Session Time	Presentation Time Slot	Session Title	#	Paper Title	First author
Session Tu-AM1	9:30-9:45	Numerical Methods and Simulations for the Applications of Microwaves in Medicine and Biology	1571000340	Broadband Wide-Angle Absorber for Microwave Imaging of Tissue	Zhang Zhen-Yuan
Session Tu-AM1	9:45-10:00	Numerical Methods and Simulations for the Applications of Microwaves in Medicine and Biology	1571000341	Neural Network Model for Breast Tissue Thickness Estimation	Henna Jethani
Session Tu-AM1	10:00-10:15	Numerical Methods and Simulations for the Applications of Microwaves in Medicine and Biology	1571003652	Numerical Analysis of FMCW Radar-Based Breast Cancer Detection System Using FDTD Method With Multipole Debye Tissue Models	Milan Rother
Session Tu-AM1	10:15-10:30	Numerical Methods and Simulations for the Applications of Microwaves in Medicine and Biology	1571004730	Handheld, Microwave Transmission-Based Probe: Numerical Evaluation of the Sensitivity Zone	Paul Meaney
Session Tu-AM1	10:30-10:45	Numerical Methods and Simulations for the Applications of Microwaves in Medicine and Biology	1571004840	Asymmetry Detection in a Noisy Microwave-Based Biomedical Diagnosis	Seyed Moein Pishnamaz
Session Tu-AM2	11:10-11:25	Biomedical sensing for micro-motion (respiration, heartbeat, ECG, blood pressure) and temperature	1571003878	Analysis of Polarimetric Radar Effects in Respiratory Measurements	Jon Itokazu
Session Tu-AM2	11:25-11:40	Biomedical sensing for micro-motion (respiration, heartbeat, ECG, blood pressure) and temperature	1571003891	Radar-Based Human Pulse Sensing Through a Resonator-Based Superstrate	Michael Riad
Session Tu-AM2	11:40-11:55	Biomedical sensing for micro-motion (respiration, heartbeat, ECG, blood pressure) and temperature	1571003944	Real-Time Heart Rate Monitoring via Batteryless RFID Tags	Mahdi Barati

Session Tu-AM2	11:55-12:10	Biomedical sensing for micro-motion (respiration, heartbeat, ECG, blood pressure) and temperature	1571000861	Enhanced Vital Sign Monitoring Using FMCW Radar and PCA Analysis	Keivan Alirezazad
Session Tu-AM2	12:10-12:25	Biomedical sensing for micro-motion (respiration, heartbeat, ECG, blood pressure) and temperature	1571001570	Field Correlation Radiometry for Improved Spatial Focusing in Internal Temperature Sensing	Joseph Dunbar
Session Tu-PM1	1:30-1:45	Biomedical sensing for macro-motion detection	1571000462	RF Human Exposure Mitigation in a Fusion Radar WPT System	Pouya Mehrjouseresht
Session Tu-PM1	1:45-2:00	Biomedical sensing for macro-motion detection	1571003930	Spectral Binning Approach to Classification of Non-Sedentary Human Activity	Mohammad Shadman Ishrak
Session Tu-PM1	2:00-2:15	Biomedical sensing for macro-motion detection	1571003941	Low-Complexity Algorithm for People Detection Using FMCW Radar	Neda Rojhani
Session Tu-PM1	2:15-2:30	Biomedical sensing for macro-motion detection	1571003477	Simultaneous Measurement of Pressure and Shear Forces in Rehabilitation Cycling Using Integrated Microwave Sensor Technology	Maziar ShafieiDarabi
Session Tu-PM1	2:30-2:45	Biomedical sensing for macro-motion detection	1571003460	In-Home Cluttered Environment Gait Analysis Using mm-Wave Radar	Hajar Abedi
Session Tu-PM2	3:10-3:25	Microwave imaging of the breast	1571000328	Stochastic Gradient Descent and Frequency Sampling in a Radar Reconstruction Algorithm for Breast Microwave Imaging	Tyson Reimer
Session Tu-PM2	3:25-3:40	Microwave imaging of the breast	1571000604	Calibration Stability and Localization Accuracy of a Low-Cost and Portable Breast Microwave Sensing Device	Gabrielle Fontaine
Session Tu-PM2	3:40-3:55	Microwave imaging of the breast	1571000903	Detecting Multipath Signals Using the Hilbert-Huang Transform in Microwave Breast Imaging	Sarah Price

