

	Day 1 [Sun. 3 June]			Day 2 [Mon. 4 June]				Day 3 [Tues. 5 June]				Day 4 [Wed. 6 June]				Day 5 [Thur. 7 June]				
WPTC & WoW Time	WPTC track A (M-2201)	WoW track (M-2203)	WPTC (QI) meetings	WPTC track A (M-1510)	WPTC track B (L-1710)	WoW track (M-2401)	WPTC (QI) meetings	WPTC track (M-1510)	WoW track (M-2401)	Public events	WPTC (QI) meetings	WPTC track A	WPTC track B	WoW track	Public events	WPTC (QI) meetings	WPTC track	WoW track	WPTC	
8:30 am - 9:50am			WPTC member only	8H30>Welcome speech SH00: keynote by Ada Poon (Stanford)				WPTC member only	SH00: keynote by Ken X. Liu (ConventorPower Ltd)				SH00: keynote by Alanson Sample (Disney Research)				8h30-9h15: keynote by Morris Kesler (Witricity)			
30min	coffee break			coffee break				coffee break				coffee break				coffee break				
10:20 am - 12:00pm			WPTC member only	WPTC-AJ1A: Biomedical implants	WPTC-M1B: Integrated RF circuits	WoW-M1: Modelling & Analysis of WPT systems	WPTC member only	WPTC-Tues1 - IoT and RF WPT systems	WoW-Tues1 - Performance Optimization of WPT	Qi Developer Conference	WPTC member only	WPTC-W1A: Rectifier and retrans	WPTC-W1B - resonant coupling WPT application	WoW-W1 - Design of WPT circuits	WPTC Tradeshow	WPTC member only	WPTC-Thur1 - MCR WPT application/case study	WoW-Thur1 - Coupled magnet		
2H	Lunch [1H]			Lunch + Joined [40] Poster session (Atrium) + Student [20] best-paper competition (1st Floor)				Lunch [1H]				Lunch + Joined [40] Poster session (Atrium)				Lunch [1H]				
2:00 pm - 3:40pm	Workshop on near field techniques	Tutorials	WPTC member only	WPTC-M2A - Low power rectifiers	WPTC-M2B - HF innovative circuits	WoW-M2 - Novel WPT control strategies 1	WPTC member only	2:30pm WPTC-Tues2 - Antenna and propagation	2:30pm WoW-Tues2 - WPT applications in Vehicles	Qi Developer Conference	WPTC member only	WPTC-W2A - HF switching circuits	WPTC-W2B - Focused session on Bio-medical applications	WoW-W2 - Rap sessions: Ultimate limitations of wireless power transfer for mobile devices	WPTC Tradeshow	WPTC member only	11h20-11h WPTC-Thur2 - Other Devices, Systems, & Technologies related to WPT	WoW-Thur2 - Other Devices, Systems, & Technologies related to WPT		
30min	coffee break			coffee break				coffee break				coffee break				coffee break				
4:00 pm - 5:45pm	Workshop on backscattering techniques	Tutorials	WPTC member only	WPTC-M3A - Millimeter-wave circuits	WPTC-M3B - resonant WPT Analysis	WoW-M3 - Novel WPT control strategies 2	WPTC member only	4:30pm WPTC-Tues3 - Microwave power beaming	4:30pm WoW-Tues3 - WPT applications in Vehicles	Qi Developer Conference	WPTC member only	WPTC-W3A - Innovative WPT strategies /topologies	WPTC-W3B - SHARP anniversary special session	WoW-W3 - Rap session: Difference in power transfer mechanism from near field to far field	WPTC Tradeshow	WPTC member only	1pm: Lunch			
5:45 pm - 7:00pm	6:15pm WPW Welcome Reception																			
7:00 pm - 8:30pm																				
8:30 pm - 10:00pm																Banquet				

June 7th, THURSDAY 8:30am (single WPTC track)

June 4th, MONDAY 10:20am (WPTC track A & Track B)

WPTC-M3A - Millimeter-wave circuits	Chair: Paul Jaffe
157044006	Martian Chaves: Distributed, rim-embedded implantable devices using geometrically-optimized multi-coil magnetic resonance. (Invited session talk)
157043549	Implant Safety: Novel Mechanistic Model and Approach for Safety Assessment at WPT Frequencies
157043810	Feasibility Study of a Wireless Power Transfer System Applied to a Leadless Pacemaker
1570434074	Butterfly-Shaped Transmitted Coil for WPT System in Millimeter-Sized Biomedical Implants
157043460	Influence of the Titanium Case Used in Implantable Medical Devices on the Wireless Power Link
157043466	WPTC-M1B - Integrated RF circuits Chair: Naoki Shinohara
157044946	Novel Diplexer-based Harmonic Transponder for 5G-Compatible IoT Applications
157043390	Direction-of-Arrival Estimation by Utilizing Harmonic Radiation from Rectenna
157042846	Rectifiers Based on Quadrature Hybrid Coupler with Improved Performance for Energy Harvesting
157043893	Class B <sup>+</sup> - High Efficiency RF DC/DC Converters Using Second Harmonic Generation and Injection
157043888	A Comparison of Class E Inverter and Synchronous Rectifiers for Three GHz Bands

