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Chernokozhin E.V., Boag A.	Multilevel Nonuniform-Grid Algorithm for Problems of Acoustic Scattering by Elastic Shells	433	434
Xiang D.P., Botha M.M.	Performance Evaluation of Fast Multiple-Reflection Physical Optics for Scattering Analysis	1001	1003
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Elsässer M., Miralles Navarro E., Ziegler V., Vietzorreck L.	Development of a simple broadband microstrip to waveguide transition	1700	1703
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Sanusi O.M., Ghaffar F.A., Shamim A., Wang Y., Roy L.	Development of 2.45 GHz Compact Antenna for Wireless Sensors		N/A
Saini R.K., Dwari S.	Dual-Band Dual-Sense Circularly Polarized Slot Antenna	472	475
Asaadi M.M., Sebak A.	High Gain High Dense Dielectric Patch Antenna With A Holey Superstrate for 5G Applications	1109	1111
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Haider M., Russer J.A.	Field Modeling of Dynamic Inductive Power Supply of Electric Vehicles on the Road	1490	1493
Lang H.-D., Sarris C.D.	Power-flow considerations for optimal wireless power transfer networks	1628	1631

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Schaefer D., Lauer A., Baggen R.	Characterization of noisy EM Fields by Cross Spectral Density Eigenvalue Analysis	902	905
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Haider M., Russer J.A.	Equivalent Source Localization for Stochastic Electromagnetic Fields	1486	1489
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Wane S., Bajon D.	Network representation of Biology-Inspired Analog Signal-Processing: Correlated Neural Cells Array in Diffuse Noisy Stochastic EM Fields	1688	1691
Bastianelli L., Gradoni G., Micheli D., Barazzetta M., Diamanti R., Moglie F., Mariani Primiani V.	Reverberation chambers for testing LTE wireless communication systems	722	725
Baev A., Kuznetsov Y., Haider M., Russer J.A., Russer P.	Time-Domain Characterization of Probes for Two-Point Measurements of Stochastic EM Fields	1521	1524
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Runke S., Clemens M.	Numerical Nondestructive Testing Simulations for the Detection of Defects in Thin Multilayer Composite Material Models	1194	1198
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Ozaki R., Yamasaki T.	Analysis of Pulse Response from Two Dispersion Media with Strips	1310	1313
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Jandieri V., Baccarelli P., Valerio G., Ceccuzzi S., Ponti C., Schettini G.	Efficient and Rigorous Analysis of Leaky Modes in 2-D EBG Guiding Structures	444	445
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Andronov I.V., Shevnin D.A.	On Numerical Artifacts in the Boundary Element Method for the Induced Currents Computation on a Large Spheroid	712	714
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Azemati A., Moghaddam M.	Circular-Linear Polarization Signatures in Bistatic Scattering Models Applied to Signals of Opportunity	1825	1827
Shah R., Zuffada C., Chew C., Lavallo M., Xu X., Azemati A.	Modeling Bistatic Scattering Signatures from Sources of Opportunity in P- Ka bands	1684	1687
Garrison J.L., Nold B., Pignotti G., Lin Y.-C., Piepmeier J., Vega M., Fritts M., Du Toit C., Knuble J.	Recent Results on Soil Moisture Remote Sensing Using P-band Signals of Opportunity	1604	1607


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Pienaar H., Davidson D.B.	Design of a Dual Polarised Wideband Source Antenna Onboard an UAV for Radio Astronomy Element Characterisation	1174	1177
Nesti R., Orsi E., Pelosi G., Possenti L., Selleri S.	Design of the low C-band passive front-end for the beam waveguide focus of the Sardinia radio telescope	657	660
Zhang Y., El-Makadema A., Yang M., Brown A.K.	Dual Polarised Crossed Ring Antenna Array with High Polarimetric Purity	1358	1360

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Paonessa F., Virone G., Bolli P., Pupillo G., Wijnholds S.J., Matteoli S., Lingua A., Piras M., Aicardi I., Maschio P.	Recent Results on the Characterization of the LOFAR radio telescope by means of a micro UAV	1752	1753
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Pupillo G., Pluchino S., Bolli P., Virone G., Mariotti S., Monari J., Paonessa F., Perini F.	UAV-based method for the sensitivity measurement on low-frequency receiving systems	1232	1235

