear Induction Machine Considering Thrust Transient	P	Devices and Applications	WP042	Wednesday November 16, 2016
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bangfu zhang	Southeast University	544	Devices and Applications	A Modular and Fault-tolerant Linear Flux-switching Permanent Magnet Machine with Thin Yoke	P	Devices and Applications	WP042	Wednesday November 16, 2016

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Jeong Geochul	Hanyang University	411	Devices and Applications	Analysis of inductance according to the applied current in Spoke type PMSM and suggestion of driving mode	P	Devices and Applications	WP052	Wednesday November 16, 2016
Dan Ionel	University of Kentucky	895	Devices and Applications	Multilayer Concentrated Windings for Axial Flux PM Machines	P	Devices and Applications	WP052	Wednesday November 16, 2016
Yong-Jae Kim	The Department of Electrical Engineering, Chosun University	616	Devices and Applications	A Gear Efficiency Improvement in Magnetic Gear by Eddy- Current Loss Reduction	P	Devices and Applications	WP052	Wednesday November 16, 2016
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David Lowther	Electrical and Computer Engineering Department, McGill University	773	Devices and Applications	A Neural Network Based Surrogate Model for Predicting Noise in Synchronous Reluctance Motors	P	Devices and Applications	WP052	Wednesday November 16, 2016

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Chang-Wan Ha	KIMM	660	Devices and Applications	Design and Control Characteristics of Guidance System for Passive Maglev Transport System	**P**	Devices and Applications	WP061	Wednesday November 16, 2016
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Jasmin Smajic	University of Applied Sciences Rapperswil HSR	913	Numerical Techniques	DG-FEM for Time Domain H-Î Eddy-Current Analysis	P	Numerical Techniques	WP072	Wednesday November 16, 2016
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Ryszard Palka	West Pomeranian University of Technology Szczecin	384	Devices and Applications	Impact of Rotor Design on Flux Control Capability of Hybrid Excited Synchronous Machine	P	Devices and Applications	WP081	Wednesday November 16, 2016
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Jean Vianei Leite	Univ. Federal de Santa Catarina	903	Material Modeling	Performance Comparison between Jiles-Atherton and Play Vector Hysteresis Models on Field Calculation	P	Material Modeling 2	WP082	Wednesday November 16, 2016
Weili Li	Beijing Jiaotong University	677	Material Modeling	Influence of Magnetic Slot Wedge on Electromagnetic Parameters and Magnetic Field Distribution of Turbo- generator	P	Material Modeling	WP082	Wednesday November 16, 2016
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Zhizhen Liu	Shandong University, School of Electrical Engineering	488	Material Modeling	Research on Residual Flux Prediction of the Transformer	P	Material Modeling	WP082	Wednesday November 16, 2016
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