MONDAY POSTER SESSION 12pm

157043803	Application of Wireless Power Transfer System to a Totally Implantable Heart Pump
157043880	Capacitively-Coupled Resonator Models for Investigating Spatial Impedance Variation in WPT Systems
157043078	A Novel Receiver for Dual-side Controlled Wireless Power Transfer System
157043479	Comparison With Self-Controlled Duty for Active Rectifiers in Inductive Powering
157043478	Design of Transmitter Coil Antennas for Inductive Resonant Power Transfer
157043471	Shielding Effectiveness and Figure of Merit of Ferrite Shielded Coils
157043710	Effect of Detuning on the Performance of DR Loaded Split Cavity Resonator Based WPT Scheme
157043466	A 150 W RF Embedded System at 4.784MHz for the Supply and Control of Linear Motors
157043327	Wideband monopolar patch antenna for wireless power transfer and communication application
157043506	Microwave Oven Field Detector Probe
157042968	Sensitivity Comparison of Impedance Matching Circuits for Inductively Coupled WPT
157043421	Exact Statistical Characterization of RF-Energy Harvesting over Rice Fading Channel
157043479	Numerical Analysis Applying the NAMS Method to Probe the Magnetic Field in an EV with a WPT System
157043805	Robust Active Tuning for Wireless Power Transfer to Support Misalignments and Variable Load
157043855	Power Loss Analysis of Inverter with and without Transformer for Capacitive Power Transfer
157043419	On the Outage of Wireless Powered Communications with Spatially Random Sensors
157043416	A Highly Efficient Combined Power Amplifier with Braggmode Couplers
157043418	Size Adjustable Coils for Compensation of Lateral Misalignments in WPT Systems
157043513	An Electromagnetic Induced Transparency-like Scheme for WPT in Contained Agonistic Solutions
157043870	Compact Dual-band Wireless Power Transfer Using Overlapped Single Loop Defected Ground Structure
157043913	Ambient RF Energy Harvesting for Dual-band Frequencies below 6 GHz
157043926	A Capacitive Power Transfer System with a CL Network for Improved System Performance

June 4th, MONDAY 2:00pm (WPTC track A & Track B)

WPTC-M2A - Low power rectifiers	Chair: Greg Durgin
157044001	Greg Durgin: What RF Tells About the Limits of Wireless Power Transfer (Invited session talk)
157043867	A Simple High-Efficiency Rectifier for Low Power Harvesting
157043520	Highly Sensitive Diode Rectifier w/ Self-Compensated Reflection Based on Novel Operation Principle
157043857	Optimal Operation of Multi-Tone Waveforms in Low RF-Power Receivers
157043818	Multi-Stage Schottky Diode Power Harvesters for UWB Application

WPTC-M2B - HF innovative circuits

WPTC-M2B - HF innovative circuits	Chair: Amir Mortazavi
157043901	Amir Mortazavi: Exploiting Nonlinearity to Design Robust Wireless Power Transfer and Wideband Energy Harvesting (Invited session talk)
157043809	Extending Distance of Constant Efficiency Wireless Power Transfer with Duffing Resonators
1570430116	Nonlinear two-step simulation model of a resonant converter for IPT Systems
157043904	Dynamic Complex Impedance Tuning Method Using a Multiple-Input DC/DC Converter for WPT
157043436	A Multi-MHz IPT-Link Developed for Load Characterization at High Voltage Coupling Factor

June 4th, MONDAY 4:00pm (WPTC track A & Track B)

WPTC-M3A - Millimeter-wave circuits	Chair: Paul Jaffe
157043622	A Sourceless Low-Power mmW Receiver Architecture Using Self-Oscillating Mixer Array in 65-nm CMOS
157044934	Sub-Terahertz MS and CW rectenna using 303 GHz 300 W-class Gytron
157044954	Development of 94GHz microstrip line rectenna
157043562	Millimeter Wave Agile Transmitter for IoT Operations
157043854	A Highly Sensitive Broadband Rectenna for Low Power Millimeter-wave Energy Harvesting Applications