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Klygach D., Vakhitov M.	Experimental Studies of Reflection Coefficient for Corundum-Based Material	1335	1337
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Zhang B., Chen G., Cloos M., Yu Z., Walczyk J., Collins C., Brown R., Lattanzi R., Sodickson D., Wiggins G.	29-channel Receive-only Dense Dipole Head Array for 7T MRI	1624	1627
Woo M., Lagore R.L., DelaBarre L., Lee B.-Y., Eryaman Y., Radder J., Erturk A., Metzger G., van de Moortele P.-F., Ugurbil K., Adriany G.	A 16-channel Transceiver Loop+Dipole Antennas Head Array for Human Head Imaging at 10.5T	1649	1652
Kozlov M., Bode J., Bazin P.-L., Weiskopf N., Möller H.E., Shajan G.	Comparison of 7T 16-channel dual-row transmit arrays	1264	1267
Kozlov M., Kainz W.	Comparison of lead electromagnetic model and 3D EM results for helix and straight leads	649	652
Georgakis I.P., Villena J.F., Daniel L., White J.K., Polimeridis A.G.	Consistent Numerical Basis of Electromagnetic Fields in Realistic Human Body Models for MRI System Design and Optimization	1063	1063
Ianniello C., Madelin G., Lakshmanan K., Zhang B., Moy L., Brown R.	Design and performance of a dual tuned 7 T proton/sodium breast coil	1890	1893
Brink W.M., Paska J., Dai J., van Gemert J.H.F., Chen G., Wiggins G.C., Remis R.F., Collins C.M., Webb A.G.	Dielectric Enhanced Dipoles for MRI - Approaching the Ideal Current Pattern	1220	1223
Fontana N., Costa F., Tiberi G., Nigro L., Monorchio A.	Distributed trap FSS filter for dual tuned RF MRI coil decoupling at 7.0T	1229	1231
Remis R., Webb A., Mandija S., Leijssen R., Fuchs P.S., Stijnman P., van den Berg C.	Electrical Properties Tomography Using Contrast Source Inversion Techniques	1025	1028
Ittermann B., Brühl R., Ihlenfeld A., Weidemann G., Seifert F.	Implant related safety issues in MRI		N/A
Collins C.M.	Intuitive Understanding of RF Heating Patterns in MRI	1886	1889
Serrallés J.E.C., Boeru E., Polimeridis A.G., Sodickson D.K., White J.K., Daniel L., Lattanzi R.	Investigation of the feasibility of inverse scattering via Global Maxwell Tomography	1562	1562
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Niendorf T., Ji Y., Oezerdem C., Oberacker E., Kuehne A., Waiczies H., Winter L.	Radiative RF Antenna Arrays for Cardiac, Brain and Thermal Magnetic Resonance at Ultrahigh and Extreme Magnetic Field Strengths: Concepts, Electromagnetic Field Simulations and Applications	1567	1570
Carluccio G., Collins C.	Safety Evaluation of Algorithms for local Excitation with a transmit array considering thermoregulatory responses	1883	1885

SESSION 36: Analysis and simulation of complex electromagnetic media, organized by I. Tsukerman



Bleszynski E.H., Bleszynski M.K., Jaroszewicz T.	Enhancing early-time diffusion through beam collimation in pulse propagation through slabs of discrete random media	1632	1635
Hollaus K., Schoebinger M., Tsukerman I.	Homogenization of Laminated Magnetic Cores and the Role of Surface Charges	971	972
Jandieri V., Yasumoto K., Erni D.	Modal Analysis of Post-Wall Waveguides and Waveguide-based Filters for Micro and Millimeter Waves		N/A
Hollaus K., Schöbinger M.	Multiscale Finite Element Method and Geometric Perturbation of Laminated Cores	1262	1263
Tsukerman I., Markel V.A.	Nonasymptotic and Nonlocal Homogenization of Electromagnetic Metamaterials	1385	1386
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Loizos K., Gámez Rodríguez E., Kosta P., Paknahad J., Machnoor M., Lazzi G.	Bioelectromagnetics for Neuroimplants		N/A
Shahzad A., Clausing D., Prakash P., Dennedy M.C., O'Halloran M.	Broadband Dielectric Properties of Adrenal Gland for Accurate Anatomical Modelling in Medical Applications	1465	1468
Caorsi S., Lenzi C.	Can a MM-Wave Ultra-WideBand ANN-Based Radar Data Processing Approach Be Used for Breast Cancer Detection?	1236	1239
Bonello J., Farrugia L., Sammut C.V.	Effects of preservative solutions on the dielectric properties of biological tissue.	1216	1219
Sato H., Song H., Kono H., Miyake R., Xiao X., Kikkawa T.	Influence of Complex Permittivity on Confocal Imaging of 3D-Printed Breast Phantom	1318	1319
Kai S., Takahashi M.	Investigation of the Film Antenna for Capsular Endoscope	1151	1153
Topsakal E.	Long-Term Implantable Wireless Medical Telemetry	1845	1846
Fuhrer E., Jouda M., Gruschke O.G., Korvink J.G.	Optical gauge head to evaluate gradient field induced vibrations of conductive structures during MRI	1555	1558