Session Tu-PM2	3:55-4:10	Microwave imaging of the breast	1571003874	Investigating the Use of Physics-Endowed Machine Learning for Pole/Residue Extraction	Amir Attar
Session Tu-PM2	4:10-4:25	Microwave imaging of the breast	1571003903	Microwave Imaging for Monitoring Breast Cancer Treatment During Neoadjuvant Chemotherapy	Pedram Mojabi
Session Tu-PM2	4:25-4:40	Microwave imaging of the breast	1571003938	Synthetic Microwave 3D Breast Models: A Step Forward With Denoising Diffusion Models	Vahab Khoshdel
Session We-AM1	9:30-9:45	Antennas, propagation, and wireless power transfer for biomedical applications	1571000607	Enhanced Design and Analysis of a Minimally Invasive Antenna for Microwave Ablation in Hepatocellular Carcinoma	Maleeha Khan
Session We-AM1	9:45-10:00	Antennas, propagation, and wireless power transfer for biomedical applications	1571002453	Analyzing Ablation Zones of Curved Microwave Ablation Antennas	Andrew Fry
Session We-AM1	10:00-10:15	Antennas, propagation, and wireless power transfer for biomedical applications	1571003917	Material Property Based Analysis of Human Body Communication in Body Resonance Regime	Samyadip Sarkar
Session We-AM1	10:15-10:30	Antennas, propagation, and wireless power transfer for biomedical applications	1571000346	915-MHz Wireless Power Receiver for Battery-Less Electronic Shelf Label: Enhancing Patient Information Display	Chen-Yu Wen
Session We-AM1	10:30-10:45	Antennas, propagation, and wireless power transfer for biomedical applications	1571003696	Characterizing In-Body BLE Communication for High-Bandwidth Applications	Miguel Soares
Session We-AM2	11:10-11:25	Wearable and Wireless Biomedical Technologies	1571004186	Body Temperature Measurement Using Dual-Mode Triangular Resonator Sensor	Hamidreza Laribi
Session We-AM2	11:25-11:40	Wearable and Wireless Biomedical Technologies	1571003626	Efficient Low-Power Microwave Readout Circuit in 180 nm CMOS for Wearable Electronics	Dima Kilani

Session We-AM2	11:40-11:55	Wearable and Wireless Biomedical Technologies	1571003830	Wireless Real Time Sweat Secretion Monitoring Using Waveguide-Based Wearable Sensor	Vishal Balasubramanian
Session We-AM2	11:55-12:10	Wearable and Wireless Biomedical Technologies	1571003835	Enabling Physically Secure Human Body Communication in Body Resonance Region With Faraday Fabric	Qi Huang
Session We-AM2	12:10-12:25	Wearable and Wireless Biomedical Technologies	1571003905	Soft, Implantable, Battery-Free, and Wirelessly Controlled Optoelectronic System for Obstructive Sleep Apnea Treatment	Giulia Battistini
Session We-PM1	1:30-1:45	Bio-Electromagnetics	1571003934	Magnetic Field Imaging for Enhanced Breast Cancer Detection	Ghazaleh Tashtarian
Session We-PM1	1:45-2:00	Bio-Electromagnetics	1571000818	SAR Prediction for Human Head Models Considering Dependencies on Incident Angle of Exposure Using Parameter Prioritization in ANNs	Hamideh Esmaeili
Session We-PM1	2:00-2:15	Bio-Electromagnetics	1571000865	Exposure System for Real-Time 5G Electrophysiology Experiments: Numerical and Experimental Characterization	Carmen Pisano
Session We-PM1	2:15-2:30	Bio-Electromagnetics	1571002280	Electromagnetic Field Analysis of an Imaging Coil Attached to a MRI-Guided Needle-Based Intervention Robot	Wolfgang Loew
Session We-PM1	2:30-2:45	Bio-Electromagnetics	1570999313	Principal Component Regression for Small-Sample Microwave-Microfluidic Chemometrics Without De-Embedding	Marie Mertens
Session We-PM2	3:10-3:25	Dosimetry & bioeffects	1571000814	Enhancing Female Breast Modelling: Advanced Strategies in the Case Study of a Plane Wave Exposure	Noemi Dolciotti

Session We-PM2	3:25-3:40	Dosimetry & bioeffects	1571000886	Demonstration of a Compact and Wideband FCMW Radar System for Breast Cancer Detection	Martin Maier
Session We-PM2	3:40-3:55	Dosimetry & bioeffects	1571003733	Assessment of the Absorbed Power Density	Niels Kuster
Session We-PM2	3:55-4:10	Dosimetry & bioeffects	1571003838	Developing Magnetic Resonance Reporter Gene Imaging: Essential Magnetosome Proteins Interact in Mammalian Cells	Qin Sun
Session We-PM2	4:10-4:25	Dosimetry & bioeffects	1571003876	Magnetic Resonance Imaging of Bacteria: In Vitro Characterization of Lactobacillus Crispatus ATCC33820 at 3T	Gabriel Varela-Mattatall
Session We-PM2	4:25-4:40	Dosimetry & bioeffects	1571003935	People With Implants: A Neglected Population by EM Exposure Regulation?	Lena Kranold
Session We-PM2	4:40-4:55	Dosimetry & bioeffects	1571003513	A Disposable Planar Microwave Sensor for Assessing Antibacterial Properties of Lubricant-Infused Surfaces	Sarah Vestrum
Session Th-AM1	9:30-9:45	Electromagnetic imaging and magnetic resonance imaging	1570996790	MRI Metasurface Enhancements at Different Clinical Field Strengths	Robert Kowal
Session Th-AM1	9:45-10:00	Electromagnetic imaging and magnetic resonance imaging	1570999673	Twstr: A Resonant, Matched MRI Coil Without Any Discrete Components	Julian Maravilla
Session Th-AM1	10:00-10:15	Electromagnetic imaging and magnetic resonance imaging	1571001683	Mapping of Breast Tissue Dielectric Properties Using T1-Weighted MRI Data	Şeyma Tufan
Session Th-AM1	10:15-10:30	Electromagnetic imaging and magnetic resonance imaging	1571002376	SNR Variability With Frontal Coil Plate Displacement in 3T Head MRI	William Mathieu
Session Th-AM1	10:30-10:45	Electromagnetic imaging and magnetic resonance imaging	1571003456	Comparison of Methods to Improve the Transmit Efficiency for MRgFUS Systems	Giuseppe Carluccio