WPTC-M3B - MCR WPT Analysis

WPTC-M3B - MCR WPT Analysis	Chair: Paul Wickham
157043895	Coil Geometry Optimization for Wireless Power Delivery to Moving Receivers
157043821	A Novel Method for Online Coupling Factor Determination in Inductive Power Transfer Systems
157043802	Dielectric Loss Evaluation in Wireless Power Transmission using Parallel Four Layers
157043870	Evaluation of the Induced Electric Field in Human Body by Wireless Power Transfer System for EVPHD
157042842	Design and Analysis of EM shielding method using intermediate coil for train WPT system

June 5th, TUESDAY 10:20am (single WPTC track)

WPTC-Tues1 - IoT and RF WPT systems	Chair: Joshua Smith
157044002	Joshua Smith: Ambient backscatter communication and the Internet of Things (Invited)
157043800	Two-tone FM Modulation for SWIPT
157043882	Wirelessly RF-Powered Remote Push-To-Talk Button
157043872	Comparison of active and passive sensors for IoT applications
157043466	2.45-GHz Intermittent Wireless Power Transmission System for Batteryless LED Cosmetic Accessories

Poster sessions location:

June 5th, TUESDAY 2:00pm (single WPTC track)

WPTC-Tues2 - Antenna and propagation	Chair: Jean-Jacques Laurin
157043878	A Wideband Cascaded Slotted Planar Wheel Antenna for RF Energy Harvesting
157043466	Wideband Rectenna with Inductive High-Impedance Folded Dipole Antenna
157043876	A Novel Rectenna Array with RFR for Long-Distance WLAN Energy Harvesting System
157043526	System Level Efficiency Analysis for Regulated RF Near Field Coupling
1570434811	Array Pattern Synthesis of Flat-topped Beam for Microwave Power Transfer System at Volcanoes

June 5th, TUESDAY 4:00pm (single WPTC track)

WPTC-Tues3 - Microwave power beaming	Chair: Paul Jaffe
157043463	Focused Radiative Wireless Power Transfer Experiments
1570437624	Study on Multipath Retrodirective for Microwave Power Transmission
157043462	Demonstration of long distance transmission with rectenna array using 300W-class 28GHz Gytron
157043465	Demonstration of a high-efficiency MWPT System for Aerospace
1570434972	Harmonic-recycling Rectifier Design for Localization and Power Tuning

June 6th, WEDNESDAY 10:20am (WPTC track A & Track B)

WPTC-W1A - Rectifier and retrans	Chair: Huib Visser - co-chair Tan Phu Vuong
157043502	900 MHz Miniaturized Rectenna
157043261	Compact C-band Rectenna for Satellite Applications
157043806	Dual-band Rectenna Using Voltage Doubler Rectifier and Four-Section Matching Network
157043468	Designing a Compact and High-efficiency Rectifier with a Multilayer Substrate Filter
157043593	Rectenna with Enhanced Aperture Efficiency and Bi-directional Pattern for RF Energy Harvesting
157043832	A High Frequency Data Transmission Method for Contactless Energy Transfer Systems
157043496	A Novel Contactless Capacitive Energy Data Transfer System
1570437379	Harnessing Magneto-inductive Waves for Wireless Power Transfer
157043245	Random Beamingform for Multi-Coil Magnetic Resonance Wireless Power Transfer System
157043873	Low Power On/Off Control Method for Active Diode Applied in Wireless Power Transmission

Wednesday POSTER SESSION 12pm

157043879	Design of Magnetic Coupling Resonant Wireless Charging System for Cable Tunnel Inspection Robot
157043873	Harvesting for Scattering RF Signals receivable by Mobile Telephones
157043808	Size-Reduced Evanescent Mode Substrate Integrated Waveguide Filter with Mixed-Coupled CSRRs
157043429	Radio Frequency Power Source Design for Wireless Power Transfer System
157043507	Towards the Improvement of frequency-domain Chipless RFID Readers
157043412	Maximizing the Power Transfer for a Mixed Inductive and Capacitive Wireless Power Transfer System
157043448	Novel Approach for Compliance Testing of WPT Systems with Basic Restrictions
157043534	Real-time Optimization of Coil Positioning in Wireless Power Transfer System for Artificial Heart
157043855	Wireless Power Transfer with Multi-Layer Planar Spiral coils as Secondary Coils
157043424	Numerical Analysis of an Improved Shifting Medium Shell Applied in a Wireless Power Transfer System
157043469	High efficiency Frequency Shift Keying Data Transmission System using Magnetic Resonance Wireless
157043520	Optimization and Analysis of Coplanar Double-Repeater Used in Dynamic Wireless Charging
157043803	Implementation of High-Efficiency Coupling Coil in Wireless Power Transfer System
157043745	Analysis of the Relationship between the Parameters of IPT Transformer and Power Efficiency
157043408	Antenna Polarization Alignment Using Intermodulation for Multi-Site Wireless Power Transfer
157043865	Wireless Power Transfer Link for RFID Telemetry System Applied to Laboratory Rodent Monitoring
157043746	Design, Simulation and Measurement of Flexible PCB Coils for Wearable Device Wireless Power Transfer
157043876	A Power Scavenging Current Transformer to Remotely Power-on Wearable Sensors in Grid Monitoring
157043467	Maximum Transfer Efficiency of MIMO-WPT System
157043808	A Simple Technique for Characterization of WPT Coils
157043258	High FOM Dual-Band Wireless Power Transfer using Bow-Tie Defected Ground Structure Resonators
157043879	IoT Multipoint Sensing System Using Ambient Wireless Networks