SESSION 39: Computational methods and experimental results: comparison and uncertainty analysis for antenna radiation, scattering and RCS applications, organized by C. Pichot

LaHaie I.J., Blischke M.A., Cossmann S.M., Fischer B.E., Hawks M.H.	: Model-based optimization using ℓ_1 minimization for reducing the uncertainty in radar cross-section (RCS) measurements and predictions	840	843
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Manoochehri O., Darvazehban A., Emadeddin A., Erricolo D.	A new method for designing high efficiency multi feed multi beam reflector antennas	551	554
Clemente A., Bories S., Pintos J.-F., Keignart J., Delaveaud C.	Antenna Measurements from 50 MHz to Millimeter Wave Frequencies at the CEA-Leti Far-Field Facility	1327	1330
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Nsengiuymva F., Migliaccio C., Brochier L., Dauvignac J.-Y., Pichot C.	Comparisons between Scattering Measurements and Simulations of 2D Canonical Objects in W-band		N/A
Hettak L., Saleh H., Dahon C., Casaletti M., Meyer O., Geffrin J.M., Roussel H.	DEMOS : a Domain dEcomposition MOdel for Scattering in forest environments compared with mono and bistatic measurements on scaled models	726	728
Abboud T., Barbier D.	Fast BEM Solvers for Antennas and RCS Problems	1917	1920
Saleh H., Eyraud C., Geffrin J.-M.	Optimization of the Experimental Parameters and of the Noise of Scattering Measurements for Inverse Scattering Applications	1418	1422
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Vico F.V.	A decoupled potential integral equation for the impedance boundary value problem	1583	1585
Rahmouni L., Adrian S.B., Cools K., Andriulli F.P.	A Mixed Discretized Adjoint Double Layer Formulation for the Electroencephalography Forward Problem with High Brain-Skull Contrast Ratios	1817	1820
Gershenson I., Brick Y., Boag A.	A Stable High Frequency Iterative Solver	896	896
Lasisi S.O., Cools K., Benson T.M., Gradoni G., Greenaway M.T.	An Enriched RWG Basis for Enforcing Global Current Conservation in EM Modelling of Capacitance Extraction	1369	1372
Taboada J.M., Solís D.M., Obelleiro F.	Evaluation of reaction integrals in the Galerkin's Method of Moments	1590	1592
Iliopoulos I., Fuchs B., Sauleau R., Pouliguen P., Potier P., Ettore M.	Scalar Near-Field Focusing in Lossy Media	718	721
Ijeh A., Ney M.	Stability issues in time-domain methods for unstructured block meshing using local time-steps	1127	1130
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Shuba M.V., Milnikov A.V., Kuzhir P.P., Maksimenko S.A., Slepyan G.Ya, Boag A., Bellucci S., Pulchi O.	Bridging between integral equation technique of classical electrodynamics and Landauer-Buttiker formalism for quantum transport	900	901
Svirko Yu., Kaplas T., Batrakov K., Paddubskaya A., Kuzhir P.	Carbon based ultralight microwave shields	914	915
Segev E., Natan A.	Effects of multiple atom doping in graphene	1365	1368
Batrakov K.G., Maksimenko S.A., Shuba M.V.	Enhanced electromagnetic response of ultrathin carbon films in THz frequency range	818	821
Lakhtakia A., Mackay T.G., Chiadini F., Diovisalvi A., Fiumara V., Scaglione A.	How Much Topological Insulation Does One Need? How Much Can One Get?	729	732
Shishkin I., Barhom H., Noskov R., Alon T., Markovich H., Ginzburg P.	Optical Properties of Trapped Nanoantennas and Loaded Vaterite Particles	743	745
Lakhtakia A.	Periodically nanoarchitected photovoltaic solar cells and planar optical concentrators	852	854
Saroka V.A., Hartmann R.R., Portnoi M.E.	Terahertz transitions in carbon nanotubes and graphene nanoribbons	1178	1181
Kuzhir P., Paddubskaya A., Volynets N., Kotsilkova R., Ivanov E., Biro I., Mark G., Biro L., Maksimenko S.	THz and microwave properties of 3D-printed nanocarbon based multilayers	822	823
Levie I., Kastner R., Slepyan G.	Time-Domain Dynamics and Spectrums of Rabi-Bloch Oscillations in Nano-Circuits and Nano-Antennas	923	925
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Mutonkole N., de Villiers D.	A study on noise robustness of parameterized models of antenna responses	1052	1055
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Koziel S., Kurgan P.	On Elementary Cell Selection for Miniaturized Microstrip Rat-Race Coupler Design	836	839
Jacobs J.P., Joubert J.	On the Modeling of Non-Stationary Antenna Responses by Gaussian Processes	1320	1322
van der Herten J., Dutordoir V., Couckuyt I., Dhaene T.	Surrogate Modeling with Sequential Design for Design and Analysis of Electronic Systems	1403	1406
Cuyt A., Louw R., Segers C., de Villiers D.	Towards blended rational interpolation of multi-fidelity antenna data	1045	1048

SESSION 45: Numerical methods in electromagnetics, organized by R.D. Graglia and D.R. Wilton			
Rivero J., Vipiana F., Wilton D.R., Johnson W.A.	4-D Interaction Integrals between Non-Coplanar Triangle Pairs	1307	1309
Yan S., Jin J.-M., Arslanbekov R., Kolobov V.	A Dynamically h-Adaptive Discontinuous Galerkin Time-Domain Method for Electromagnetic Field Simulation	1124	1126
Ma M., Jiao D.	Accuracy Directly Controlled Fast Direct Solutions of General H²-Matrices and Its Application to Electrically Large Electromagnetic Analysis	1669	1672
Kornprobst J., Eibert T.F.	Accurate and Stable Solutions to Electromagnetic Scattering Problems By Means of the Electric Field Integral Equation Augmented by a Weak Combined Source Condition	1240	1242
Li X., Hu J., Nie Z., Wei X., Che Y.	An Efficient Solution of Scattering from Thin Dielectric Structures by Volume-Surface Integral Equation and Simplified Prism Vector Basis Functions	661	664
Dilz R.J., van Beurden M.C.	Computational aspects of a spatial-spectral domain integral equation for scattering by objects of large longitudinal extent	637	640
van Gemert J.H.F., Brink W.M., Webb A.G., Remis R.F.	Designing High-Permittivity Pads for Dielectric Shimming in MRI using Model Order Reduction and Gauss-Newton Optimization	417	420
Moshfegh J., Vouvakis M.N.	Direct Solution of FEM Models: Are Sparse Direct Solvers the Best Strategy?	1636	1638
Tihon D., Craeye C.	Fast FMIR-MoM implementation using analytical singularity evaluation	1361	1364
Ubeda E., Sekulic I., Rius J.M.	Hierarchical discretization of the PMCHWT formulation with jump current discontinuities for the scattering analysis of ferromagnetic objects	1093	1096
Graglia R.D., Peterson A.F., Petrini P.	Hierarchical Singular Vector Bases for Quadrilateral Cell MoM Applications	1929	1932
Bojanic R., Lancellotti V.	Hybrid LEGO-CBF method for the analysis of locally complex metallic structures	784	787
Florencio R., Boix R.R., Encinar J.A., Toso G.	Improved Integral Equation Approach for the Design of low Cross-Polarization Multilayered Reflectarray Antennas	994	997
Rahmouni L., Pillain A., Merlini A., Andriulli F.P.	Integral Equation Modelling of Brain Fibers for Handling White Matter Anisotropies in the EEG Forward Problem	1809	1812
Russer J.A., Haider M., Russer P.	Network Methods for Full-Wave Modeling of Stochastic Electromagnetic Fields	1494	1497
Bettencourt M., Zinser B., Jorgenson R., Kotulski J.	Performance Portable Sparse Approximate Inverse Preconditioner for EFIE equations	1469	1472
Botha M.M., Rylander T.	Quadrature Error Estimation for MoM Matrix Entries	973	975
Gur U.M., Karaosmanoglu B., Ergul O.	Solutions of New Potential Integral Equations Using Approximate Stable Diagonalization of the Green's Function	1894	1897
Wang S., Peng Z.	Space-Time Parallel Computation for Time-Domain Maxwell's Equations	1680	1683
Labate G., Matekovits L.	The Volume Electric Field Integral Equation for Dielectric Cloaking at Any Frequency Regime	460	463
Kavanagh I., Brennan C.	Volume integral equation based modelling of in building propagation	1498	1501

SESSION 46:Novel Frequency Selective Structures and Applications, organized by Z. Shen			
Tang W., Ge J., Yu Z., Lu H., Li B.	3-D Waveguide FSS by Coaxial Square Tubes	1746	1748
Deng T., Yu Y., Ning Chen Z.	A Broadband 3D Frequency Selective RASORBER By Using Magnetic Materials	1731	1734
Wang S., Geyi W.	A Dual-Band Frequency Selective Surface with Planar-Dipole-Pair Elements	1749	1751
Shuai S., Li T., Dou W.	A multifunction antenna composed by a dual polarization microstrip antenna and a waveguide slot antenna	688	691
Omar A.A., Shen Z.	An ultra-wideband absorber based on multiple resonators in 3-D frequency-selective structure	1802	1804
Zhang L., Ding T., Zhao T.	Design of A Single layer Broadband Tunable Frequency Selective Surface	988	990
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