Session Th-AM2	11:10-11:25	RF/microwave/THz circuits and systems for biomedical applications	1570999825	Sensitivity Study of Biodegradable Substrates for Microwave Resonator Based Bio-Sensing	S M Ishraqul Huq
Session Th-AM2	11:25-11:40	RF/microwave/THz circuits and systems for biomedical applications	1571000932	On-Chip Radiometer With Miniaturized Near-Field Antenna for Internal Body Thermometry	Jooeun Lee
Session Th-AM2	11:40-11:55	RF/microwave/THz circuits and systems for biomedical applications	1571002315	Low-Cost SDR-Based RF Transceiver for Microwave Breast Screening	Milad Mokhtari
Session Th-AM2	11:55-12:10	RF/microwave/THz circuits and systems for biomedical applications	1571003659	High-Stability Oscillator-Based Sensor for Low-Cost Biological Phantom Validation	Sandra Santiago-Mesas
Session Th-AM2	12:10-12:25	RF/microwave/THz circuits and systems for biomedical applications	1571003945	Stripline Pressure Sensor With Flexible Hollow Layer for Passive UHF RFID System	Hamed Khoshniyat
Session Th-PM1	1:30-1:45	Cellular and dielectric property measurements for biomedical diagnostics	1571000507	Enabling mm-Wave in Vitro Cell Vitality Measurements in Standard Cultivation Environment	Philipp Hinz
Session Th-PM1	1:45-2:00	Cellular and dielectric property measurements for biomedical diagnostics	1571000910	Effect of Cell Size for In-Flow Dielectrophoresis Cytometry-Based Dielectric Characterization	Behnam Arzhang
Session Th-PM1	2:00-2:15	Cellular and dielectric property measurements for biomedical diagnostics	1571002266	Employing Surface Waves for Detection of Skin Melanoma: Initial Analysis and Simulations	Shangyang Shang
Session Th-PM1	2:15-2:30	Cellular and dielectric property measurements for biomedical diagnostics	1570996421	Progress and Challenges Towards a Standard Approach for Dielectric Measurement and Reporting of Biological Tissues	Emily Porter
Session Th-PM1	2:30-2:45	Cellular and dielectric property measurements for biomedical diagnostics	1571004125	Monitoring Targeted Drug Delivery Using Microwave Sensitive Hydrogels	Bahareh Laribi
Session Th-PM2	3:10-3:25	Dielectric property measurement and tissue phantoms	1570997193	Sensitivity Enhancement of an Inter-Digital Sensor for High Precision Glucose Monitoring	Masoud Baghelani

Session Th-PM2	3:25-3:40	Dielectric property measurement and tissue phantoms	1571003647	Fabrication and Dielectric Characterization of Blood-Mimicking Phantoms for Pre-Clinical Test of Non-Invasive Glucose Monitoring	Sandra Costanzo
Session Th-PM2	3:40-3:55	Dielectric property measurement and tissue phantoms	1571004839	Complex-Domain Sampling for the Rational Function Model for Open-Ended Coaxial Probe Dielectric Measurements	Ali Farshkaran
Session Th-PM2	3:55-4:10	Dielectric property measurement and tissue phantoms	1571003463	Comparative Analysis of Exposure Assessment Using Realistic Human Models and Flat Phantoms for Wearable Device at mmWave Frequencies	Silvia Gallucci
Session Th-PM2	4:10-4:25	Dielectric property measurement and tissue phantoms	1571003640	Design of Coaxial Probe With Semispherical Termination for the Dielectric Characterization of Biological Tissues	E Fernandez-Aranzamendi
Session Th-PM2	4:25-4:40	Dielectric property measurement and tissue phantoms	1571003803	Preliminary Hyperspectral Characterization of Tissue Mimicking Breast Phantoms	Simona Di Meo