June 6th, WEDNESDAY 2:00pm (WPTC track A & Track B)

WPTC-W2A - HF switching circuits	Chair: Makoto Takamiya
157043807	Real-time Optimization of Coil Positioning in Wireless Power Transfer System for Artificial Heart
1570430779	A Simple and Effective Synchronization Technique for Wireless Power Transfer System
157043460	Isolated Cuk Converter with Two Symmetrical Output Voltages for SRM Drive
157043862	13.56MHz SSW Load-Independent Synchronous Class E Rectifier for Space-Constrained Applications
157043459	Capacitive Power Transfer based on Compensation Circuit for Class E Resonant Full-Wave Rectifier
157043459	Constant Voltage Output with Coupling- and Load-Independent 2PA in LLC-C Compensated IPT System

WPTC-W2B - Focused session on Bio-medical applications

WPTC-W2B - Focused session on Bio-medical applications	Chair: YongJin Guo - co-chair: Zhihua Wang
1570434587	Zhihua Wang: Enhancement Method of Efficiency and Working Range in Biomedical Wireless Power Transfer (Invited)
1570434627	(YongJin Guo) Variable-band Rectifier with Adaptive Matching Network for Wireless Power Transfer system
157043808	(sohn ho) Wireless Photonic Photodynamic Therapy
157043854	(Chin-Lung Tang) Lateral and Angular Misalignment Tolerance Enhanced Coil Using Mixed Electric and Magnetic Coupling
1570435487	Achieving Electromagnetic Compatibility of WPT Antennas for Medical Imaging in MRI

June 6th, WEDNESDAY 2:00pm (WPTC track A & Track B)

WPTC-W3A - Innovative WPT strategies/topologies	Chair: Zhihua (David) Chen
157043415	A Simple Reconfigurable Planar Array for MCR-WPT System
1570434917	Contactless Power Transfer Using Capacitive Resonant Single-Conductor Structure
157043860	Scalable Model of Planar Square One-turn Inductors for Wireless Power Transfer Applications
1570434687	Design of Standard-compliant Non-galvanic HF RFID Cards
157043249	Smart Multi-Coil-based Magnetic Resonance Prototype for Wireless Power Transfer

WPTC-W3B - SHARP anniversary special session

WPTC-W3B - SHARP anniversary special session	Chair: Naoki Shinohara & Simon Heinrich
157044004	Presentation of the SHARP experiment
157044004	Paul Jaffe: comparison of power beaming (Invited session talk)
157043738	Naoki Shinohara - History of Research and Development of Beam Wireless Power Transfer
157044005	Gay Pignolet: "Grand Basin" Case Study: An Original Proof-Of-Concept Prototype for Wireless Power Transportation
157043882	Experimental research and design of microwave power transmission system for SPSS application

June 7th, THURSDAY 10:20am (single WPTC track)

WPTC-Thur2 - MCR WPT application/case study	Chair: Morris Kesler
157044003	Morris Kesler: Witricity paper (Invited)
157043490	Validation of the Design of an 11kW Inductive Charging Prototype on a New Test Bench for WPT Systems
157043819	Basic Study for Wireless Power Transfer to a Pipeline Inspection Robot
157043475	Experimental Study on Over 10 Meters Magnetic Resonance Wireless Power Transfer under Sea with Coils
157044028	A Wireless Power Transfer System for MRI Scanners
157043878	Omnidirectional inductive wireless charging of a 3D receiver cube inside a box
157043520	Core-Shared Repeater (CSR) Coil Scheme for Low EMI and Efficient WPT System in Ultra-Thin Digital TV
157043690	Digital Coil: Transmitter Coil with Programmable Radius for Robust Wireless Powering
157043493	Enhanced Planar Wireless Power Transfer Systems with Ferrite Material

Technical sessions location: