

Day 1 - 6 December 2020								
1100 – 1240 Singapore/Beijing 1200 – 1340 Tokyo 0830 – 1010 Delhi 0500 – 0640 Tel Aviv 0300 – 0440 London 2200 – 2340 (-1) Washington DC 1900 – 2040 (-1) San Diego (US)	<p>Opening of ICOPS2020</p> <p>SC: Joseph Schumer</p> <p>Plenary 1 - Monica Blank - TA2-S2-005: HIGH-POWER AND HIGH-FREQUENCY GYROTRONS: DEVELOPMENT AND APPLICATIONS</p> <p>SC: Ricky Ang</p> <p>Plenary 2 - Y Y Lau - TA3-S1-063: THE CHILD-LANGMUIR LAW AND THE PHYSICS OF DIODES</p> <p>SC = Session Chair</p>							
<b>PARALLEL SESSIONS</b>								
	<b>D1M1-TA1.1</b> SC: Richard Sydora	<b>D1M2-TA2.1</b> SC: Edl Schamiloglu	<b>D1M3-TA3.1</b> SC: Yee Sin Ang	<b>D1M4-TA4.1</b> SAC: Mary Ann Sweeney	<b>D1M5-TA5.1</b> SC: Xinpei Lu	<b>D1M6-TA6.1</b> SC: Juergen ROEPCKE	<b>D1M7-TA7.1 + TA7.2</b> SC: Frank Hegeler	<b>D1M8-TA8.1</b> SC: Rohit Medwal
	TA1-S1-019 - A Smolyakov Title: INSTABILITIES, STRUCTURES AND TRANSPORT IN PARTIALLY MAGNETIZED EXB PLASMAS (Invited Talk - 30 min)	TA2-S1-002 Zhaoyun Duan Title: RECENT ADVANCES IN INTENSE MICROWAVE GENERATION USING METAMATERIALS (Invited Talk - 30min)	TA3-S1-053 - Juncong She Title: TIPS-BASED INTEGRATED FIELD ELECTRON EMISSION SOURCES AND THE POTENTIAL APPLICATIONS (Invited Talk - 30min)	TA4-S1-013 - Adam Harvey-Thompson Title: IMPROVED PERFORMANCE OF MAGNETIZED LINER INERTIAL FUSION EXPERIMENTS WITH HIGH-ENERGY, LOW-MIX LASER PREHEAT CONFIGURATIONS (Invited Talk - 30min)	TA5-S1-045 - Deanna Lacoste Title: PLASMA-ASSISTED COMBUSTION ABOVE ATMOSPHERIC PRESSURE: CHALLENGES AND OPPORTUNITIES (Invited Talk - 30min)	TA6-S1-028 - Chunlei Feng Title: LASER SPECTROSCOPIC DIAGNOSIS OF ACTIVE SPECIES IN ATMOSPHERIC DISCHARGE PLASMA (Invited Talk - 30min)	TA7-S1-002 - Zheng Zhao Title: VOLUME AND SURFACE MEMORY EFFECTS ON THE REPEITIVELY PULSED SURFACE STREAMER DISCHARGE IN HIGH PRESSURE NITROGEN (15min)	TA8-S1-003 - MAKOTO NAKAIMA Title: ULTRAFAST SPIN SPECTROSCOPY AND CONTROL IN THE MAGNETIC MATERIALS BY TERAHERTZ PULSES (Invited Talk - 30min)
	TA1-S1-008 - Yong-Xin Liu Title: BREAKDOWN PROCESS OF A CAPACITIVELY COUPLED RF DISCHARGE IN ARGON (15 min)	TA2-S1-016 - Dian Zhang Title: PROGRESS IN HIGH POWER MILLIMETER WAVE SOURCES (Invited Talk - 30min)	TA3-S1-008 - wei yang Title: SILICON OXIDE BASED ON-CHIP ELECTRON SOURCES (15min)	TA4-S1-014 - Ji Yan Title: THE INFLUENCE OF DRIVEN ASYMMETRY ON YIELD DEGRADATION IN TRIPLE-SHAPE INDIRECT DRIVE IMPLSION ON THE 100KJ LASER FACILITY (Invited Talk - 30min)	TA5-S1-047 - Gregor Primc Title: ADVANCED TECHNOLOGIES FOR INDUSTRY 4.0: A CHALLENGE FOR PLASMA SCIENTISTS (Invited Talk - 30min)	TA6-S1-006 - Sivanandan Harilal Title: LASER-INDUCED FLUORESCENCE SPECTROSCOPIC ANALYSIS OF U AND PU PLASMAS (15min)	TA7-S1-015 - Micah LaPointe Title: ELECTRICAL BREAKDOWN THRESHOLD OF INSULATED AND BARE COPPER CONDUCTORS UNDER LIGHTNING EXCITATION (15min)	TA8-S1-007 - Yasuhiro Fukuma Title: SPIN TO CHARGE CONVERSION FOR TERAHERTZ SPINTRONICS (Invited Talk - 30min)
	TA1-S1-040 - Sayan Biswas Title: PARAMETRIC INVESTIGATION OF NANO-SECOND PULSED DISCHARGE AND BREAKDOWN BEHAVIOR AT HIGH-PRESSURE FOR PIN-TO-PIN CONFIGURATION (15 min)	TA2-S1-017 - Edl Schamiloglu Title: RECENT ADVANCES ON THE MAGNETRON WITH DIFFRACTION OUTPUT (15 Min)	TA3-S1-018 - Meytal Siman-Tov Title: GENERATION OF SPACE CHARGE SELF-OSSILLATIONS IN A VACUUM DIODE (15min)	TA4-S1-011 - Matteo Barbarino Title: IAEA'S FUSION RESEARCH ACTIVITIES (15min)	TA5-S1-002 - Xinpei Lu Title: A PLASMA JET ARRAY DEVICE FOR TRANSFORMAL DRUG DELIVERY (15min)	TA6-S1-010 - wanlian li Title: WATER EVAPORATION IN PLASMA-LIQUID INTERACTION AND ITS EFFECTS ON AQUEOUS SPECIES PRODUCTION (15min)	TA7-S1-016 - Ivan Aponte Title: A STUDY ON THE CONTRIBUTING FACTORS OF RF BREAKDOWN IN ATMOSPHERIC AIR* (15min)	TA8-S1-008 - Masahiko Tani Title: TERAHERTZ EMISSION PROPERTIES FROM FE/PT METALLIC SPINTRONIC HETERO-STRUCTURES (Invited Talk - 30min)
	TA1-S1-061 - RIDIP SARMA Title: INSTABILITY INDUCED MODULATION OF SOLITONS IN A LINEAR AND NONLINEAR REGIME OF STRONGLY DISPERSIVE POSITRON BEAM DRIVEN PLASMA (15 min)	TA2-S1-007 - Alena Rostuntsova Title: FORMATION OF MICROWAVE SOLITONS TRANS DUE TO MODULATION INSTABILITY UNDER CYCLOTRON RESONANCE INTERACTION OF INITIALLY RECTILINEAR ELECTRON BEAM WITH BACKWARD ELECTROMAGNETIC WAVE (15 min)	TA3-S1-037 - Thuc Bui Title: RECENT ADVANCES IN BEAM OPTICS ANALYZER (15min)	TA4-S1-016 - Zhongjing Chen Title: MEASUREMENT OF THE HOT-SPOT SELF-EMISSION IMAGES AND ASYMMETRY TUNING BY VARYING BEAM CONE FRACTION (15min)	TA5-S1-003 - Miran Mozetic Title: SO2 PLASMA AS AN EXTENSIVE SOURCE OF UV RADIATION (15min)	TA6-S1-013 - XING ZHANG Title: THE ADVANCED X-RAY IMAGING TECHNIQUES WITH A HIGH SPATIAL RESOLUTION FOR THE ICF IMPLSION DIAGNOSTICS ON THE 100KJ LASER FACILITY (15min)	TA7-S1-020 - Chris Williamson Title: BREAKDOWN OF COMPOSITE ESTER-POLYMER INSULATION UNDER LIGHTNING IMPULSE STRESS (15min)	TA8-S1-001 - Fei Fan Title: THE NONRECIPROCAL MANIPULATION OF TERAHERTZ WAVE BASED ON MAGNETO-OPTIC METASURFACE (15min)
1300 – 1500 Singapore/Beijing 1400 – 1600 Tokyo 1030 – 1230 Delhi 0700 – 0900 Tel Aviv 0500 – 0700 London 0000 – 0200 Washington DC 2100 – 2300 (-1) San Diego (US)	TA1-S1-065 - ANIS S BAKRI Title: CHARACTERIZATION OF GAN/ALN ON Si USING CONVENTIONAL RF MAGNETRON SPUTTERING (15 min)	TA2-S1-010 - John Booske Title: EXPERIMENTAL STUDIES OF A METAMATERIAL-ENHANCED RESISTIVE WALL AMPLIFIER* (15 min)	TA3-S1-048 - Kristinn Torfason Title: EFFECTS OF SURFACE INHOMOGENEITIES IN FIELD AND THERMAL-FIELD EMISSION (15min)	TA4-S1-019 - Uri Shumlak Title: SHEAR-FLOW-STABILIZED Z PINCH AS A COMPACT FUSION DEVICE (15min)	TA5-S1-016 - Shuqun Wu Title: HIGH-ELECTRON-DENSITY MICROPLASMA AND ITS POTENTIAL APPLICATION IN TERAHERTZ FILTER (15min)	TA6-S1-016 - hongbin ding Title: SPECTROSCOPIC DIAGNOSIS (15min)	TA7-S1-021 - David Sirajuddin Title: POWER FLOW SIMULATIONS OF THE Z ACCELERATOR USING EMPIRE (15min)	TA8-S1-004 - Piyush Aggarwal Title: OPTICAL HEATING MEDIATED RECONFIGURABLE TERAHERTZ SPINTRONIC EMITTERS (15min)
	TA1-S1-067 - Shawn W Tang Title: SPIKY ELECTRIC POTENTIAL STRUCTURES IN FLUX ROPE EXPERIMENTS (15 min)	TA2-S1-005 - Arti Hadapp Title: SHEET BEAM DRIVEN METAMATERIAL BACKWARD WAVE OSCILLATOR (15 min)	TA3-S1-050 - Palak Jain Title: ESTIMATION OF PLASMA ELECTRON DENSITY INSIDE THE RADIO FREQUENCY INDUCTIVELY COUPLED DRIVER OF SPIDER (15min)	TA4-S1-020 - Jeremy Chittenden Title: MAGNETISATION EFFECTS IN INDIRECT DRIVE INERTIAL CONFINEMENT FUSION (15min)	TA5-S1-054 - Renwu Zhou Title: WHERE PHYSICS MEETS (BIO-)CHEMISTRY: REACTIVE PLASMAS FOR SUSTAINABLE PROCESSING AND ACTIVATION (15 min)	TA6-S1-022 - Ziyao Jie Title: TEMPERATURE DISTRIBUTION AND MEASUREMENT OF ATMOSPHERIC AIR MICROWAVE PLASMA (15min)	TA7-S1-010 - Hongyu Dai Title: RESEARCH ON THE ABLATION OF MULTIPLE ALLOY HUNDREDS KA PULSED ARC (15min)	TA8-S1-005 - Piyush Aggarwal Title: OPTICAL HEATING MEDIATED RECONFIGURABLE TERAHERTZ SPINTRONIC EMITTERS (15min)
	TA1-S1-023 - Kazuki Nagao Title: MEASUREMENT AND BEHAVIOR ANALYSIS OF MODULATED BEAM CURRENT IN A VIRTUAL CATHODE OSCILLATOR (15 min)	TA2-S1-023 - Kazuki Nagao Title: MEASUREMENT AND BEHAVIOR ANALYSIS OF MODULATED BEAM CURRENT IN A VIRTUAL CATHODE OSCILLATOR (15 min)	TA3-S1-054 - Abhijit Jassem Title: A 2-1/2 DIMENSIONAL MODEL OF MIRAM CURVES (15min)	TA4-S1-038 - Bharat Singh Rawat Title: CHARACTERISTIC PERFORMANCE OF A MULTI-APERTURE ION SOURCE FOR APPLICATION IN ION THRUSTER AND MATERIAL PROCESSING (15min)	TA5-S1-049 - Mohamed Chaker Title: PROGRESS IN THE INERTIAL PULSED LASER DEPOSITION: A FLEXIBLE TOOL FOR THE SYNTHESIS OF ADVANCED FUNCTIONAL MATERIALS (Invited Talk - 30min)	TA6-S1-036 - Jean-Pierre H. van Heiden Title: COMPREHENSIVE QUANTITATIVE PLASMA DIAGNOSTIC USING A MID-INFRARED FREQUENCY COMB TO ANALYSE INDUSTRIAL PLASMA PROCESSES (Invited Talk - 30min)	TA7-S1-019 - Xiaoning Zhang Title: THE KEY TECHNIQUES OF PULSE POWER SUPPLY AND ITS APPLICATIONS IN DISCHARGE PLASMA (Invited Talk - 30min)	TA8-S1-001 - CHAO CHANG Title: SIGNAL PROPAGATION IN MYELIN SHEATH AS DIELECTRIC WAVEGUIDE IN THE MID-INFRARED TO TERAHERTZ SPECTRAL RANGE (Invited Talk - 30min)
2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	<b>Poster Session - 1 (List of posters is after parallel sessions below)</b>							
<b>PARALLEL SESSIONS</b>								
	<b>D1N1-TA1.1</b> SC: A. Smolyakov	<b>D1N2-TA2.2 + TA2.1</b> SC: Kimberley Nichols	<b>D1N3-TA3.1</b> SC: Juncong She	<b>D1N4-TA4.1</b> SC: Mary Ann Sweeney	<b>D1N5-TA5.1</b> SC: Miran Mozetic	<b>D1N6-TA6.1</b> SC: Tiberiu MINEA	<b>D1N7-TA7.2</b> SC: David Wetz	<b>D1N8-TA8.2 + TA8.7</b> SC: Yaxin Zhang
	TA1-S1-049 - Richard Sydora Title: DRIFT-ALFVEN FLUCTUATIONS AND TRANSPORT IN MULTIPLE INTERACTING MAGNETIZED ELECTRON TEMPERATURE FILAMENTS (Invited Talk - 30 min)	TA2-S1-018 - Chao-Hai Du Title: STUDY OF BROADBAND-FREQUENCY-TUNING THZ GYROTRONS (Invited Talk - 30 min)	TA3-S1-055 - Yee Sin Ang Title: PHYSICS OF ELECTRON EMISSION FROM TWO-DIMENSIONAL NANOMATERIALS (Invited Talk - 30min)	TA4-S1-018 - Joseph Ralph Title: PROGRESS IN THE INERTIAL CONFINEMENT FUSION EXPERIMENTAL CAMPAIGN ON THE NATIONAL IGNITION FACILITY (Invited Talk - 30min)	TA5-S1-027 - Danhua Mei Title: EFFICIENT CONVERSION OF CO2 AND CH4 INTO VALUE ADDED COMPOUNDS THROUGH PLASMA CATALYSIS PROCESS IN A DIELECTRIC BARRIER DISCHARGE REACTOR (15min)	TA6-S1-025 - Keelon Kang Title: EXPERIMENTAL DEMONSTRATION OF PLASMA ELECTRON DENSITY DIAGNOSIS USING THZ SPECTRAL ENCODING METHOD (15min)	TA7-S1-013 - Hongyu Dai Title: TEMPERATURE DISTRIBUTION ON THE ANODE OF GRAPHITE ELECTRODES IN HIGH-CURRENT PULSED ARC WITH DIFFERENT ATMOSPHERE (15min)	TA8-S1-009 - Kazunori Serita Title: EXTREMELY SENSITIVE BIO-SENSING USING TERAHERTZ SPECTRAL RANGE (Invited Talk - 30min)
	TA1-S1-022 - Denis Eremin Title: NUMERICAL MODELING OF RF MAGNETRON DISCHARGES (15 min)	TA2-S1-020 - Tsun Hsu Chang Title: BROADBAND, TERAHERTZ, FREQUENCY-TUNABLE, REFLECTIVE GYROTRON (Invited Talk - 30)	TA3-S1-064 - John Leopold Title: SQUEEZING A MAGNETIZED RELATIVISTIC ELECTRON BEAM USING A SPLIT CATHODE (15min)	TA4-S1-021 - Stephanie Miller Title: LASER GATE EXPERIMENT FOR INCREASING PREHEAT ENERGY COUPLING EFFICIENCY IN MAGNETIZED LINER INERTIAL FUSION (MAGLIF) (15min)	TA5-S1-033 - Mehrnoush Namini Title: ATMOSPHERIC PRESSURE MICROWAVE PLASMA JET FOR ORGANIC THIN FILM DEPOSITION (15min)	TA6-S1-026 - Akash Tareil Title: ESTIMATION OF RADIATION DECAY CONSTANT OF LASER PRODUCED BRASS PLASMA FROM ITS EMISSION INTENSITIES (15min)	TA7-S1-018 - Victor Bochkov Title: DEVELOPMENT OF HIGH-POWER AND ELECTRONIC VACUUM DEVICES FOR PULSED ELECTROPHYSIC. CURRENT STATUS AND PROSPECTS II (15min)	TA8-S1-015 - Dong Yazhou Title: A BS TO 170 GHz TERAHERTZ FREQUENCY MULTIPLIER BASED ON META STRUCTURE (15min)
	TA1-S1-031 - Genia Vogman Title: INVESTIGATING TRANSPORT PROPERTIES OF LOW-BETA EXB PLASMAS USING HIGH-ORDER CONTINUUM KINETIC SIMULATIONS (15 min)	TA2-S1-006 - Hsin Yu Yao Title: START-OSCILLATION BEHAVIORS OF THE TM-MODE GYROTRON (15 min)	TA3-S1-066 - Adam Darr Title: NEUS THEORY: ELECTRON EMISSION REGIME TRANSITIONS ACROSS LENGTH, PRESSURE, AND TEMPERATURE SCALES (15min)	TA4-S1-023 - Alexander Welikow Title: RAYLEIGH-TAYLOR GROWTH OF ISOLATED BUBBLES AND SPIKES IN LASER-DRIVEN FILMS (15min)	TA5-S1-039 - Florian Krueger Title: PLASMA FOCUS NEUTRON ENERGY MEASUREMENTS USING ZIRCONIUM AND BERILLIUM ACTIVATION DETECTORS (15min)	TA6-S1-032 - Chaulia Verheyen Title: OES OF A CO2-AR MICROWAVE DISCHARGE TO SUPPORT MODELLING (15min)	TA7-S1-024 - vinod kumar Gandhi Title: STUDY OF ELECTRODE PROFILE EFFECTS IN PRESSURIZED SPARK GAP SWITCHES (15min)	TA8-S1-025 - Diwei Liu Title: High-power terahertz gyrotron and its application in DNP-NMR system (15min)
2200 – 2400 Singapore/Beijing 2300 – 0100 (+1) Tokyo 1930 – 2130 Delhi 1600 – 1800 Tel Aviv 1400 – 1600 London 0900 – 1100 Washington DC 0600 – 0800 San Diego (US)	TA1-S1-060 - Sarah Lang Title: THEORETICAL EXAMINATION OF ELECTRON EMISSION FROM LIQUIDS TO GASES (15 min)	TA2-S1-008 - Naum Ginzburg Title: PROTECT OF POWERFUL LONG-PULSE BRAGG FEL OF SUB-THZ TO THZ-BAND: DESIGN AND SIMULATIONS (15 min)	TA3-S1-069 - Nikita Gurjar Title: EXPERIMENTAL ANALYSIS OF PLASMA BASED MINIATURIZED SHEET ELECTRON BEAM SOURCE (15min)	TA4-S1-025 - Stuart Springtham Title: PLASMA FOCUS NEUTRON ENERGY MEASUREMENTS USING ZIRCONIUM AND BERILLIUM ACTIVATION DETECTORS (15min)	TA5-S1-039 - Florian Krueger Title: PLASMA FOCUS NEUTRON ENERGY MEASUREMENTS USING ZIRCONIUM AND BERILLIUM ACTIVATION DETECTORS (15min)	TA6-S1-032 - Chaulia Verheyen Title: OES OF A CO2-AR MICROWAVE DISCHARGE TO SUPPORT MODELLING (15min)	TA7-S1-024 - vinod kumar Gandhi Title: STUDY OF ELECTRODE PROFILE EFFECTS IN PRESSURIZED SPARK GAP SWITCHES (15min)	TA8-S1-025 - Diwei Liu Title: High-power terahertz gyrotron and its application in DNP-NMR system (15min)

TA1-51-064 - J Malayter Title: CALCULATIONS OF WORK FUNCTION AS A FUNCTION OF SURFACE ROUGHNESS PERIOD AND SHAPE (15 min)	TA2-52-010 - Xiaotong Guan Title: STUDY ON A 0.22-THz Gyrotron Traveling Wave Amplifier Based on Conical Waveguide (15 min)	TA3-51-070 - Andrew Sandeman Title: PLASMA CATHODE ELECTRON BEAM FOR HIGH-INTENSITY MATERIALS PROCESSING (15min)	TA4-51-033 - Shigeo KAWATA Title: PHASE-CONTROLLED NON-UNIFORMITY MITIGATION OF FUEL TARGET IMPLSION IN HEAVY ION INERTIAL FUSION (15min)	TA5-51-040 - Mackenzie Meyer Title: INTERACTIONS BETWEEN ATMOSPHERIC PRESSURE HUMID HELIUM PLASMAS AND LIQUID WATER DROPLETS (15min)	TA6-51-046 - Jaemin Song Title: INFLUENCE OF WALL CONDITIONING STATE ON AR PLASMA EMISSION IN A PROCESSING CHAMBER (15min)	TA7-52-025 - Raymond Allen Title: PFL OUTPUT SWITCH OPTIONS FOR GAMBLE III (15min)	TA8-57-026 - Mohammad Samizadeh Nikoo Title: NANOPLASMA-ENABLED PICOSECOND SWITCHES FOR ULTRA-FAST ELECTRONICS AND HIGH-POWER THz SOURCES (15min)
TA1-51-068 - Shahriar Mirpour Title: THE ROLE OF HYDROMETEORS IN LIGHTNING INCEPTION: AN EXPERIMENTAL EVALUATION (15 min)	TA2-51-022 - Mae Almansoori Title: COMBINING EXTREME VALUES THEORY AND SURROGATE MODELLING FOR THE STUDY OF A VIRACATOR (15mins)	TA3-51-071 - Yingbin Zhu Title: SPACE CHARGE LIMITED CURRENT FOR HOT ELECTRON (15min)	TA4-51-034 - Mohamed Kandil Title: NUMERICAL EXPERIMENT ON DUAL-STAGE PLASMA FOCUS (15min)	TA5-51-041 - Jordyn Polito Title: MODELING OF NANOPARTICLE GROWTH AND CHARGING IN FLOWING PLASMAS (15min)	TA6-51-048 - Salvador Portillo Title: SPECTROSCOPIC INVESTIGATION OF PLASMAS PRODUCED BY HELIUM CATHODES (15min)	TA7-52-030 - Anton Gusev Title: A NEW APPROACH FOR TRIGGERING THYRISTORS IN IMPACT-IONIZATION WAVE MODE USING AN AVALANCHE 5-DIODE (15min)	TA8-52-002 - yongshan liu Title: LABEL-FREE BIOSENSING BASED ON INTEGRATION OF SPINTRONIC TERAHERTZ EMITTER AND EIT ANALOG METAMATERIAL (15min)
TA1-51-057 - Sandeep Kumar Title: SELF ACTION EFFECTS OF MULTI GAUSSIAN LASER BEAMS IN THERMAL QUANTUM PLASMA (15 min)		TA3-51-072 - Ioannis Filitsis Title: DOUBLE PLASMA SHOCK AFTER PINCHING IN TABLE-TOP PLASMA FOCUS DEVICE (15min)	TA4-51-037 - Gabriel Shipley Title: EXPLORING MAGNETO-RAYLEIGH-SCATTER INSTABILITY DEVELOPMENT IN SOLID LINER DYNAMIC SCREW PINCHES USING THREE-DIMENSIONAL MAGNETOHYDRODYNAMIC MODELING (15min)		TA6-51-052 - Mikhail Gromov Title: INVESTIGATION OF NO RADICALS AND C ATOMS KINETICS IN PIN-LIQUID NANOSECOND PULSED DISCHARGE BY ACTIVE LASER DIAGNOSTICS (15min)		
2hrs	2hrs	2hrs	2hrs	1 hr 45 min	2hrs	1.5hrs	1.5hrs

Time	Poster Session - 1							
TA1-51-009 - SAMIRAN DAS Title: DUST-ION ACOUSTIC SOLITARY WAVES IN DUSTY PLASMA WITH CARBON'S DISTRIBUTED ELECTRONS	TA2-51-003 - Huida Wang Title: EXPERIMENTAL INVESTIGATION OF DENSITY BUNCHING AND ITS POWER INFLUENCE IN A RELATIVISTIC BACKWARD WAVE OSCILLATOR WITH LOW MAGNETIC OPERATION	TA3-51-013 - Zhwei Li Title: HIGHLY EFFICIENT HORIZONTAL TUNNEL DIODE ELECTRON SOURCES	TA4-51-003 - Shuyu Dai Title: IMPACTS OF BOMBARDMENT ENERGY ON HYDROGEN REFLECTION FROM A TUNGSTEN FUZZ SURFACE	TA5-51-006 - Xiaotong Guan Title: SURFACE MODIFICATION OF VERTICAL GRAPHENE BY ATMOSPHERIC PRESSURE PLASMA JET	TA6-51-015 - Saigbin Park Title: MEASUREMENT ON TEMPERATURE AND ELECTRICAL CONDUCTIVITY OF AN EXPLODING COPPER WIRE IN WARM DENSE MATTER REGIME	TA7-51-003 - Zheng Zhao Title: PERIODICAL DISCHARGE MODE TRANSITION IN ATMOSPHERIC PRESSURE NITROGEN UNDER REPETITIVE 20 KV/15-NS PULSES	TA8-51-002 - Haihui Zhao Title: TOPOLOGICAL INSULATOR SOURCE FOR TERAHERTZ CIRCULAR DICHOISM SPECTROSCOPY	
TA1-51-011 - Matthew Hopkins Title: EMPLOYING NANOSCALE SURFACE CHARACTERIZATIONS IN A FIELD EMISSION MODEL	TA2-51-006 - Alena Rostunsova Title: SELF-SIMILAR CHARACTER OF SHORT PULSE AMPLIFICATION AND GENERATION BY RECTILINEAR ELECTRON BEA	TA3-51-015 - Xianlong Wei Title: ON-CHIP THERMIONIC ELECTRON MICRO-EMITTER ARRAYS BASED ON CARBON NANOTUBE FILMS	TA4-51-007 - Zhanghu Hu Title: ENHANCED COLLECTIVE STOPPING AND IFT OF ELECTRON BEAMS IN FUSION PLASMAS WITH HEAVY ION SPECIES	TA5-51-008 - Latakusum pokharel Title: MODIFICATION OF HYDROPHILICITY OF COTTON USING ATMOSPHERIC PRESSURE DIELECTRIC BARRIER DISCHARGE	TA6-51-019 - Ashish Ganguli Title: NOVEL METHODOLOGY FOR CHARACTERIZING NON-LINEAR HARMONICS IN RADIO FREQUENCY DISCHARGES	TA7-51-004 - Ziyi Zhang Title: EFFECTS OF AN EXTERNAL DC MAGNETIC FIELD ON RESONANT MULTIPLACATOR BETWEEN TWO DIELECTRIC SURFACES	TA8-51-006 - John Rev Mohan Title: VOLTAGE CONTROLLED MAGNETIZATION DYNAMICS OF PERMALLOY ON PMN-PT (011) SINGLE CRYSTAL	
TA1-51-013 - Haoqin Zhang Title: The Diffusion Charging of Nanometer Aerosol Particles	TA2-51-015 - Liangjie Bi Title: ANALYSIS OF COUPLED SPACE HARMONICS IN MILLIMETER-WAVE OVERMODED CORRUGATED STRUCTURES WITH FINITE AND INFINITE LENGTH	TA3-51-017 - Denis Zolotukhin Title: DEPOSITION OF COMPOSITE MAGNETO-DIELECTRIC COATINGS USING FOSC-VACUUM PLASMA-CATHODE ELECTRON SOURCE	TA4-51-015 - Ji Yan Title: THE EXPERIMENT INVESTIGATION OF LASER-PLASMA INTERACTION OF DIRECT IVE LASER WITH INTENSITY OVER 1015W/CM2 UNDER 200EV RADIATION BACKGROUND ON THE 100KJ LEVEL LASER FACILITY	TA5-51-011 - Zhan Shu Title: CATALYST-FREE PLASMA-ASSISTED NITROGEN FIXATION BY DC AIR-GLOW DISCHARGE: EFFECT OF GAS TEMPERATURE	TA6-51-024 - Jay Angel Title: ZEEMAN SPECTROSCOPIC DETERMINATION OF MAGNETIC FIELD IN MAGNETIZED PLASMA EXPANDING INTO VACUUM	TA7-51-008 - LIN YINGYING Title: SYNTHESIS OF METAL/CARBON NANO-COMPOSITE BY GAS/LIQUID DISCHARGE PLASMA UNDER PRESSURE	TA8-52-003 - Yingwei Li Title: EFFECTS OF LOW INTENSITY OF BROADBAND TERAHERTZ RADIATION ON THE GROWTH AND DEVELOPMENT OF NEURONS	
TA1-51-020 - Priti Singh Title: PRODUCTION OF HYDROGEN PLASMA BY COMPACT ECR SOURCE FOR EFFICIENT VOLUME GENERATION OF H <sup>+</sup> IONS	TA2-51-020 - Ryota Tanaka Title: CHARACTERISTICS OF OUTPUT MICROWAVE IN REFLECTIVE TRIODE VIRTUAL CATHODE OSCILLATOR WITH ELLIPTICAL ELECTRODES	TA3-51-022 - Fangyuan Zhan Title: A NEW MECHANISM OF ELECTRON EMISSION FROM ISLAND METAL FIL BASED ON HORIZONTAL TUNNELING DIODE FORMED IN SUBSTRATE	TA4-51-022 - Jayesh Ganj Title: MODELING OF FAST WAVE INTERACTION WITH SST-1 TOKAMAK LIKE PLASMA USING GENRAY CODE	TA5-51-015 - Xingyu Chen Title: SURFACE CHARGE SUPPRESSION AND SURFACE INSULATION STRENGTH ENHANCEMENT OF EPOXY RESIN VIA PLASMA-ENHANCED MAGNETRON SPUTTERING	TA6-51-027 - Ahmed Elshafey Title: HYBRID X-PINCH OPTIMIZATION	TA7-51-014 - Max Flynn Title: ASSESSING THE BREAKDOWN STRENGTH OF INSULATING GASES USING A MULTI-TERM BOLTZMANN EQUATION MODEL	TA8-53-009 - Xianbin Yu Title: NONLINEARITY-AWARE DISCRETE MULTI-TONE TERAHERTZ WIRELESS COMMUNICATIONS ACCELERATED BY PHOTONICS	
TA1-51-023 - RAMESH NARAYANAN Title: ROLE OF BOUNDARY WALL AND ASYMMETRIC ELECTRODES ON BEHAVIOUR OF ANODE GLOW IN PLANAR DC DISCHARGE	TA2-51-021 - Ernesto Neira Title: STATISTICAL STUDY OF THE PERVEANCE IN A VIRACATOR SURROGATE MODEL TO CONSIDER THE PLASMA EXPANSION	TA3-51-039 - Dr Debasprad Sahu Title: STUDIES ON HYDROGEN PLASMA IN AN ECR BASED LARGE VOLUME CHAMBER	TA4-51-028 - Peter Stoltz Title: BENCHMARKING NON-IDEAL MHD MODELS OF ELECTROTHERMAL EFFECTS	TA5-51-024 - Jumal Ibrahim Title: PLASMA POLYMERISATION OF AMINE THIN COATINGS WITH A SURFACE BARRIER DISCHARGE AT ATMOSPHERIC PRESSURE	TA6-51-031 - Davide Del Cont Bernard Title: ELECTRIC FIELD MEASUREMENTS IN A PLASMA ASSISTED COMBUSTION BURNER	TA7-51-017 - Jessica Title: A SUPERSONIC UNDERWATER PULSED ACOUSTIC SOURCE	TA8-53-010 - Mengyao Qiao Title: BEYOND 100 GBIT/S LENS-FREE PHOTONIC WIRELESS TRANSMISSION OF PS-16QAM-OFDM SIGNALS IN THE 350 GHZ BAND	
TA1-51-024 - Dong Yang Title: STUDY ON CHARACTERISTICS OF DC CORONA DISCHARGE IN A FLOWING TWO-PHASE MIXTURE	TA2-52-011 - Jiyi Zhang Title: COAXIAL CORRUGATED ELECTROSTATIC WIGGLER FOR FREE ELECTRON LASER	TA3-51-049 - Kushagra Singhal Title: ANALYSIS OF INTER-ELECTRODE GAP STRUCTURE ON THE GENERATION OF PSEUDOSPARK SOURCED ELECTRON BEAM	TA4-51-035 - Ken Uchibori Title: DEVELOPMENT OF 3D FUEL TARGET IMPLSION SIMULATION CODE IN HEAVY ION INERTIAL FUSION	TA5-51-025 - Francesco Di Sabatino Title: INFLUENCE OF NANOSECOND REPETITIVELY PULSED PLASMA DISCHARGES ON THE STABILITY LIMITS OF PREMIXED METHANE SWIRL FLAMES AT ELEVATED PRESSURES	TA6-51-033 - Sven Groeger Title: DETERMINATION OF THE PLASMA PARAMETERS OF AN RF-IGNITION SYSTEM IN A HELIUM/NITROGEN MIXTURE	TA7-52-006 - Yuchen Liu Title: RESEARCH ON THE INITIAL PLASMA PROCESS OF THE LASER-TRIGGERED VACUUM SWITCH	TA8-54-005 - Huajie Liang Title: RESEARCH ON THE LASER-SHIFTING BASED ON HOLE-ROD ARRAY VIA PHOTOCOORROL VANADIUM DIOXIDE	
TA1-51-030 - Jonathan Wurtele Title: THE ROLE OF NONNEUTRAL PLASMA PHYSICS IN ANTIHYDROGEN SYNTHESIS	TA2-53-007 - Ranajoy Bhattacharya Title: PERTURBATIONS IN CROSS-FIELD DEVICES	TA3-51-051 - Agst Valfells Title: DEVIATION FROM THE 3-D CHUD-LANGMUIR LAW AT THE MICROSACLE	TA4-51-036 - Hiroki Nakamura Title: FUEL TARGET INJECTION INTO HEAVY-ION INERTIAL FUSION REACTOR	TA5-51-026 - Ying WANG Title: BIMETALLIC NANOSTRUCTURES FABRICATED BY ATMOSPHERIC MICROPLASMA	TA6-51-038 - Robert Beattie-Rosberg Title: MOIRÉ DEFLECTOMETER MEASUREMENTS OF PLASMA GENERATED FROM HIGH ENERGY, HIGH CURRENT FIELD EMISSION CATHODES DRIVEN BY UNM'S LINEAR TRANSFORMER DRIVER	TA7-52-015 - Jiaqi Yan Title: INVESTIGATIONS OF CURRENT QUENCHING IN PSEUDOSPARK DISCHARGE	TA8-54-021 - Wenxin Liu Title: THERMAL CHARACTERISTICS OF MULTI-STAGE DEPRESSED COLLECTOR FOR TERAHERTZ TRAVELING WAVE TUBES	
TA1-51-032 - Sebastian Wilczek Title: DYNAMICS OF THE ELECTRON TEMPERATURE AND POWER ABSORPTION IN CAPACITIVELY COUPLED RADIO FREQUENCY DISCHARGES	TA2-53-012 - Robert Ives Title: A 1.3 GHz 100 KW ULTRA-HIGH EFFICIENCY KLYSTRON	TA3-51-052 - Troy Powell Title: EFFECTS OF VACUUM IMPEDANCE CHANGES ON MITL FLOW USING 3D ELECTROMAGNETIC PIC SIMULATIONS	TA4-51-039 - LIM LIAN KUANG Title: RADIATION COOLING EFFECT ON THE PLASMA FOCUS PINCH	TA5-51-043 - Zane Coñick Title: NON-EQUILIBRIUM MATERIALS PROCESSING USING GIGASPLIT-RING RESONATOR MICROPLASMA RESONATORS	TA6-51-039 - Sayak Bhattacharjee Title: LOCAL OPTICAL EMISSIVITY IN A STEADY STATE PLASMA CONFINED BY A DIPOLE MAGNET	TA7-52-020 - Shen Shou Max Chung Title: PARTICLE-IN-CELL SIMULATION ON SPARK GAP	TA8-54-022 - Jing Yin Title: FRACTIONALLY NON-UNIFORM CODING METASURFACES FOR TERAHERTZ BEAM CONTROL WITH FREQUENCY SWEEPING	
		TA3-51-056 - Monika Yadav Title: NONLINEAR PROPAGATION OF Q-GAUSSIAN LASER BEAM IN PLASMAS AND SUBSEQUENT ELECTRON ACCELERATION	TA4-51-043 - Heba Biharat Title: EFFECTS OF ELECTRODE BIASING ON THE STOR-M TOKAMAK PLASMA	TA5-51-057 - Jozsef Huran Title: ELECTRON BEAM-PLASMA VACUUM DEPOSITION OF VERY THIN NANOSTRUCTURED CARBON FILMS: PHOTOCATHODE APPLICATION	TA6-51-040 - Terumica Ryu Title: VELOCITY-DIAMETER RELATION OF NANOSECOND PULSED STREAMER HEAD IN COAXIAL ELECTRODE		TA8-54-023 - Jing Yin Title: THERMAL CHARACTERISTICS OF MULTI-STAGE DEPRESSED COLLECTOR FOR TERAHERTZ POLARIZATION CONVERSION MODULATOR	
		TA3-51-068 - Victor Burdovtsein Title: FOREVACUUM PLASMA ELECTRON SOURCE OF A FOCUSED BEAM BASED ON A HOLLOW CATHODE DISCHARGE IN A LONGITUDINAL MAGNETIC FIELD		TA5-51-045 - Christopher Durot Title: PRELIMINARY RESULTS TOWARD THE BUILD-UP OF LIF-DIP SPECTROSCOPY TO MEASURE ELECTRIC FIELD	TA6-51-051 - Kenito Kimura Title: DIAGNOSTICS METHOD FOR 2D VELOCITY DISTRIBUTION FUNCTION OF BEAM DEUTERONS USING VISIBLE LIGHT SPECTRA OF ENERGETIC 3He IN DEUTERIUM PLASMAS	TA7-51-019 - Noriyuki Izumi Title: IMPROVEMENT OF EFFICIENCY OF CRASHED SAND PRODUCTION BY UNDERWATER PULSED DISCHARGE	TA8-51-035 - Bruno Cailler Title: FLAT DIELECTRIC BARRIER DISCHARGE LAMP IN INTERACTION WITH A RESONANT POWER SUPPLY	

2000 – 2200 Singapore/Beijing  
2100 – 2300 Tokyo  
1730 – 1930 Delhi  
1400 – 1600 Tel Aviv  
1200 – 1400 London  
0700 – 0900 Washington DC  
0400 – 0600 San Diego (US)

<b>Time</b>	<b>Day 2 - 7 December 2020</b>
1100 – 1230 Singapore/Beijing 1200 – 1330 Tokyo 0830 – 1000 Delhi 0500 – 0630 Tel Aviv 0300 – 0430 London 2200 – 2330 (-1) Washington DC 1900 – 2030 (-1) San Diego (US)	<b>SC: Farhat Beg</b> Plenary 3 - Yitzhak Maron - TA4-56-018: SPECTROSCOPIC INVESTIGATIONS OF THE ION TEMPERATURE, TURBULENCE, AND CURRENT FLOW IN PULSED POWER SYSTEMS  <b>SC: Michael Keidar</b> Plenary 4 - Shuyan Xu - TA5-53-017: PLASMA SPACE PROPULSION FOR NANOSATELLITE ORBIT CONTROL AND COMPLEX CONSTELLATION FORMATION

**SC = Session Chair**

PARALLEL SESSIONS								
D2M1-TA1.2 SC: Nong Xiang	D2M2-TA2.3 SC: Shaomeng Wang	D2M3-TA3.2 SC: Zhaoyun Duan	D2M4-TA4.2 + TA4.3 SC: Joseph Strehlow	D2M5-TA5.1 SC: Gregor Primc	D2M6-TA6.1 SC: Hongbin DING	D2M7-TA7.3 SC: Weihuan Jiang	D2M8-TA8.3 SC: Xianbin Yu	
TA1-52-008 - A Christleb (Invited Talk - 30 min) Q(N) IMPLICIT-EXPLICIT (IMEX) METHODS FOR NON-IDEAL MHD BASED ON THE METHOD OF LINES TRANSPOSE	TA2-53-020 - Cunjun Ruan (Invited Talk - 30 min) INVESTIGATION ON BROAD BANDWIDTH AND HIGH POWER TERAHERTZ TRAVELING WAVE TUBE BASED ON MULTI-MODE AND HIGH-MODE BEAM WAVE INTERACTION	TA3-52-001 - Chengkun Huang (Invited Talk - 30 min) PHYSICS OF ELECTRON EMISSION AND BEAM DYNAMICS FROM A SINGLE DIAMOND FIELD EMITTER	TA4-52-015 - Krishnamurthy Manchikanti (Invited Talk - 30 min) NOVEL FEATURES IN LASER PLASMA INTERACTION: NEUTRAL ATOM ACCELERATION AND ELECTRON GENERATION	TA5-51-055 - Dawei Liu (Invited Talk - 30 min) TITLE: COLD ATMOSPHERIC-PRESSURE PLASMAS IN DERMATOLOGY: SOURCES, REACTIVE AGENTS, AND THERAPEUTIC EFFECTS (Invited Talk - 30 min)	TA6-51-037 - Zhanshan Wang (Invited Talk - 30 min) EUV AND X-RAY MICROSCOPES FOR PLASMA DIAGNOSTICS	TA7-53-004 - Tatiana Vasileva (Invited Talk - 30 min) HYBRID PLASMAS GENERATION INSIDE DIELECTRIC CONTAINERS	TA8-53-004 - Bo Zhang (Invited Talk - 30 min) TITLE: THZ SEAMLESS SPEED COMMUNICATION SYSTEM BASED ON SOLID STATE TRANSCIVER (Invited Talk - 30 min)	
TA1-52-011 - Chengkun Huang (15 min) A PARTICLE-MESH METHOD FOR THE MODELING OF SYNCHROTRON RADIATION FROM ELECTRON BEAMS	TA2-53-006 - Philip MacInnes (15 min) SELF-INSULATION OF A HIGH-POWER CHERENKOV OSCILLATOR, OPERATING IN THE X-BAND	TA3-52-018 - Zhang Jun (Invited Talk - 30 min) INTENSE RELATIVISTIC CYCLOTRON BEAMS AND DISK BEAMS FOR HIGH POWER MILLIMETER WAVE GENERATION	TA4-53-003 - Ying Tsui (Invited Talk - 30 min) ULTRASHORT LASER GENERATED WARM DENSE MATTER-TRANSITION FROM SOLID TO PLASMA	TA5-51-042 - Xifeng Wang (Invited Talk - 30 min) TITLE: SCALING OF ATOMIC LAYER ETCHING OF SiO2 IN FLUOROCARBON PLASMAS: TRANSIENT ETCHING AND SURFACE ROUGHNESS (15min)	TA6-51-054 - Jianan Wang (15min) LASER-INDUCED FLUORESCENCE ABSOLUTE OH DENSITY AND GAS TEMPERATURE MEASUREMENTS IN A WATER VAPOR BUBBLE MICROSECOND DISCHARGE	TA7-53-013 - WENQIU LI (15min) OPTIMAL ENHANCED RADIATION OF A COLLISIONAL PLASMA LAYER COATED ELECTRICALLY SMALL CYLINDRICAL METALLIC ANTENNA	TA8-53-016 - Tetsuya Kawanishi (Invited Talk - 30 min) TITLE: THZ SEAMLESS NETWORKS FOR FUTURE MOBILE SERVICES (Invited Talk - 30 min)	
TA1-52-010 - Shirshak Dhali (15 min) SCALING OF NON-THERMAL PLASMA BY USING A TRAVELING ELECTRIC FIELD	TA2-53-008 - Robert Ives (15 min) LOW COST, HIGH EFFICIENCY RF SOURCES USING MULTIPLE BEAM TRIODES	TA3-52-006 - Cunjun Ruan (15min) DESIGN OF W-BAND PLANAR DISTRIBUTED THREE-BEAM GUN WITH UNIFORM MAGNETIC FOCUSING	TA4-52-008 - Feiyu Li (15min) ELECTRON DYNAMICS OF DIRECT LASER ACCELERATION IN A PLASMA CHANNEL	TA5-51-051 - Seong Ling Yap (15min) TITLE: EQUIVALENT DOSE OF ATMOSPHERIC PLASMA JET ON INDUCING CELL PROLIFERATION IN HUMAN FIBROBLAST CELL (15min)	TA6-51-055 - Victorien Bouffletier (15min) X-RAY BACKLIGHTER OPTIMIZATION FOR TALBOT-LAU X-RAY DEFLECTOMETRY DIAGNOSTICS OF HIGH INTENSITY LASER EXPERIMENTS	TA7-53-016 - Tae Uk Kang (15min) PARAMETER INVESTIGATION AND ANALYSIS FOR IMPROVING PLASMA CONDUCTIVITY IN THE MHD GENERATION	TA8-53-002 - Jianjun Ma (15min) TITLE: ATTENUATION OF TERAHERTZ WAVES BY WET SNOW, DRY SNOW AND RAIN (15min)	
1300 – 1500 Singapore/Beijing 1400 – 1600 Tokyo 1030 – 1230 Delhi 0700 – 0900 Tel Aviv 0500 – 0700 London 0000 – 0200 Washington DC 2100 – 2300 (-1) San Diego (US)	TA1-52-004 - G. Bagdasarov (15 min) NUMERICAL STUDY OF CAPILLARY DISCHARGE PLASMA DYNAMICS IN 3D	TA2-53-018 - Drew Packard (15 min) CONTROLLED HARMONIC FREQUENCY LOCKING IN THE HARMONIC RECIRCULATING PLANAR MAGNETRON	TA3-52-017 - Yee Sin Ang (15min) IMPROVING ELECTRON INJECTION EFFICIENCY IN TWO-DIMENSIONAL SEMICONDUCTOR BY INTERFACE RESONANCE	TA4-52-016 - Andrea Favalli (15min) MULTI-PROBE RADIOGRAPHY WITH LASER-DRIVEN PARTICLE/X-RAY SOURCES	TA5-51-053 - Xinhang Song (15min) Title: Active Artificial Material Through s3D Microplasma Phonic Crystals (15min)	TA6-51-058 - Kyohel Eguchi (15min) MEASUREMENT OF ELECTRON TEMPERATURE AND ELECTRON DENSITY OF PRIMARY STREAMER DISCHARGE BY LASER THOMSON SCATTERING DIAGNOSTICS IN HELIUM GAS	TA7-53-021 - Geunhyeong Lee (15min) THE ELECTROMAGNETIC VARIABLE ANALYSIS OF 10 KW MHD GENERATOR	TA8-53-012 - Rui Zhang (15min) TITLE: PULSE-BASED INTRA-BODY NANOS-COMMUNICATION AT TERAHERTZ AND OPTICAL BANDS (15min)
TA1-52-018 - Ricky Ang (15 min) FRACTIONAL MODEL OF PLASMA OSCILLATION	TA2-53-021 - Naum Ginzburg (15 min) GENERATION OF A PERIODIC TRAIN OF ULTRASHORT MICROWAVE PULSES BASED ON PASSIVE MODE LOCKING IN A SCHEME WITH TWO PARALLEL ELECTRON BEAMS	TA3-52-024 - Stanislav Smitsky (15min) HIGH-CURRENT ELECTRON BEAM TRANSPORT AND FOCUSING AT THE LINEAR INDUCTION ACCELERATOR	TA4-52-020 - Dalki Kawahito (15min) ION ACCELERATION AND COLLIMATION DRIVEN BY HIGH INTENSITY LASER FIELD FROM MICRO-TUBE TARGET	TA5-51-056 - Jingkal Jiang (15min) TITLE: TUNING PLASMA PARAMETERS TO CONTROL REACTIVE SPECIES FLUXES TO SUBSTRATES FOR INVESTIGATING PLASMA CATALYSIS (15min)	TA6-51-060 - Zhiyuan Jiang (15min) MEASUREMENT OF POSITIVE PULSED STREAMER DISCHARGE PLASMA IN HIGH PRESSURE GAS BY LASER THOMSON SCATTERING DIAGNOSTICS	TA7-53-029 - Itay Giviss (15min) LABORATORY ASTROPHYSICS – COLD ABSORPTION	TA8-53-017 - Claudio Pasolun (15min) TITLE: SUB-THZ TRAVELING WAVE TUBES FOR NOVEL WIRELESS HIGH CAPACITY NETWORKS (15min)	
TA1-52-019 - Cemre Kusoglu-Sarkaya (15 min) DEVELOPMENT OF TWO-DIMENSIONAL SIMULATION FOR GLOW DISCHARGE DETECTORS	TA2-53-022 - Nicholas Jordan (15 min) INITIAL EXPERIMENTS ON THE RECIRCULATING PLANAR MAGNETRON WITH COAXIAL ALL-CAVITY EXTRACTION	TA3-52-025 - Aharon Friedman (15min) A NON PERTURBATIVE SOLUTION OF THE VLASOV EQUATION FOR A RELATIVISTIC CHARGED PARTICLE BEAM	TA4-53-004 - Seong Ling Yap (15min) SOFT X-RAY EMISSION OPTIMIZATION IN PLASMA FOCUS	TA5-51-058 - Qiaojue Liu (15min) NUMERICAL MODELLING OF THE EFFECT OF APPLIED VOLTAGE IN ATMOSPHERIC PRESSURE AIR DIELECTRIC BARRIER DISCHARGE	TA6-51-061 - Zhibait Dubois (15min) ELECTRON PROPERTY ANISOTROPY IN CROSS FIELD DISCHARGES	TA7-53-031 - Joshua Williams (15min) MEASURING SPATIAL DISTRIBUTION OF MAGNETIC FIELDS AROUND COPPER ROD DRIVEN BY HIGH-CURRENT PULSE USING ZEEMAN SPLITTING AND LBS	TA8-53-019 - Claudio Pasolun (15min) TITLE: SUB-THZ TRAVELING WAVE TUBES FOR NOVEL WIRELESS HIGH CAPACITY NETWORKS (15min)	
TA1-52-024 - JT Gudmundsson (15 min) ELECTRON HEATING IN CAPACITIVELY COUPLED DISCHARGES OF COMPLEX CHEMISTRY	TA2-53-027 - Meiqin Liu (15 min) PIC SIMULATIONS OF AN S-BAND SURFACE WAVE MICROWAVE OSCILLATOR USING A TWO-SPERIAL METAMATERIAL STRUCTURE	TA3-52-025 - Aharon Friedman (15min) A NON PERTURBATIVE SOLUTION OF THE VLASOV EQUATION FOR A RELATIVISTIC CHARGED PARTICLE BEAM	TA4-53-005 - SITI NORAYSMIN JAFFAR (15min) DEPOSITION OF CZTS THIN FILM BY HIGH POWER IMPULSE MAGNETRON SPUTTERING					

**Poster Session - 2 (List of posters is after parallel sessions below)**

PARALLEL SESSIONS								
D2N1-TA1.2 SC: Nichelle Bennett	D2N2-TA2.3 SC: Nick Jordan	D2N3-TA3.3 SC: Gennady Shvets	D2N4-TA4.5 SC: Richard Sydora	D2N5-TA5.2 SC: Manabu Tanaka	D2N6-TA6.3 SC: Thomas Trottenberg	D2N7-TA7.3 SC: Rick Spielman	D2N8-TA8.4 SC: Joseph Vas	
TA1-52-014 - Anbang Sun (Invited Talk - 30 min) A COMPUTATIONAL STUDY OF STREAMERS INTERACTING WITH DIELECTRICS	TA2-53-034 - Jirun Luo (Invited Talk - 30 min) THEORETICAL RESEARCH ON MEANDER-LINE SLOW-WAVE STRUCTURE USING FIELD-MATCHING METHODS WITH DYADIC GREEN'S FUNCTIONS OF MULTI-LAYERED PLANE MEDIA	TA3-53-019 - Enam Chowdhury (Invited Talk - 30 min) LIQUID TARGETS FOR NEXT GENERATION LASER-ION ULTRAFAST PLASMA DYNAMICS INSIDE SOLIDS	TA4-53-011 - Paramel Pattathil Rajeev (Invited Talk - 30 min) UNRAVELING LASER-DRIVEN ULTRAFAST PLASMA DYNAMICS INSIDE SOLIDS	TA5-52-006 - Hae June Lee (Invited Talk - 30 min) NUMERICAL MODELS OF NANO POWDER SYNTHESIS USING AN RF PLASMA TORCH	TA6-53-006 - Holger Kersten (Invited Talk - 30 min) NON-CONVENTIONAL DIAGNOSTICS FOR THE INVESTIGATION OF A DIFFUSE COPLANAR SURFACE BARRIER DISCHARGE	TA7-53-032 - Weihuan Jiang (Invited Talk - 30 min) TITLE: SOLID STATE MARK GENERATOR USING BOTH CAPACITIVE AND INDUCTIVE ENERGY STORAGE (Invited Talk - 30 min)	TA8-54-044 - Avraham Gover (Invited Talk - 30 min) TITLE: SPONTANEOUS AND STIMULATED SUPERBANDS OF BUNCHED ELECTRON BEAMS (Invited Talk - 30 min)	
TA1-52-030 - Shenglong Guo (15 min) A FULLY KINETIC SELF-SIMILAR PARTICLE SIMULATION OF ION THRUSTER DISCHARGE CHAMBER	TA2-53-037 - Rebecca Seivour (15 min) EM GENERATION AND AMPLIFICATION VIA FREQUENCY SPATIAL AND TEMPORAL DISPERSIVE ARTIFICIAL MATERIALS*	TA3-53-004 - Peng Zhang (15min) TIME-RESOLVED PHOTOELECTRON SPECTROSCOPY BY TWO-COLOR LASERS WITH A DC BIAS	TA4-53-020 - Adam Higginson (Invited Talk - 30 min) LASER PULSE PROPAGATION THROUGH UNDER-DENSE PLASMA TARGETS, WITH AND WITHOUT EXTERNAL MAGNETIC FIELDS, AND THE GENERATION OF LASER PLASMA INSTABILITIES	TA5-52-007 - Yasunori Tanaka (Invited Talk - 30 min) DEVELOPMENT OF A TRANSIENT MODEL ON EVAPORATION PROCESS OF FEEDSTOCK PARTICLES INJECTED IN MODULATED INDUCTION THERMAL PLASMAS FOR NANOPARTICLE SYNTHESIS	TA6-53-007 - Jens Oberherr (Invited Talk - 30 min) PROBE ON THE MULTIPOLE RESONANCE OF THE MULTIPOLE RESONANCE PROBE	TA7-53-036 - Njomba Ibrahim (Invited Talk - 30 min) TITLE: A NOVEL SUBNANOSECOND PULSED POWER SYSTEM FOR BIO-MEDICAL APPLICATIONS (15min)	TA8-54-024 - Feng Lan (Invited Talk - 30 min) TITLE: DIGITALLY STEERABLE TERAHERTZ META-HEMT ANTENNA (Invited Talk - 30 min)	
TA1-52-048 - Svetlana Artaeva (15 min) MODELING PROPERTIES OF THE DBD IN AR-S2 MIXTURES USING A 1D FLUID MODEL	TA2-53-040 - Liang Zhang (15 min) EXTENDED INTERACTION OSCILLATOR DRIVEN BY A PSEUDOSPARK-SOURCED BEAM AT 0.4 THZ	TA3-53-005 - Xiao Xiong (15min) FIELD EMISSION BY ATOMIC-THICK DIELECTRIC COATING	TA4-53-030 - Gennady Shvets (Invited Talk - 30 min) LASER-ION LENS AND ACCELERATORINSTABILITIES	TA5-52-008 - Antoine Sahab (15min) NET EMISSION COEFFICIENT TO MODEL RADIATIVE TRANSFER IN HIGH INTENSITY DISCHARGE (HID) LAMPS	TA6-53-003 - Thomas Trottenberg (15min) EXPERT ON SOLID BOUNDARIES	TA7-53-037 - Gilbert Collins IV (Invited Talk - 30 min) TITLE: ANALYSIS OF LASER-CUT, HYBRID, AND WIRE X-PINCH DYNAMICS AND THEIR USE AS AN X-RAY SOURCE FOR TALBOT-LAU DEFLECTOMETRY USING A 200 KA CURRENT DRIVER (15min)	TA8-54-001 - Yindong Huang (15min) TITLE: COLLISION-INTRODUCED ENHANCEMENT OF ROTATIONAL TRANSITION IN CARBON MONOXIDE BASED PLASMA (15min)	
TA1-52-039 - Kameswar DPSL (15 min) DYNAMICS OF COLLINER COUNTERPROPAGATING LASER PLASMAS UNDER AMBIENT ATMOSPHERIC CONDITIONS	TA2-53-041 - Tyler Buntin (15 min) EXPLOSIVE EMISSION CATHODE EVALUATION FOR A MAGNETICALLY INSULATED LINE OSCILLATOR	TA3-53-020 - Cyrus Nejat (15min) MAGNETIC NOZZLE WITH MAGNETIC CONFINEMENT CONFIGURATION	TA4-53-009 - Arohi Jain (15min) ENHANCED PULSE-COMPRESSION FROM TUNNEL-IONIZED PLASMA INTERACTIONS WITH A LASER PULSE	TA5-52-009 - Takayuki Watanabe (15min) ANALYSIS OF DISCHARGE CHARACTERISTICS OF WATER THERMAL PLASMA WITH MIST GENERATION BY HIGH-SPEED CAMERA	TA6-53-005 - SHIVAM GUPTA (15min) DETAILED COLLISIONAL RADIATIVE MODEL FOR LOW-TEMPERATURE NEON PLASMA	TA7-53-038 - Jean Larhaig (Invited Talk - 30 min) TITLE: INVESTIGATING FAST WIDE BAND SEMICONDUCTORS DRIVING USING EITHER FPGA OR MICRO CONTROLLER (15min)	TA8-54-009 - Jierong Cheng (15min) TITLE: LOW-INDEX 3D-PRINTABLE METAGRIDS FOR EXTREME BEAM-BENDING AT SUB-TERAHERTZ (15min)	
TA1-52-041 - Sun Guoxiang (15 min) SIMULATION INVESTIGATIONS ON INITIAL PHASES OF PSEUDOSPARK DISCHARGE WITH EXTERNAL RLC CIRCUIT	TA2-53-045 - Jose Rossi (15 min) RESEARCH STATUS ON NONLINEAR TRANSMISSION LINES FOR RF GENERATION	TA3-53-021 - Meytal Siman-Tov (15min) GENERATION OF PERIODIC BUNCHES FROM A SQUEEZED ELECTRON BEAM IN A RESONANT CAVITY	TA4-53-015 - Vasily Pozdnyakov (15min) TWO-DIMENSIONAL SIMULATIONS OF LASER SHOCK PNEERING WITH WATER CONFINEMENT	TA5-52-012 - Thorben Kewitz (15min) GENERATION OF THE LOCAL SEGREGATION OF MULTI-COMPONENT POWDERS DURING A PLASMA SPRAY PROCESS	TA6-53-010 - Niharika Dalsania (15min) A NOVEL APPROACH FOR PLASMA CURRENT QUENCH STUDIES VIA SYNTHETIC DATA GENERATION			

2200 – 2400 Singapore/Beijing  
2300 – 0100 (+1) Tokyo  
1930 – 2130 Delhi  
1600 – 1800 Tel Aviv  
1400 – 1600 London  
0900 – 1100 Washington DC  
0600 – 0800 San Diego (US)

TA1-S2-036 - Uri Shumlak (15 min) HIGH-ORDER FINITE ELEMENT METHOD FOR HIGH-FIDELITY PLASMA MODELING	TA2-S3-047 - Simon Foulkes (15 min) METAMATERIAL BASED RF SOURCES	TA3-S2-022 - Heman Bhuyan STUDY ON THE DUAL RF PLASMA ENHANCED PULSED LASER DEPOSITION OF TITANIUM NITRIDE THIN FILM (15min)		TA6-S3-011 - Michael Friedrichs (15min) PLANAR MULTIPLE RESONANCE PROBE: APPROXIMATION OF THE IDEAL ANALYTIC SOLUTION ADAPTED TO THE REAL GEOMETRY
TA1-S2-051 - Nichelle Bennett (15 min) FIRST-PRINCIPLES MODEL OF ELECTRODE PLASMA FORMATION IN MA-SCALE ACCELERATORS	TA2-S3-048 - Henry Freund (15 min) AN ULTRA-HIGH EFFICIENCY MULTI-BEAM IOT			TA6-S3-001 - Ben Ulmen (15min) END-POINT ENERGY DETERMINATION OF ELECTRON BEAMS FROM THE SATURN ACCELERATOR 3-RING PINCHED BEAM DIODE

Time	Poster Session - 2 on Day 2							
	TA1-S1-038 - Dennis Engel Title: IMPROVING THE LUMPED ELEMENT MODEL OF A RADIO FREQUENCY MAGNETRON DISCHARGE	TA2-S3-015 - Xiaoyan Zhang Title: DESIGN OF A SZGHZ STAGGERED DOUBLE VANE SLOW WAVE STRUCTURE BY BUMBLEBEE	TA3-S1-060 - Jenny Smith Title: DEVELOPMENT AND CHARACTERIZATION OF HOLLOW CATHODE PLASMA SOURCE FOR LIF-DIP EXPERIMENTAL SYSTEM	TA4-S2-018 - Takumi Nishihara Title: CONTROL OF ION BEAM GENERATED BY INTENSE LASER	TA5-S1-009 - Udip Adhikari Title: FABRICATION OF EXCELLENT AND DURABLE SUPERHYDROPHOBIC SURFACES BY COLD PLASMA TREATMENT	TA6-S3-002 - Takeshi Katahira Title: MEASUREMENT OF PLASMA PARAMETERS BY FLOATING PROBE METHOD USING TONE BURST SIGNAL	TA7-S2-021 - Victor Bochkov Title: STUDY OF THE NEW GENERATION OF THYRATRON AND PSEUDOSPARK SWITCHES. EXPERIENCE OF APPLICATION IN EQUIPMENT FOR MICROSECOND AND NANOSECOND PULSE WIDTH DURATION	TA8-S4-025 - Yijun Hu Title: A BROADBAND 220-GHZ THICK-DISK BEO VACUUM WINDOW
	TA1-S1-039 - Zhengshi Chang Title: STUDY ON DISCHARGE CHARACTERISTICS AND PARTICLE DISTRIBUTION OF LOW-PRESSURE CO <sub>2</sub> DIELECTRIC BARRIER DISCHARGE	TA2-S3-016 - Andong Yue Title: SIMULATION OF AN INDUSTRIAL MAGNETRON USING CATHODE MODULATION	TA3-S1-061 - Janilee Benitez Title: MICROWAVE TRANSMISSION THROUGH THE VENUS ECR ION SOURCE	TA4-S2-022 - Joseph Strehlow Title: THE EFFECTS OF PULSE LENGTH AND COLLISIONAL IONIZATION ON THE LASER-DRIVEN ACCELERATION OF TITANIUM	TA5-S1-014 - Ying Wang (Bo Ouyang) Title: PLASMA BASED STRATEGIES FOR SYNTHESIS AND PROCESSING OF ELECTRODE MATERIALS IN ENERGY APPLICATION	TA6-S3-004 - Satyananda Kar Title: DEVELOPMENT OF A NOVEL ELECTRICAL CHARACTERIZATION TECHNIQUE TO DIAGNOSE AN RF ATMOSPHERIC PRESSURE PLASMA JET	TA7-S2-027 - David Martinez Title: DEGRADATION OF THE OUTPUT OF PULSE POWER SYSTEMS ASSOCIATED WITH NON IDEAL BEHAVIOR OF PROTECTED THYRISTORS	TA8-S4-027 - Wenxin Liu Title: THE DISPERSION CHARACTERISTICS OF SLOW WAVE STRUCTURE EMBEDDED WITH ELECTRON BEAM IN TERAHERTZ RECTANGULAR GRATINGS
	TA1-S1-045 - Rohit Medwal Title: REMOTE PLASMA-ASSISTED SYNTHESIS OF GRAPHENE FOR DEVELOPMENT OF FLEXIBLE BIOSENSORS	TA2-S3-019 - Andrey Starodubov Title: DESIGN AND DEVELOPMENT OF A V-BAND BACKWARD-WAVE OSCILLATOR BASED ON THE PSEUDOSPARK-SOURCE ELECTRON GUN	TA3-S1-065 - Ben Crampsey Title: DYNAMICS OF HIGHLY ENERGETIC ELECTRONS IN NOVEL ACCELERATING DIODES	TA4-S4-014 - Nicholas Quart Title: X-RAY RADIATION FROM KRYPTON DOPED SYMMETRIC CAPSULE IMPLSION EXPERIMENTS ON NIF	TA5-S1-046 - Pengyu Wang Title: GROWTH AND PRECIPITATION OF WATER DROPLETS INDUCED BY CORONA DISCHARGE IN HUMID AIR	TA6-S3-008 - Zhiling Li Title: INVESTIGATION OF ELECTRICAL PHENOMENA INDUCED IN DENSE HELIUM	TA7-S2-028 - Crispin Masahudu Ewutomah Title: ANALYSIS OF AN AUTOMOTIVE HVDC RELAY BEHAVIOUR DURING SHORT CIRCUIT SITUATIONS	TA8-S4-028 - Ruihua Yang Title: SIMULATION OF 1THz SINE WAVEGUIDE TRAVELING WAVE TUBES
	TA1-S1-048 - Fivos Antoulakis Title: A THEORY OF AC CONTACT RESISTANCE	TA2-S3-024 - Nicholas Jordan Title: EXTERNAL MAGNETIC FIELD EFFECTS IN MAGNETICALLY INSULATED LINE OSCILLATORS	TA3-S1-067 - Victor Burdovitsin Title: FORMATION OF PROTECTIVE AND WEARRESISTANT COATINGS ON TITANIUM ALLOYS BY THE COMBINATION OF FORE-VACUUM ELECTRON-BEAM AND ION-PLASMA DEPOSITION	TA4-S4-018 - Daniel Maier Title: FREE TARGET ACCELERATION BY UNDERWATER ELECTRICAL EXPLOSION OF A WIRE ARRAY	TA5-S1-060 - Yu-Lin Kuo Title: HARDNESS ENHANCEMENT USING PLASMA NITRIDING SKD11 DIE STEEL IN AN ATMOSPHERIC PRESSURE PLASMA JET	TA6-S3-013 - Chi Chen Title: DIAGNOSIS FOR 2.4GHZ COAXIAL MICROWAVE DRIVEN PLASMA	TA7-S2-029 - KANCHI SUNIL Title: DESIGN AND STUDY OF 40KV CAPACITOR BANK FOR DENSE PLASMA APPLICATIONS	TA8-S4-029 - Feng Lan Title: SUB-TERAHERTZ BROADBAND INDEPENDENTLY ELECTRICALLY TUNABLE PHASE-SHIFT HORNS-SHAPE METAMATERIALS EMBEDDED WITH GAAS DIODE
2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	TA1-S1-050 - Rohit Medwal Title: PLASMA ASSISTED HYDROGEN FUNCTIONALIZATION OF GRAPHENE/SI FOR PHOTODETECTION	TA2-S3-025 - Khawar Nadeem Title: A RECTANGULAR CORRUGATED KU-BAND BWO WITH DUAL RESONATOR	TA3-S1-058 - Utkarsh Shashank Title: SPIN-TRANSPORT STUDY IN STRONTIUM TITANATE BASED TWO-DIMENSIONAL ELECTRON GAS CREATED BY ARGON IONS	TA4-S5-002 - Sree Harsha Srikantiah Title: EFFECT OF ABERRATIONS IN FOCUSING ELEMENTS ON FEMTOSECOND FILAMENTS	TA5-S1-061 - Wannakuwathawaduge Thomas Leon Suganda Fernando Title: HYDROPHILICITY VARIANCE ON THE ATMOSPHERIC PRESSURE PLASMA IRRADIATED POLYDIMETHYLSILOXANE SURFACES	TA6-S2-010 - Manabu Tanaka Title: FLUCTUATION PHENOMENA IN MULTIPHASE AC ARC UNDER NITROGEN ATMOSPHERE	TA7-S3-001 - Bucur Novac Title: A 1 MV TESLA GENERATOR	TA8-S4-037 - Haoyang Wang Title: A DIPOLE APPROXIMATION MODEL APPLICABLE TO BOTH ONE- AND TWO- COLOR CASES IN TERAHERTZ GENERATION PROCESS IN WATER
	TA1-S1-063 - RIDIP SARMA Title: ELECTROSTATIC WAVE DYNAMICS IN A DENSE RELATIVISTICALLY DEGENERATE MAGNETIZED PLASMA	TA2-S3-026 - Edil Schamiloglu Title: HIGH POWER AMPLIFIER BASED ON INTERACTION BETWEEN MULTIPLE ELECTRON STREAM	TA3-S2-003 - Zhanghu Hu Title: MODULATION OF ION BEAMS IN TWO-COMPONENT PLASMAS: THREE-DIMENSIONAL PARTICLE-IN-CELL SIMULATION	TA4-S5-005 - Sai Shiva Sakaraboina Title: A THREE DIMENSIONAL THREE TEMPERATURE RADIATION HYDRODYNAMIC SIMULATIONS OF LASER PRODUCED AIR PLASMA DYNAMICS IN AMBIENT ATMOSPHERIC AIR	TA5-S1-063 - Zulkifli Azman Title: ALUMINUM NITRIDE THIN FILM DEPOSITION BY DC AND HIGH-POWER IMPULSE MAGNETRON SPUTTERING	TA6-S2-014 - Yusuke Nemoto Title: CALCULATION OF ELECTRON AND HEAVY PARTICLE TEMPERATURE WITH TRANSIENT RECOVERY VOLTAGE USING BY 3-D ELECTROMAGNETIC THERMAL FLUID SIMULATION	TA7-S3-002 - Bucur Novac Title: A SUPERSONIC UNDERWATER PULSED ACOUSTIC SOURCE	TA8-S4-043 - Shengjun Jiang Title: METASURFACE SLOW WAVE STRUCTURE FOR 220 GHz SHEET BEAM TRAVELING WAVE TUBE
	TA1-S1-066 - Mikhail Viktorov Title: ZEBRA-LIKE PATTERNS IN WHISTLER WAVE EMISSION SPECTRA FROM NONEQUILIBRIUM MIRROR-CONFINED LABORATORY PLASMA	TA2-S3-028 - Meiqin Liu Title: DISPERSION RELATIONSHIP OF A SPLIT RING RESONATOR METAMATERIAL ARRANGED IN A CIRCULAR WAVEGUIDE	TA3-S2-004 - Claude Fourment Title: PROPAGATION OF AN INTENSE RELATIVISTIC PULSED ELECTRON BEAM THROUGH LOW PRESSURE HELIUM	TA4-S5-004 - Nagaraju Guthikonda Title: MATERIAL DEPENDENCE OF LATERAL CONFINEMENT OF LASER INDUCED AIR PLASMA	TA5-S1-065 - Josh Morseil Title: DESIGN AND CHARACTERIZATION OF AN OPEN CHANNEL MICROFLUIDICS TEST BED FOR ATMOSPHERIC PLASMA DISCHARGES	TA6-S2-016 - Honoka Morishita Title: DEVELOPMENT OF 3-D ELECTROMAGNETIC THERMAL FLUID SIMULATION FOR CALCULATION OF METAL VAPOR GENERATED FROM ELECTRODES BY ARC DISCHARGE	TA7-S3-012 - Rick Spielman Title: INDIVIDUAL BRICK PERFORMANCE FOR THE CINCO PULSED-POWER IVER USED FOR EQUATION-OF-STATE EXPERIMENTS*	TA8-S4-003 - Guo Xiaoping Title: HEAT DIODE TERAHERTZ WAVE MODULATOR LOADED IN RECTANGULAR WAVEGUIDE
	TA1-S1-069 - Mengjun Xie Title: THE INFLUENCE OF MAGNETIC FIELD STRUCTURE OF PENNING ION SOURCE	TA2-S3-031 - PATRIZIA LIVRERI Title: A SIMPLIFIED DESIGN PROCEDURE OF A DOUBLE-GAP HUGHES-TYPE COUPLED-CAVITY FOR A KA-BAND EIK	TA3-S2-005 - Ricky Ang Title: FRACTIONAL MODEL OF FIELD EMISSION TO SPACE CHARGE LIMITED CURRENT FOR ROUGH METALLIC CATHODE	TA4-S2-021 - Nisha Singh Rathore Title: STUDY OF MODULATION INSTABILITY AND ENVELOPE EXCITATION IN PARTIALLY STRIPPED MAGNETIZED HIGH DENSITY QUANTUM PLASMA (added on 24 Nov)	TA5-S1-066 - Ndiffo Yemeli Gevais Blondel Title: ACTIVATION OF WATER (PAW) BY NON-THERMAL PLASMA FOR MAIZE GROWTH: AGEING AND CONCENTRATION EFFECT OF PAW	TA6-S2-017 - Masahiro Takagi Title: DEVELOPMENT OF 3-D ELECTROMAGNETIC THERMAL FLUID SIMULATION FOR ANALYZING MOVEMENT AND DISAPPEARANCE OF MULTIPLE CATHODE SPOTS IN VACUUM ARC	TA7-S3-015 - SUBHANARAYAN SAHOO Title: EFFECT OF SURFACE DEGRADATION OF ACTUATOR ON ELECTROMAGNETIC PULSE WELDING	TA8-S4-008 - Liu Chuyun Title: DUAL STRUCTURED TERAHERTZ BEAM GENERATORS BASED ON ALL-DIELECTRIC METASURFACES
			TA4-S5-020 - Swarvanu Ghosh Title: CHARACTERIZING WEIBEL-FILAMENT SCALE SIZE IN COUNTER-STREAMING PLASMA FLOWS UNDER VARYING PLASMA CONDITIONS					

Day 3 - 8 December 2020	
1100 – 1230 Singapore/Beijing 1200 – 1330 Tokyo 0830 – 1000 Delhi 0500 – 0630 Tel Aviv 0300 – 0430 London 2200 – 2330 (-1) Washington DC 1900 – 2030 (-1) San Diego (US)	Awards Presentation
1300 – 1500 Singapore/Beijing 1400 – 1600 Tokyo 1030 – 1230 Delhi 0700 – 0900 Tel Aviv 0500 – 0700 London 0000 – 0200 Washington DC 2100 – 2300 (-1) San Diego (US)	SC: Rajdeep Singh Rawat Women in Engineering (WIE) Talk - Jacky Ying  SC: Mark Lim Young Professionals Networking Symposium (YPNS@ICOPS2020)
SC= Session Chair	
2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	Poster Session - 3 (List of posters is after parallel sessions below)

Time	PARALLEL SESSIONS							
	D3N1-TA1.2 SC: Joe Theis	D3N2-TA2.4 SC: Sheel Aditya	D3N3-TA3.3 SC: Wu Lin	D3N4-TA4.6 SC: Mary Ann Sweeney	D3N5-TA5.2 SC: Toru Iwao	D3N6-TA5.4 SC: Danhua Mei	D3N7-TA7.4 SC: James Schrock	D3N8-TA8.4 SC: Wenxin Liu
2200 – 2400 Singapore/Beijing 2300 – 0100 (+1) Tokyo 1930 – 2130 Delhi 1600 – 1800 Tel Aviv 1400 – 1600 London 0900 – 1100 Washington DC 0600 – 0800 San Diego (US)	TA1-S2-028 - Ho Jun Kim EFFECTS OF THE ELECTRODE TEMPERATURE ON SPATIAL DISTRIBUTIONS OF PLASMA PARAMETERS IN INTERMEDIATE PRESSURE CAPACITIVELY COUPLED PLASMAS (Invited Talk - 30 min)	TA2-S4-011 - Reginald Jaynes MICROFABRICATION AND MICROMACHINING FOR MILLIMETER-WAVE TRAVELING WAVE TUBES (Invited Talk - 30 min)	TA3-S3-003 - Fang Liu CHERENKOV RADIATION BASED ON NANOSTRUCTURES (Invited Talk - 30 min)	TA4-S6-032 - Nicholas Aybar SIMULTANEOUS MEASUREMENTS OF GAS-PUFF Z-PINCH PARAMETERS USING VISIBLE SPECTROSCOPY (Invited Talk - 30 min)	TA5-S2-029 - Hai-King Wang CHEMICAL NON-EQUILIBRIUM SIMULATION OF AN ARGON TRANSFERRED ARC WITH CROSS-FLOW (Invited Talk - 30 min)	TA5-S4-011 - Tao Shao EFFICIENT CONVERSION OF GREENHOUSE GAS INTO VALUE-ADDED CHEMICALS WITH NON-THERMAL NANOSECOND PULSED PLASMA (Invited Talk - 30 min)	TA7-S4-026 - John Mankowsky COMPACT PULSED POWER AT TEXAS TECH UNIVERSITY (Invited Talk - 30 min)	TAB-S4-041 - Wenxin Liu DEVELOPMENT THE G- AND Y-BAND FOLDED WAVEGUIDE TRAVELING WAVE TUBES (Invited Talk - 30 min)
	TA1-S2-053 Ade D Pratama SIMULATION OF ATMOSPHERIC PRESSURE DC PLASMA TORCH USING ARGON GAS (15 min)	TA2-S4-012 - Jun Chen Preparation of ZnO nanowire field emitter arrays and their device applications (Invited Talk - 30 min)	TA3-S3-010 - Gennady Shvets (15 min)	TA4-S6-016 - Ziwel Chen IMPLOSION DYNAMICS AND RADIATION OF PRECONDITIONED HYBRID X-PINCH (15min)	TA5-S2-011 - Manabu Tanaka (15min)	TA5-S4-010 - Ivan Ganachev WALL SURFACE CURRENTS IN INDUCTIVELY COUPLED PLASMAS FOR MATERIAL PROCESSING (15min)	TA7-S4-001 - Zhe Fan MICROSECOND PULSED SPARK DISCHARGE PLASMA TREATMENT ON HEAVY OIL MODEL COMPOUNDS FOR HYDROGEN PRODUCTION (15min)	TAB-S4-011 - TIANNING ZHANG TITLE: NONLINEAR THZ OPTICAL RESPONSE OF 3D TOPOLOGICAL DIRAC/WEYL SEMIMETALS (15min)
	TA1-S2-055 - Joseph Theis PREDICTION OF PASCHEN'S LAW USING SPEED-LIMITED PARTICLE-IN-CELL SIMULATION (15 min)	TA2-S4-007 - Hexin Wang THE STUDY OF VERY LOW VOLTAGE PLANAR SLOW WAVE STRUCTURE FOR COMPACT TWT (15 min)	TA3-S3-013 - Surbhi Gupta TITLE: FERROELECTRIC-PHOTOVOLTAIC AND OPTOELECTRONIC SENSING RESPONSE TO SUBSTITUTION ENGINEERING OF SPIN CASTED BIFEO3 THIN FILMS	TA4-S6-019 - Raul Melean PULSED-POWER MAGNETIZED JETS FOR THE STUDY OF STAR FORMATION (15min)	TA5-S2-015 - Yuki Suzuki (15min)	TA5-S4-013 - Rusen Zhou FUELING THE FUTURE: PLASMA-ENABLED DIRECT LIQUID ETHANOL CONVERSION FOR HYDROGEN GAS AND C-MATERIALS PRODUCTION (15min)	TA7-S4-004 - Denis Zolotukhin TWO-STAGE MICRO-CATHODE MPD THRUSTER AND ITS IMPROVEMENT BY THE THRESHOLD BEHAVIOR OF THE MAGNETIZED ARC (15min)	TAB-S4-014 - Jeremy Lim TITLE: ANOMALOUS SUPPRESSION OF HIGHER-ORDER NONLINEARITIES IN 3D DIRAC SEMIMETALS (15min)
	TA1-S2-056 - Gregory Werner MODELING PLASMA PROBES WITH SPEED-LIMITED PARTICLE-IN-CELL SIMULATION (15 min)	TA2-S4-013 - Xianlong Wei ON-CHIP THERMIONIC ELECTRON SOURCES BASED ON GRAPHENE AND CARBON NANOTUBES (15 min)	TA3-S3-015 - Paul Lee TITLE: MODIFICATIONS OF TUNGSTEN SUBSTRATES FOR IMPROVED SURFACE HARDNESS USING DENSE PLASMA	TA4-S6-022 - Paul Campbell Controlling Magneto Rayleigh-Taylor Instabilities with a Dynamic Screw Pinch (15min)	TA5-S2-023 - Waldo Bongers (15min)	TA5-S4-018 - Dingchen Li THE INTERCEPTION OF FOG BY IONIC WIND INDUCED BY CORONA DISCHARGE IN A WIRE-MESH ELECTRODE (15min)	TA7-S4-020 - Myung-Geun Song DESIGN, FABRICATION AND EXPERIMENTAL RESULTS OF A FOUR-STAGE INDUCTION COILGUN USING PULSED POWER FOR LAUNCHING HEAVY PROJECTILE (15min)	TAB-S4-036 - Weidong Wu TITLE: THERMAL LOCALIZATION ENHANCED TERAHERTZ PHOTOTHERMOELECTRIC RESPONSE IN QUASI-ONE-DIMENSIONAL MATERIAL Nb5S3 (15min)
	TA1-S2-058 - Thomas Jenkins KINETIC DISPERSION RELATIONS AND THE SPEED-LIMITED PARTICLE-IN-CELL ALGORITHM (15 min)	TA2-S3-042 - Bilawal Ali* TITLE: DESIGN AND SIMULATION STUDY OF S-BAND MIMO-BASED RADIATION SYSTEM		TA4-S6-024 - Jeremy Chittenden 3D MHD SIMULATIONS OF WIRE ARRAY RADIATION ABLATION EXPERIMENTS AND MAGNETISED LINER FUSION (15min)	TA5-S2-026 - Zachary Jekell (15min)	TA5-S4-043 - Guido Link NON-EQUILIBRIUM ATMOSPHERIC AND MICROWAVE SUSTAINED PLASMA FOR CO2 CONVERSION (15min)	TA7-S4-022 - Huantong Shi EFFECTS OF CIRCUIT INDUCTANCE ON ELECTRICAL AND SHOCK WAVE CHARACTERISTICS DURING UNDERWATER COPPER WIRE EXPLOSION (15min)	TAB-S4-039 - Jinjing Luo IMPROVEMENT OF 0.34 THz SHEET BEAM SINE WAVEGUIDE TRAVELING WAVE TUBE (15min)
	TA1-S2-046 - Kostyantyn Korytchenko TITLE - NUMERICAL INVESTIGATION OF AN INFLUENCE OF VIBRATIONAL EXCITATION PROCESS ON DIRECT DETONATION INITIATION IN A HYDROGEN-OXYGEN MIXTURE BY SPARK DISCHARGE (15 min)			TA4-S6-025 - Alla Safronova X-RAY RADIATION FROM COMPACT TUNGSTEN WIRE ARRAYS AT 1 MA CURRENT (15min)	TA5-S2-028 - Sayan Biswas (15min)	TA5-S4-052 - Haneul Lee CHARACTERIZATION OF COUPLING COEFFICIENT FOR TRANSFORMER MODEL APPLICATION IN NON-INVASIVE PLASMA MONITORING (15min)	TA7-S4-027 - Ranashree Ram EFFECT OF MUTUAL FLUX LINKAGE BETWEEN STAGES ON THE PROJECTILE MOTION IN A MULTISTAGE INDUCTION COILGUN (15min)	
				TA4-S6-028 - Georgiy Oleynik PLASMA PRODUCTION ON THE CURRENT CARRYING ELECTRODES AT THE ANGARA-S-1 (15min)	TA5-S2-035 - Ryudai Furukawa (15min)		TA7-S4-028 - Deepak Kaushik NUMERICAL MODELLING AND ANALYSIS OF THE EFFECTS OF PROCESS PARAMETERS ON PULSED ELECTROMAGNETIC CRIMPING (15min)	
		2hrs	2hrs	2hrs	1 hr 45 min	1 hr 45 min	1.5 hrs	2hrs

Poster Session - 3 on Day 3								
TA1-S1-074 - Cyrus Nejat Title: NEAT LAWS FOR PLASMA BEHAVIOR BETWEEN TWO PLATES WITH PASCHEN CURVE ANALYSIS	TA2-S3-032 - PATRIZIA LIVRERI TITLE: DESIGN OF A TWT CONIC HELIX SLOW-WAVE STRUCTURE FOR HIGH EFFICIENCY AND BWO IMMUNITY	TA3-S2-010 - Brandon Medina Title: HYBRID SIMULATION OF HIGH INTENSITY ELECTRON BEAM PROPAGATION THROUGH A LOW PRESSURE GAS CELL	TA4-S5-003 - Sree Harsha Srikanthiah Title: EVALUATION OF SONIC EMISSIONS FROM FEMTOSECOND FILAMENTS	TA5-S2-018 - Masashi Shimazaki Title: MOVEMENT SPEED VARIATION OF CATHODE SPOT AFFECTED BY MAGNETIC FLUX DENSITY MAGNITUDE OF ALTERNATING MAGNETIC FIELD	TA5-S5-002 - Chaoyang Zhang Title: LOW-TEMPERATURE STERILIZATION BY ATMOSPHERIC PRESSURE PLASMA JET	TA7-S3-017 - Brendan Sporer Title: TESTING OF THE PROTOTYPE BLUE LINEAR TRANSFORMER DRIVER (LTD) CAVITY AT UNIVERSITY OF MICHIGAN	TAB-S5-017 - Wei Feng Title: EFFICIENT PHASE MODULATION OF THE WAVE WITH A PHOTO-INDUCED DYNAMIC VANADIUM DIOXIDE ET META-SURFACE	
TA1-S1-043 - David Go Title: SCHLIEREN IMAGING INVESTIGATION FOR ATMOSPHERIC PRESSURE HELIUM PLASMA JET	TA2-S3-035 - Igor Chernyavskiy Title: ADAPTING THE LARGE-SIGNAL CODE TESLA TO THE MODELING OF BWOs	TA3-S2-013 - Jacques Gardelle Title: EXPERIMENTAL AND NUMERICAL STUDIES OF ELECTRON BEAM PROPAGATION IN ARGON	TA4-S5-008 - ARATI DASGUPTA Title: SPECTROSCOPIC DIAGNOSTICS USING LINE RADIATION IN LASER IVEN NON-EQUILIBRIUM PLASMAS	TA5-S2-021 - Shinchiro Kashwagi Title: CALCULATION OF ARC TEMPERATURE DISTRIBUTION WITH CHANGING NOZZLE SHAPE	TA5-S5-005 - Jinwook Kim Title: VIABILITY OF SHELF LIFE EXTENSION OF BLUEBERRIES USING A PLASMA POUCH	TA7-S3-028 - Saikang SHEN Title: APPLICATION OF REPETITIVE NANOSECOND PULSE GENERATOR BASED ON AVALANCHE TRANSISTORS IN PLASMA JET	TAB-S5-022 - Jun Zhou Title: DEEP LEARNING DESIGN OF A TERAHERTZ METAGRATING	
TA1-S1-015 - Zhengshi Chang Title: THE EFFECTS OF SEEC AND PERMITTIVITY OF DIELECTRIC ON PROPERTIES OF AR/NH3 ODB BY EMPLOYING 1D NUMERICAL MODEL		TA3-S2-015 - Saikang SHEN Title: STUDY ON THE STABILITY OF THE ELECTRON BEAM GENERATED BY TRIGGERED PSEUDOSPARK DISCHARGE	TA4-S6-021 - Akash Shah Title: DEVELOPMENT OF A GAS-PUFF Z-PINCH EXPERIMENT FOR THE 1-MA, 100-NS MAIZE LTD	TA5-S2-022 - Yuki Sugiyama Title: ARC DEFLECTION LENGTH AFFECTED BY DIAGONAL MAGNETIC FIELD IN 3D ELECTROMAGNETIC THERMAL FLUID SIMULATION	TA5-S5-006 - MASAFUMI ITO Title: PROMOTION OF AMYLASE PRODUCTIONS FROM ASPERGILLUS ORYZAE SPORES EXPOSED TO OXYGEN RADICALS	TA7-S4-007 - canhui shi Title: CONTINUOUS PULSED ELECTRIC FIELD TREATMENT OF MICROORGANISMS USING DIFFERENT ELECTRODE TOPOLOGY	TAB-S5-023 - Xiaojian Fu Title: TERAHERTZ CODING METAMATERIALS FOR FLEXIBLE BEAM MANIPULATIONS	

2000 – 2200 Singapore/Beijing  
 2100 – 2300 Tokyo  
 1730 – 1930 Delhi  
 1400 – 1600 Tel Aviv  
 1200 – 1400 London  
 0700 – 0900 Washington DC  
 0400 – 0600 San Diego (US)

TA1-S1-014 - Anbang Sun Title: 2D FLUID SIMULATIONS OF THE INTERACTION BETWEEN STREAMERS AND DIELECTRICS: CHARACTERISTICS OF SURFACE CHARGE	TA2-S3-044 - Matthew Abide Title: S-BAND MAGNETICALLY INSULATED LINE OSCILLATOR (MILD) WITH ADJUSTABLE CATHODE/BEAM DUMP OVERLAP	TA3-S2-020 - Shengkun Jiang Title: RESEARCH OF PCM AND UNIFORM MAGNETIC FIELD FOCUSING IN SHEET ELECTRON BEAM	TA4-S6-023 - Simon Bland Title: AN ULTRA-PORTABLE X-PINCH FOR PROBING WARM DENSE MATTER	TA5-S2-024 - Jun-Ho Seo Title: PERFORMANCE TEST OF A REVERSE POLARITY PLASMA TORCH FOR MELTING APPLICATIONS OF NON-COMBUSTIBLE WASTES	TA5-S5-011 - Jiaili Chen Title: SILICON CARBIDE NANOSHEETS WERE PREPARED BY HELICON WAVE PLASMA CHEMICAL VAPOR DEPOSITION	TA7-S4-010 - Canhui Shi Title: INDIRECT CONTACT PULSED ELECTRIC FIELD TREATMENT USING CERAMIC ELECTRODES WITH HIGH DIELECTRIC CONSTANT	TAB-S5-030 - Amy MacLachlan Title: OVERMODED, HIGH-POWER 0.2 THz RADIATION SOURCE BASED ON A CYLINDRICAL 2D PERIODIC SURFACE LATTICE CAVITY
	TA2-S3-046 - Vishant Gahlaut Title: FIVE-STAGE DEPRESSED COLLECTOR FOR HIGH EFFICIENCY SPACE TWTS	TA3-S2-022 - Haruyasu Ishida Title: DEVELOPMENT OF BIPOLAR PULSE ACCELERATOR FOR HIGH-PURITY INTENSE PULSED ION BEAM TO MATERIAL PROCESSING	TA4-S6-026 - Nicholas Aybar Title: MAGNETIC FIELD CHARACTERIZATION OF OXYGEN GAS-PUFF Z-PINCH USING SPECTROSCOPIC TECHNIQUES	TA5-S2-031 - Sang-Min Chung Title: SURFACE TREATMENT OF CARBONACEOUS POWDER BY INDUCTION PLASMAS	TA5-S5-017 - Li Lin Title: PLASMA-TARGET AT STEADY STATE: A GENERAL METHOD OF REACTIVE SPECIES DOSAGE ESTIMATION FOR PLASMA JET MEDICINE	TA7-S4-011 - Shu Yang Title: AN IMPROVED DESIGN METHOD OF SNUBBER CIRCUIT FOR HIGH-VOLTAGE DIODE RECTIFIER IN ACCELERATION GRID POWER SUPPLY	TAB-S6-016 - Yayun Cheng Title: PASSIVE TERAHERTZ MULTI-POLARIZATION IMAGING EXPERIMENTS FOR PERSONNEL SCREENING APPLICATION
TA1-S2-013 - Cheng Ho Kim Title: THE EFFECT OF SECONDARY ELECTRON EMISSION ON ELECTRON HEATING AND ION TRANSPORT IN CAPACITIVELY COUPLED RF PLASMAS	TA2-S4-006 - Jun Dai Title: MODELING OF A HIGH-POWER TERAHERTZ VACUUM PHOTOMIXER SOURCE	TA3-S2-023 - Li Qiang Title: PARTICLE SIMULATION FOR THE C-BAND SINGLE-INJECTION KILOSTRON AMPLIFIER	TA4-S6-027 - Stuart Jackson Title: EFFECT OF INITIAL CONDITIONS ON CHARGED PARTICLE ACCELERATION IN A DENSE PLASMA FOCUS	TA5-S3-001 - Potrivitu George-Cristian Title: SCALING LAWS FOR VERY LOW-CURRENT LAB6 THERMIONIC CATHODES FOR ELECTRIC PROPULSION SYSTEMS FOR SMALL SATELLITES	TA5-S5-023 - Ferhat Bozduman Title: TREATMENT OF SKIN CANCER BY USING ATMOSPHERIC PRESSURE COLD PLASMA METHOD	TA7-S4-015 - Li Pengfei Title: EFFECTS OF PULSED ELECTRIC FIELD TREATMENT ON LIPASE ACTIVITY	TAB-S6-026 - Bingbing Wang Title: TERAHERTZ IMAGING BASED ON Si-P BLOCKED IMPURITY BAND DETECTOR
TA1-S2-015 - John Luginsland Title: OHM'S LAW IN THE SLOW LANE: GALILEAN INVARIANT ELECTROMAGNETIC CLOSURES FOR ELECTRON-ION PLASMAS	TA2-S4-008 - Duo Xu Title: AN ALGORITHM FOR CALCULATING THE OPERATING VOLTAGE OF COMPLEX SLOW WAVE STRUCTURES	TA3-S3-002 - Tianyu Zhang Title: EXTREMELY CONFINED ACOUSTIC GRAPHENE PLASMONS EXCITED BY FREE-ELECTRON-BEAMS	TA4-S6-033 - Lukasz Marciniak Title: FUSION NEUTRON EMISSION AND PLASMA DYNAMICS IN THE PF-24 DEVICE OPERATED WITH D2 AND D2-NE MIXTURES - EXPERIMENTS AND SIMULATIONS	TA5-S3-007 - Yufei Sun Title: PRELIMINARY EXPERIMENTS ON ROTAMAK-LIKE PLASMA ENGINE	TA5-S5-029 - Subhanarayan Sahoo Title: TERMINATION OF MAGGOTS FROM GREEN PLANT BY DEVELOPED MICROWAVE SOURCE	TA7-S4-029 - Vitaliy Stelmashuk Title: COMPARISON AND VALIDATION OF TWO MATHEMATICAL MODEL OF UNDERWATER SPARK SIMULATION USING CYLINDRICAL AND ELLIPTICAL COORDINATES	TAB-S7-005 - Yinian Feng Title: A COMPACT G-BAND DIPLEXER BASED ON QUASI-ELLIPTICAL FILTER
TA1-S2-016 - Amanda Lietz Title: ESTIMATING SECONDARY ELECTRON YIELDS USING PLASMA DISCHARGE MODELING	TA2-S4-009 - Andrey Starodubov Title: AN ORIGINAL APPROACH FOR MICROFABRICATION OF METAMATERIALS PATTERNS FOR MILLIMETER-BAND VACUUM MICROELECTRONIC DEVICES	TA3-S3-018 - Stanislav Makarkin Title: AN ANALYSIS OF SPATIALLY LOCALIZED CLUSTERS OF SPACE CHARGE IN NON-LAMINAR ELECTRON BEAMS OF LOW-VOLTAGE VIRCATORS	TA4-S6-041 - Yen-Cheng Lin Title: THE STUDY OF THE ROTATIONAL PLASMA JETS PRODUCED BY TWISTED-CONICAL-WIRE ARRAY	TA5-S3-009 - Lubos Brieda Title: STUDY OF VACUUM ARC FORMATION USING A ONE-DIMENSIONAL CPU/GPU PARTICLE CODE	TA7-S4-038 - I. V. Jawahar Reddy Title: DESIGN AND DEVELOPMENT OF 300/1 Ω VOLTAGE DIVIDER	TA5-S2-032 - Kostyantyn Korytchenko Title: EXPERIMENTAL INVESTIGATION OF PULSED ARC DISCHARGE GENERATED BY HIGH-ENERGY SPARK IGNITION SYSTEM	TAB-S7-007 - Dwei Liu Title: MODE COMPETITION IN THz SOURCE WITH PARALLEL MULTI-BEAM AND ARRAY STRUCTURE

Day 4 - 9 December 2020									
Time	PARALLEL SESSIONS								
	D4M1-TA1.3 SC: Hae June Lee	D4M2-TA2.5 SC: He-Ping Li	D4M3	D4M4-TA4.6 SC: Ryan McBride	D4M5-TA5.2 SC: Hai-Xing Wang	D4M6	D4M7-TA7.4 SC: James Schrock	D4M8-TA8.5 SC: Yaxin Zhang	
1100 – 1300 Singapore/Beijing 1200 – 1400 Tokyo 0830 – 1030 Delhi 0500 – 0700 Tel Aviv 0300 – 0500 London 2200 – 2400 (-1) Washington DC 1900 – 2100 (-1) San Diego (US)	TA1-S3-002 - Xiaogang Wang INTRODUCTION TO SPACE ENVIRONMENT EXPERIMENT RESEARCH FACILITY (SPERF) (Invited Talk - 30 min)	TA2-S5-007 - Xiaolin Jin APPLICATION AND IMPLEMENT OF 3D FASTPIC SIMULATOR (Invited Talk - 30min)		TA4-S6-037 - Simon Bland PULSED POWER DRIVEN UNDERWATER WIRE ARRAY EXPLOSIONS AND THEIR USE TO PROPEL HIGH SPEED FLYER PLATES (Invited Talk - 30min)	TA5-S3-030 - Igor Kaganovich VALIDATED MODELING OF ATMOSPHERIC-PRESSURE ANODIC ARC AND SYNTHESIS OF CARBON NANOMATERIALS (Invited Talk - 30 min)		TA7-S4-031 - Fatima Zahra BOUDARA ACCURATE 3D NUMERICAL MODELING AND EXPERIMENTAL VERIFICATION OF STRONGLY COUPLED UNSHIELDED PULSED ELECTROMAGNETIC COUPLER FOR SMART GRID APPLICATIONS (15min)	TA8-S5-024 - Willie Padilla ACCELERATED TERAHERTZ METASURFACE DESIGN WITH DEEP LEARNING (Invited Talk - 30 min)	
	TA1-S3-004 - Min Sup Hur STUDY OF COSMIC RADIO BURSTS IN LAB-SCALE PLASMAS (Invited Talk - 30 min)	TA2-S5-014 - Yongdong Li UNIPIC: A CONFORMAL PARTICLE-IN-CELL CODE FOR HIGH POWER MICROWAVE AND PULSE DISCHARGE (Invited Talk 30min)		TA4-S6-042 - Alexander Rosozhek ENHANCED CONVERGENCE OF A CYLINDRICAL SHOCKWAVE (15min)	TA5-S3-036 - Keita Akashi EFFECT OF INTERMITTENT INJECTION TIMING OF QUENCHING GAS ON COMPOSITION AND PARTICLE SIZE OF Si/C NANOPARTICLES SYNTHESIZED BY MODULATED INDUCTION THERMAL PLASMA (15min)		TA7-S4-032 - Feng Yu SOLID-STATE LINEAR TRANSFORMER DRIVER USING INDUCTIVE ENERGY STORAGE (15min)	TA8-S5-028 - Ranjan Singh Title: GIANT KINETIC INDUCTANCE IN HIGH-Tc SUPERCONDUCTING METACAVITIES (15min)	
	TA1-S3-020 - Chengran Du INTERFACIAL PHENOMENA IN A PHASE-SEPARATED BINARY COMPLEX PLASMA: EXPERIMENTS AND SIMULATIONS (Invited Talk - 30 min)	TA2-S5-004 - Xiaofang Zhu COMPUTER AIDED SIMULATION OF ASSEMBLY PROCESS AND KEY ASSEMBLY PARAMETERS OF TWT (15 min)		TA4-S6-043 - Mark Hess ELECTRON DYNAMICS WITHIN A MAGNETICALLY INSULATED TRANSMISSION LINE CONTAINING A LOAD (15min)	TA5-S2-037 - Kazufumi Hata NUMERICAL SIMULATION OF AR/CHA/HZ MODULATED INDUCTION THERMAL PLASMA FOR DIAMOND FILM DEPOSITION (15min)		TA7-S4-034 - Wasekul Azad A FOUR-STAGE CAPACITIVELY COUPLED HIGH-VOLTAGE SIC SWITCH POWERED BY A SINGLE GATE DRIVER (15min)	TA8-S5-012 - Lin Chen Title: TUNABLE PHASE TRANSITION IN ATR BASED METASURFACE AND ITS APPLICATIONS IN TERAHERTZ FINGERPRINT SENSING (15min)	
	TA1-S3-025 - Paul Bernhardt STRONG AMPLIFICATION OF ELF/VLF SIGNALS IN SPACE USING NEUTRAL GAS INJECTION FROM A SATELLITE ROCKET ENGINE (15 min)	TA2-S5-012 - Chun Yun Kee GPU ACCELERATED EM MODELING TOOL FOR ELECTRICALLY LARGE OBJECTS (15 min)		TA4-S6-045 - Daoyuan Zhang STUDY OF INSIDE PLASMA PRECURSOR AND OUTSIDE PLASMA INSTABILITY OF EXPLODING LINER (15min)	TA5-S3-038 - Mako Yoshida ICP MS/AES SIMULTANEOUS ANALYSIS SYSTEM FOR TRACE ELEMENTS IN A SINGLE HUMAN CELL (15min)		TA7-S4-035 - Matthew Woodyard DESIGN AND TESTING OF A COMPACT 1 MV CLASS TESLA TRANSFORMER (15min)	TA8-S5-018 - Yue Wang SENSITIVE DETECTION OF CHLORPYRIFOS PESTICIDE USING TERAHERTZ METASURFACE (15min)	
	TA1-S3-023 - Bengt Eliasson OBSERVATION AND NUMERICAL MODELLING OF IONOSPHERIC BEAT-WAVE BRILLOUIN SCATTERING AT EISCAT (15 min)	TA2-S5-018 - Alexander Vlasov ADJOINT APPROACH TO OPTIMIZATION OF BEAM WAVE INTERACTION (15 min)		TA4-S6-046 - Eric Lerner OPTIMIZATION OF A MEGA-AMPERE DPF WITH MONOLITHIC BERYLLIUM ELECTRODES FOR HIGH NEUTRON YIELD (15min)	TA5-S2-039 - Wang Yiran SYNTHESIS OF AMORPHOUS OXIDE ELECTROLYTE NANOPARTICLES FOR ALL-SOLID-STATE BATTERY BY INDUCTION THERMAL PLASMA (15min)		TA7-S4-036 - Roman Shapovalov SIDE-BY-SIDE COMPARISON OF STANDARD-BRICK AND DRY-BRICK PULSER CONFIGURATIONS (15min)	TA8-S5-026 - Wulin Tong THE SIMULATION ON ABSORPTION PROPERTIES OF EQUAL SPLIT RING RESONATOR (DSRR) GAS-BASED BLOCKED IMPURITY BAND (BIB) HYBRID STRUCTURE (15min)	
	TA1-S3-005 - Nakul Nuwal KINETIC MODELING OF SNAPOVER ON SPACECRAFT SOLAR-PANEL SURFACES (15 min)	TA2-S5-019 - Simon Cooke RECENT ENHANCEMENTS IN ELECTROMAGNETIC PARTICLE-IN-CELL MODELING WITH NEPTUNE (15 min)		TA4-S6-049 - Ioannis Fittlis INFLUENCE OF Z-PINCH WIRE GEOMETRICAL CHARACTERISTICS ON THE GENERATION OF THE ELECTROTHERMOMECHANICAL AND PLASMA INSTABILITIES (15min)	TA5-S2-041 - Byeong-Il Min SYNTHESIS OF 3-LITHIUM GARNET SOLID ELECTROLYTE FOR ALL SOLID STATE LITHIUM ION BATTERY BY INDUCTION THERMAL PLASMA (15min)		TA7-S4-037 - Roman Leduc HIGH FREQUENCY DATA CONVERSION SYSTEM WORKING UNDER ELECTROMAGNETICALLY DISTURBED ENVIRONMENT (15min)	TA8-S5-027 - Rebecca Seavir BIO-INSPIRED THZ AND OPTICAL ARTIFICIAL ELECTROMAGNETIC MEDIA (15min)	
		TA2-S5-020 - Luke Silvestre DEVELOPMENT OF A VLASOV EQUATION BASED NUMERICAL MODEL OF MULTIPACTOR DISCHARGE (15 min)		TA4-S6-050 - Tal Queller RADIAL CURRENT DISTRIBUTION OF A GAS-RUFF SELF-IMPLODING PLASMA CLOSE TO STAGNATION (15min)	TA5-S2-043 - Zihan Pan THE EFFECTS OF PARTICLES VAPOR ON ARC PLASMAS (15min)		TA7-S4-040 - Nail Tosun A COMPARISON OF VELOCITY SKIN EFFECT MODELING WITH 2-D TRANSIENT AND 3-D QUASI-TRANSIENT FINITE ELEMENT METHODS (15min)	TA8-S5-028 - Edwin Oshin COLD PLASMA-INDUCED CHANGE IN ELECTRIC PROPERTIES OF CANCER CELLS IN VITRO (15min)	
	1330 – 1500 Singapore/Beijing 1430 – 1600 Tokyo 1100 – 1230 Delhi 0730 – 0900 Tel Aviv 0530 – 0700 London 0030 – 0200 Washington DC 2130 – 2300 (-1) San Diego (US)	<b>SC: Paul Lee</b> Plenary 5 - K D Weltman - TA5-S5-025: ATMOSPHERIC PRESSURE PLASMAS FOR SELECTED APPLICATIONS IN LIFE SCIENCE  <b>SC: Willie Padilla</b> Plenary 6 - Michael Johnston - TA8-S6-024: FROM TERAHERTZ SPECTROSCOPY TO NOVEL DEVICES  <b>SC = Session Chair</b>							
	2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	<b>Poster Session - 4 (List of posters is after parallel sessions below)</b>							
Time	PARALLEL SESSIONS								
	D4N1-TA1.4+TA1.1 SC: Satoshi Hamaguchi	D4N2-TA2.7 SC: John Leopold	D4N3	D4N4-TA4.6 + TA4.7 SC: Fabio Conti	D4N5-TA5.3 SC: Xu Shuyan	D4N6-TA5.4 SC: Renwu Zhou	D4N7-TA5.5 SC: Michael Keidar	D4N8-TA8.6 SC: Michael Johnston	
2200 – 2400 Singapore/Beijing 2300 – 0100 (+1) Tokyo 1930 – 2130 Delhi 1600 – 1800 Tel Aviv 1400 – 1600 London 0900 – 1100 Washington DC 0600 – 0800 San Diego (US)	TA1-S4-013 - Quan-Zhi Zhang NON-LINEAR SHEATH OSCILLATION MECHANISM IN SYMMETRIC CAPACITIVELY COUPLED PLASMA SHEATHS (Invited Talk - 30 min)	TA2-S7-007 - Qiyue Nie FUNDAMENTAL THEORY AND APPLIED TECHNOLOGY OF EM WAVE MODIFICATION AND CONTROL BY PLASMAS (Invited Talk - 30min)		TA4-S6-039 - Andrea Schmidt SIMULATION-GUIDED EXPERIMENTS ON THE MEGAJoule NEUTRON IMAGING RADIOGRAPHY (MJOLNIR) DPF (Invited Talk - 30 min)	TA5-S3-006 - Ashish Ganguli ROLE OF MAGNETIC FIELD FOR EFFICIENT ELECTRON HEATING IN ECR PLASMAS FOR PLASMA APPLICATION (15min)	TA5-S4-026 - Weizong Wang Title: COMPUTER MODELING OF PLASMA BASED NITROGEN FIXATION: SEARCH FOR A BETTER UNDERSTANDING OF THE UNDERLYING MECHANISMS (Invited Talk - 30min)	TA5-S5-009 - Chunqiang Jiang SYNERGISTIC EFFECTS OF NANOSCALE PULSED PLASMAS AND ELECTRIC FIELDS ON CELLS AND SKINS (Invited Talk - 30min)	TA8-S6-025 - Amit Agrawal SHAPING LIGHT USING DIELECTRIC METASURFACES: FROM DEEP-LV TO THE TERAHERTZ (Invited Talk - 30 min)	
	TA1-S4-001 - Jon Tomas Gudmundsson THE INFLUENCE OF MAGNETIC FIELD ON THE DEPOSITION RATE AND IONIZED FLUX FRACTION IN HIPIMS DISCHARGES (15 min)	TA2-S7-006 - Yang Cao HIGH-POWER MICROWAVE DRIVEN PLASMA WAVEFIELD IN A CYLINDRICAL WAVEGUIDE (15min)		TA4-S7-016 - Christian Linsmeier ADVANCED PLASMA-FACING MATERIALS FOR FUSION: DEVELOPMENTS AND PERSPECTIVES (Invited Talk - 30 min)	TA5-S3-014 - John Slough PLASMA MAGNETO-SHELL AEROCAPTURE FOR PLANETARY MANNED AND CARGO MISSIONS (15min)	TA5-S4-046 - Steven Shannon Title: FASTER, SMALLER, DEEPER: THE CHALLENGES OF HIGH ASPECT RATIO ETCHING (Invited Talk - 30min)	TA5-S5-003 - Rajesh Prakash Guragan EFFECT OF ATMOSPHERIC PRESSURE AIR DED PLASMA ON PHYSIO-CHEMICAL AND MICROBIAL PARAMETERS OF GROUNDWATER AND ITS USE IN AGRICULTURE (15min)	TA8-S6-027 - Abul Azad DYNAMICAL WAVE-FRONT SHAPING AND EXTREME NONRECIPROCALITY WITH SPATIO-TEMPORAL MODULATED METASURFACES (Invited Talk - 30 min)	
	TA1-S4-006 - Yangyang Fu SIMILARITY OF LOW-PRESSURE RADIOFREQUENCY DISCHARGES (15 min)	TA2-S7-008 - Roman Zamchil EFFECT OF RF FIELDS ON ELECTRICAL BREAKDOWNS PRODUCED BY HIGH-VOLTAGE PULSES IN AIR AT AMBIENT CONDITIONS (15min)		TA4-S6-051 - Fabio Conti GAS PUFF Z-PINCH EXPERIMENTS WITH NE, AR AND KR ON THE CESAR LINEAR TRANSFORMER DRIVER (15min)	TA5-S3-018 - Kentaro Hara CROSS-FIELD ANOMALOUS ELECTRON TRANSPORT DUE TO MULTIDIMENSIONAL PLASMA INSTABILITIES (15min)	TA5-S4-056 - Radha Krishna Murthy Bulusu Title: DEGRADATION OF PERFLUOROCTANOIC ACID (PFOA) IN A NANOSSECOND PULSE PLASMA DISCHARGE GAS-LIQUID REACTOR (15min)	TA5-S5-013 - Naoyuki Iwata EFFECT OF RADICAL-ACTIVATED L-PHENYLALANINE SOLUTION ON SUPPORTED LIPID BILAYER (15min)	TA8-S6-001 - Rong Wang CROP WATER STATUS MONITORING BY TERAHERTZ IMAGING (15min)	
	TA1-S4-009 - Jian Chen NUMERICAL STUDIES ON THE NON-EQUILIBRIUM TRANSPORT OF CHARGED PARTICLES IN A CONFINED DECAYING PLASMA: EFFECTS OF THE ION RAREFACTION WAVES (15 min)	TA2-S7-015 - Asif Iqbal STUDY OF SINGLE AND DUAL FREQUENCY RF DRIVEN MULTIPACTOR ON A DIELECTRIC IN THE FREQUENCY DOMAIN (15min)		TA4-S7-014 - Cheng Zhang MODELING OF BERYLLIUM MELT MOTION AND SPLASHING UNDER ITER CONDITIONS (15min)	TA5-S3-008 - Sungrae Kim THE POWER REDUCTION OF THE AIR BREATHING HALL-EFFECT THRUSTER (15min)	TA5-S4-057 - Xinhang Song Title: Plasma Otopscope: Ex-Vivo Study of Disinfection Rat. Eardrum by Microplasma Jet Array (15min)	TA5-S5-019 - Petr Lukes INVESTIGATION OF OXYCHLORINE CHEMISTRY IN PLASMA TREATED SALINE SOLUTIONS (15min)	TA8-S6-003 - Weihao Zhang INTELLIGENT IDENTIFICATION OF MATERIALS BASED ON INTEGRATION OF TERAHERTZ SPECTROSCOPY AND ARTIFICIAL INTELLIGENCE (15min)	

TA1-S1-033 - Denis Eremin Title: INFLUENCE OF THE SECONDARY ELECTRON EMISSION ON PLASMA UNIFORMITY IN VHF LOW-PRESSURE CCP DISCHARGES (15 min)	TA2-S7-017 - Stephen Langellotti Title: RESULTS ON THE DESIGN AND TESTING OF A COAXIAL MULTIPLET TEST CELL (15min)	TA4-S7-017 - Shuyu Dai Title: 3D SURO MODELING OF BERYLLIUM EROSION AND DEPOSITION ON TUNGSTEN ROUGH SURFACES (15min)	TA5-S4-064 - Sayan Biswas Title: NANOSECOND REPETITIVELY PULSED LOW-TEMPERATURE PLASMA IGNITION OF METHANE/AIR (15min)	TA5-S4-054 - Ana Dias Title: PLASMAS: A WAY TO PRODUCE GRAPHENE-BASED HYBRID NANOSTRUCTURES AT INDUSTRIAL SCALE FOR A WIDE RANGE OF APPLICATIONS (15min)	TA5-S5-036 - Dengke Xi Title: LIQUAFACATION OF FECAL MATERIAL THROUGH PLASMA ELECTROLYSIS (15min)	TA5-S5-022 - Sander Bekeschus Title: PLASMA-DERIVED ROS ELIMINATE MELANOMA IN AN IMMUNOGENIC FASHION IN VIVO (15min)	TA5-S5-028 - Liyang Zhang Title: BIOLOGICAL EFFECTS OF ATMOSPHERIC-PRESSURE PLASMA JETS: IN SITU STUDY BY FOURIER TRANSFORM INFRARED SPECTROSCOPY (15 min)	TAB-S6-006 - Wang Yueying Title: ULTRA-FAST RESONANCE RESPONSE OF CANTILEVERED PROBE IN TDS S-SNOM (15min)	TAB-S6-023 - Payam Rabeii Title: ELECTRO-OPTIC NANO-PHOTONIC DEVICES FOR DETECTION OF ELECTRIC FIELDS FROM DC TO THE FREQUENCY RANGE (15min)
2 hrs	2hrs	2hrs	1.75hrs	2hrs				2hrs	

Time	Poster Session - 4 on Day 4							
3000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	TA1-S2-017 - Jarrrod Leddy Title: PIC AND HYBRID SIMULATIONS OF PLASMA FORMATION IN SRF CAVITIES	TA2-S5-010 - Wenjing Cai Title: GPU-ACCELERATION AND OPTIMIZATION OF 3D FASTPIC SIMULATOR	TA3-S3-009 - Wei Jie Chan Title: ELECTRONIC COOLING OF NODAL-POINT SEMIMETALS AROUND ROOM TEMPERATURE	TA4-S6-044 - James Prager Title: SOLID-STATE HIGH VOLTAGE TRIGGER WITH FAST RISE TIME FOR HEDP APPLICATIONS	TA5-S4-003 - Zhan Zhao Title: USING THE SHOCK WAVES GENERATED BY UNDERWATER ELECTRICAL EXPLOSION FOR SEWAGE SLUDGE DEWATERING	TA5-S5-032 - Lutfi Oksuz Title: IMPACT OF PLASMA TREATMENT ON CHARACTERIZATIONS OF POLYMER COATED WOOL FABRICS	TA7-S4-039 - Travis Bejnes Title: CINCO: PROGRESS ON A COMPACT 5-MA PULSER FOR HEDP	TAB-S7-018 - Zhanliang Wang Title: DESIGN AND SIMULATION OF NOVEL HIGH GAIN TRAVELING WAVE TUBE
	TA1-S2-021 - Russell Hooper Title: ALEPH: HIGHLY SCALABLE UNSTRUCTURED PIC-OSMC LOW TEMPERATURE PLASMA CODE	TA2-S5-021 - Ian Rittersdorf Title: A ONE-DIMENSIONAL MODEL FOR RAPID CALCULATIONS OF A MOLYBDENUM LOADED ALUMINUM NITRIDE CERAMIC COMPOUND MILLIMETER-WAVE ABSORBER FOR WIRELESS POWER BEAMING	TA3-S3-012 - Chao-Hai Du Title: GENERATING ORBITAL ANGULAR MOMENTUM TERAHERTZ RADIATION BASED ON SPOOF SURFACE PLASMON	TA4-S6-047 - Dana Zimmer Title: INVESTIGATION OF CURRENT COUPLING PERFORMANCE IN 2 MACHINE EXPERIMENTS WITH VARYING TRANSMISSION LINE AND LOAD HARDWARE GEOMETRIES	TA5-S4-006 - Sheng-Yi Tang Title: CHARACTERISTICS AND APPLICATIONS OF HIGH-CONCENTRATION OZONE GENERATORS	TA5-S5-042 - Takahiro Enoki Title: INFLUENCE OF PULSED ELECTRIC FIELD ON PHOTOSYNTHESIS OF LEAF LETTUCE	TA7-S4-041 - Nail Tosun Title: ELECTROMAGNETIC LAUNCHER SPEED CONTROL WITH A MULTILEVEL FAST TRIGGERING TIME ALGORITHM (MFTTA)	TAB-S7-030 - Yulia Oparina Title: MECHANISMS OF STABILIZATION AND TERAHERTZ RADIATION FROM SHORT ELECTRON BUNCHES IN TWO-WAVE REGIMES
	TA1-S2-022 - Thomas Jenkins Title: GLOBAL MODEL DEVELOPMENT USING LEAST-SQUARES WEIGHTED RESIDUAL METHODS	TA2-S6-001 - Aviraj Jadhav Title: A NOVEL TE10 TO TE30 MODE CONVERTER INCORPORATING STEP TRANSFORMER AS A MATCHING ELEMENT	TA3-S3-016 - Do Thi Bich Hue Title: REVEALING ELECTRON SPILL-OUT IN PLASMONIC NANOSTRUCTURES USING PARTICLE SIMULATION	TA4-S6-048 - E. Sander Lavine Title: CHARACTERIZATION OF THE IMPLoding PLASMA SHEATH IN TRIPLE NOZZLE GAS-PUFF Z-PINCHES AT 1 MA	TA5-S4-008 - Ansh Raut Title: PLASMA ENHANCED OPTO-ELECTRONIC PROPERTIES OF FLUORINE DOPED TIN OXIDE (FTO) THIN FILMS	TA5-S5-047 - Aleksey Petrov Title: ACTION OF SUBNANOSECOND PULSED ELECTRIC FIELD ON HUMAN TUMOR CELLS	TA7-S4-042 - Roman Shapovalov Title: BLUE MILO AXIAL DIODE GAP OPTIMIZATION USING THE PULSED-POWER CIRCUIT CODE SCREAMER	TAB-S7-038 - Sahil Jain Title: COLD TEST ANALYSIS OF W-BAND PLANAR INTERACTION STRUCTURE DEVELOPING MICRO FABRICATION TECHNIQUES
	TA1-S2-023 - Sergey Averkin Title: SIMULATION OF THE GROWTH OF CARBON NANOTUBES IN FLOWING PLASMAS USING PARTICLE-IN-CELL METHOD	TA2-S6-002 - Aviraj Jadhav Title: DESIGN AND SIMULATION OF A 3.7 GHz HIGH POWER CW MAGNETRON	TA3-S3-017 - Stanislav Makarkin Title: STUDY THE SPENT ELECTRON BEAMS BASED LOW-VOLTAGE VIRCATOR	TA4-S7-006 - Joseph Vas Title: TAILORING THE MAGNETIC PROPERTIES OF COFEFETA USING HIGH ENERGY IONS IN A DENSE PLASMA FOCUS DEVICE	TA5-S4-015 - Ye Sun Title: RAPID PLASMA PREPARATION OF SUPERHYDROPHOBIC POLYESTER FABRICS FOR HIGHLY EFFICIENT OIL-WATER SEPARATION	TA5-S5-051 - Aleksandra Lavrikova Title: THE EFFECT OF TRANSIENT SPARK DISCHARGE ON BACTERIAL ACTIVITY OF S. AUREUS AND E. COLI		TAB-S8-001 - Kang Zhou Title: RIDGE WIDTH EFFECT ON COMB OPERATION IN TERAHERTZ QUANTUM CASCADE LASERS
	TA1-S2-026 - Rinku Mishra Title: CHARACTERISTIC STUDY OF A PLASMA ANTENNA USING PIC SIMULATION	TA2-S6-003 - Sandeep Sankar Title: PERFORMANCE EVALUATION OF A 3.7 GHz, 1 KW CW SOLID STATE SOURCE FOR LHCD SYSTEM OF SST-1 TOKAMAK	TA3-S3-006 - Lim Zhen Jie Jeremy Title: PARTICLE-IN-CELL SIMULATION OF PLASMONS	TA4-S7-007 - Avinash Chaurasiya Title: EFFECT OF OXYGEN PLASMA ON MAGNETOELECTRIC PROPERTIES OF NiFe2O4/PVDF COMPOSITES	TA5-S4-017 - Jingling Liu Title: EFFECT OF JET PLASMA ON THE SURFACE MODIFICATION OF COMPOSITE MATERIALS	TA5-S5-052 - Siril Raud Title: IMPACT OF AMBIENT GAS COMPOSITION OF ARGON PLASMA JET ON PAM COMPOSITION AND CANCER CELL VIABILITY*		TAB-S8-002 - Zeping Li Title: COMPACT TERAHERTZ MULTITERAHERTZ DUAL-COMB SPECTROSCOPY USING QUANTUM CASCADE LASERS
	TA1-S2-027 - Tugba Piskin Title: THE SIMPLIFIED APPROACHES TO NANOSECOND PULSED DISCHARGE MODELING WITH COMPARISON OF EXPERIMENTAL AND NUMERICAL DATA	TA2-S6-004 - Shrey Thakkar Title: DESIGN AND SIMULATION OF A NOVEL TEM TO TE11 MODE CONVERTER AT 3GHz FOR HPM APPLICATIONS	TA3-S3-023 - Ranajoy Bhattacharya Title: EFFECTS OF HIGH TEMPERATURE BAKEOUT ON GATED SILICON FIELD EMITTER ARRAYS	TA4-S7-008 - Priya Sharma Title: INVESTIGATION OF HELIUM ION INDUCED DAMAGE IN NANODEVISING UNO/ICP DENSE PLASMA FOCUS DEVICE	TA5-S4-031 - Luqman Akasyah Title: PLASMA-BASED SYNTHESIS OF TRITANTALUM PENTANITRIDE FOR VISIBLE-LIGHT DRIVEN PHOTOCATALYTIC OVERALL WATER SPLITTING			TAB-S8-005 - Zhanlong Fu Title: TERAHERTZ IMAGING WITH A QUANTUM CASCADE LASER AND A PIXELLESS IMAGING CHIP
	TA1-S2-031 - TIANNING ZHANG Title: Design of Meta-Surface using Machine Learning	TA2-S6-006 - Lauro Paulo Silva Neto Title: IMPROVING THE VOLTAGE MODULATION DEPTH OF RADIOFREQUENCY PRODUCED BY NONLINEAR TRANSMISSION LINES USING A SHOCK WAVE CONFIGURATION	TA1-S2-007 - John Luginisland Title: KUMOTOVICH, BOLTZMANN, AND VLASOV - WHAT ARE PIC CODES REALLY SOLVING?	TA4-S7-011 - Seongmin Hong Title: EVALUATION OF ULTRA HIGH TEMPERATURE CERAMIC COATED CARBON FIBER REINFORCED COMPOSITES USING 0.4 MW CLASS ARC HEATER	TA5-S4-034 - Danhua Mei Title: PLASMA-ENABLED FAST LIQUAFACATION OF LIQNOCELLULOSIC BIOMASS: IMPACT OF BIOMASS FEEDSTOCKS		TA5-S4-028 - Thomas Maho Title: GERMINATION RATE AND VIGOR STUDIES OF BELL PEPPER SEEDS AFTER LOW-PRESSURE AIR MICROWAVE PLASMA TREATMENT	TA1-S1-034 - Sebastian Wilczek Title: FUNDAMENTALS OF ELECTRON DYNAMICS IN LOW PRESSURE CAPACITIVELY COUPLED RADIO FREQUENCY DISCHARGES
	TA1-S2-032 - Viktor Zhetkahtin Title: SIMULATION OF LOW PRESSURE ICRF PLASMA FLOW IN NON-LOCAL APPROXIMATION	TA2-S6-010 - Michael Perkins Title: SUCCESSFUL DEMONSTRATION OF A SHEET BEAM KLYSTRON AT S-BAND		TA4-S7-013 - Mayank Mishra Title: STUDY OF SLOW FOCUS MODE OPERATION OF DENSE PLASMA FOCUS DEVICE FOR ION IMPLANTATION	TA5-S4-036 - Jiawei Li Title: RESEARCH OF THE EFFECT OF WIRES-MESH CORONA DISCHARGE ON FOG DISSIPATION	TA5-S4-038 - Jun Choi Title: IMPROVEMENT OF INDOOR AIR QUALITY BY SURFACE DBD	TAB-S7-012 - Duo Xu Title: THE SIMULATION AND DESIGN OF PILLBOX WINDOW AT TERAHERTZ WAVEBAND	TA5-S1-036 - Bruno Cailler Title: SPECTROSCOPIC DIAGNOSTIC OF A KR DIELECTRIC BARRIER DISCHARGE, COMPARISON AND INTERPRETATION OF CHEMICAL PROCESS



<b>Time</b>	<b>Day 5 - 10 December 2020</b>							
1100 – 1230 Singapore/Beijing 1200 – 1330 Tokyo 0830 – 1000 Delhi 0500 – 0630 Tel Aviv 0300 – 0430 London 2200 – 2330 (-1) Washington DC 1900 – 2030 (-1) San Diego (US)	<b>SC: John Verboncoeur</b> Plenary 7 - Rodney Mason - TA4-S5-016: COLLISIONLESS SHOCKS, IMPLICIT MOMENTS AND LASER FUSION IMPLSIONS  <b>SC: Alla Safronova</b> Plenary 8 - Deng Jianjun - TA4-S6-012: RECENT PROGRESS OF PULSED-POWER-DRIVEN HIGH ENERGY DENSITY PHYSICS IN CHINA							
<b>SC = Session Chair</b>								

PARALLEL SESSIONS								
DSM1-TA1.5+TA1.1 SC: Chengran Du	DSM2-TA2.7 SC: Yongdong Li	DSM3-TA2.6 SC: Lalit Kumar	DSM4-TA4.4 SC: Alla Safronova	DSM5-TA5.4 SC: Allen Garner	DSM6-TA5.5 SC: Masafumi Ito	DSM7	DSM8-TA8.7 SC: Bo Zhang	
TA1-S5-014 - Yan Feng Title: INTERACTION OF DUST-ION ACOUSTIC SHOCKS IN QUANTUM DUSTY PLASMA (Invited Talk - 30 min)	TA2-S7-024 - Sudeep Bhattacharjee Title: FOCUSED ION BEAM OPTICS DRIVEN BY SHEATH NONLINEARITY AND WAVE-PLASMA INTERACTION IN RESTRICTED GEOMETRY (Invited Talk - 30min)	TA2-S6-007 - Travis Crawford Title: MEASUREMENTS OF SINGLE AND DUAL INCLUSION COMPOSITES FOR NLT SYSTEMS FROM 1-4GHZ (15min)	TA4-S4-004 - Jonathan Wurtele Title: CREATING AND CONTROLLING PLASMA-BASED OPTICAL ELEMENTS (Invited Talk - 30 min)	TA5-S4-063 - Jim Browning Title: COLD ATMOSPHERIC PRESSURE PLASMA ARRAY FOR BIOFILM INACTIVATION (Invited Talk - 30 min)	TA5-S5-010 - Michael Keidar Title: NEW UNDERSTANDING OF HOW COLD ATMOSPHERIC PLASMA TREAT CANCER (Invited Talk - 30min)		TA8-S7-035 - Jagadishwar Sirigiri Title: HIGH POWER TERAHERTZ SYSTEMS FOR CHARACTERIZING BURNING PLASMAS (Invited Talk - 30 min)	
TA1-S5-010 - Michael Murillo Title: MULTI-FIDELITY GAUSSIAN PROCESS REGRESSION FOR RAPID PLASMA PROPERTIES (Invited Talk - 30 min)	TA2-S7-023 - John Boske Title: SIMULATION AND EXPERIMENTAL VERIFICATION OF MULTIFACTOR IN PARALLEL-PLATE MICROSTRUCTURE (15min)	TA2-S6-008 - Benedikt Esser Title: A HIGH POWER 2.85 GHZ GAN RF SOURCE FOR DIRECT DETECTION OF MULTIFACTOR RESEARCH (15min)	TA4-S4-006 - Chen ZHANG Title: DYNAMICALLY PRE-COMPRESSED HYDROCARBON STUDY ON SG-III PROTOTYPE LASERS (15min)	TA5-S4-056 - Katsuhiko Suenaga Title: IMPROVEMENT OF AGGREGATION INHIBITION OF NANOPARTICLE DISPERSION BY NONTHERMAL PLASMA IRRADIATION (15min)	TA5-S5-038 - Milad Rasouli Title: MECHANISMS OF SELECTIVE NON-THERMAL PLASMA EFFECTS TOWARDS CANCER AND NORMAL CELLS (15min)		TA8-S7-009 - Yubin Gong Title: Radiation in Ion Focused Beam-Plasma System (Invited Talk - 30 min)	
TA1-S5-009 - Lucas Stanek Title: EFFECTIVE PAIR POTENTIALS FOR DENSE PLASMA APPLICATIONS (15 min)	TA2-S7-027 - Chuj Wang Title: CAVITY RINGDOWN MEASUREMENT OF OH(X) IN THE MICROWAVE PLASMA-ASSISTED IGNITION (15min)	TA2-S6-009 - Andrew Fairbanks Title: TESTING NONLINEAR TRANSMISSION LINES MADE OF NOVEL COMPOSITES (15min)	TA4-S4-007 - Chuansheng Yin Title: STABILIZATION OF THE RAYLEIGH-TAYLOR INSTABILITY IN LASER-DRIVEN QUASI-SENTROPIC COMPRESSION EXPERIMENTS (15min)	TA5-S4-057 - Hideaki Fukuoka Title: OZONE GENERATION USING A TUBE-TO-CYLINDER ELECTRODE FOR NANOSECOND PULSE GENERATOR WITH RAPID RISE TIME (15min)	TA5-S5-039 - Ivana Sremacki Title: ANNULAR SHAPE RF JET IN CONTACT WITH AEROSOL: UV EMISSION CONTROL FOR SAFE BIOMEDICAL APPLICATION (15min)		TA8-S7-001 - Hubo Zhang Title: THE GENERATION OF COHERENT AND TUNABLE TERAHERTZ RADIATION FROM PLASMA MODULATED ELECTRON BEAMS (15min)	
TA1-S5-016 - Tahreem Yousef Title: ION IMPLANTATION STUDY OF TUNGSTEN ALLOYS AS PLASMA FACING COMPONENTS (15 min)	TA2-S7-031 - Yang Cao Title: WAKE EXCITATION IN A CYLINDRICAL WAVEGUIDE DRIVEN BY A GIGAWATT SUB-NANOSECOND K-BAND MICROWAVE PULSE (15min)		TA4-S4-020 - Ryan Childers Title: ANALYSIS OF FE/NI EMISSION LINE RATIO IN LABORATORY AND ASTROPHYSICAL PLASMAS (15min)	TA5-S4-069 - Sanjana Kerketta Title: OZONE GENERATION EFFICIENCY USING NANOSECOND PULSED PLASMA AT ABOVE ATM PRESSURES (15min)	TA5-S5-040 - Zhtong Chen Title: MICRONEEDLE PATCH-ASSISTED COMBINATION OF COLD ATMOSPHERIC PLASMA AND RANNDOMIZED CHECKPOINT BLOCKADE (15min)		TA8-S7-004 - Yang Liu Title: DEVELOPMENT OF PACKAGED G-BAND POWER AMPLIFIER BASED ON INP HEMT TECHNOLOGY UTILIZING NOVEL DE-EMBEDDING TECHNIQUES (15min)	
TA1-S5-017 - Paul Bellan Title: WHY INTERSTELLAR ICE DUST GRAINS SHOULD BE ELONGATED (15 min)	TA2-S7-032 - Taichi Sugai Title: ANALYSIS OF EXPERIMENTAL MULTIFACTOR OBSERVATION SIGNALS USING SPARK3D SOFTWARE (15min)			TA5-S4-072 - Gaurav Nayak Title: RAPID INACTIVATION OF VIRUS AEROSOLS BY DIELECTRIC BARRIER DISCHARGE IN AIR AT ATMOSPHERIC PRESSURE (15min)	TA5-S5-041 - Li Lin Title: MACHINE LEARNING CONTROLLED SELF-ADAPTIVE PLASMA MEDICINE (15min)		TA8-S7-010 - Andrey Arzhannikov Title: GENERATION OF DIRECTED FLUX OF MEGAWATT THZ RADIATION AS RESULT OF STRONG REB-PLASMA INTERACTION IN PLASMA COLUMN (15min)	
TA1-S5-072 - Yao Du Title: MOLECULAR DYNAMIC SIMULATION OF THE EFFECTS OF GLANCING-ANGLE SCATTERINGS ON THE FORMATION OF HIGH ASPECT RATIO FEATURES (15 min)	TA2-S7-033 - Zachary Shaw Title: MULTIFACTOR SUSCEPTIBILITY IN PLANAR MICROWAVE GEOMETRIES (15min)			TA5-S4-074 - Terusaki Mori Title: SUPPRESSION OF ARC TRANSITION IN NANOSECOND PULSED DISCHARGE BASED OZONIZER (15min)	TA5-S5-043 - Meimei Lai Title: IMPACT OF SUBSTRATES ON OH PRODUCTIONS IN A NANOSECOND HELIUM PLASMA JET IMPINGING ON WATER, SALINE OR PIG SKIN (15min)		TA8-S7-014 - Hong Eun Choi Title: THE MEASUREMENT OF PERMITTIVITY USING TEO1 MODE IN A CYLINDRICAL WAVEGUIDE BEYOND 300GHZ FREQUENCY BAND (15min)	
	TA2-S7-035 - Xiaoli Qiu Title: INVESTIGATIONS OF GEOMETRIC MODIFICATIONS AND STATIC MAGNETIC FIELDS ON MULTIFACTOR MITIGATION IN RECTANGULAR WAVEGUIDES (15min)				TA5-S5-044 - Shahriar Mirpour Title: EFFECT OF COLD PLASMA ON DIABETIC FOOT ULCERS: A RANDOMIZED CLINICAL TRIAL (15min)			

2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	<b>Poster Sesstion - 5 (List of posters is after parallel sessions below)</b>							
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PARALLEL SESSIONS								
DSN1-TA1.6 SC: Min Suk Cha	DSN2	DSN3	DSN4	DSN5-TA5.4 SC: Russell S. Brayfield	DSN6-TA5.5 SC: Chunqiu Jiang	DSN7	DSN8-TA8.8 SC: Hua Li	
TA1-S6-012 - Dae Hoon Lee Title: APPLICATION OF PLASMA FOR REFINERY PROCESSES (Invited Talk - 30 min)				TA5-S4-076 - Osakpolo Isowamwren Title: PLASMA-ASSISTED DEGRADATION OF PERFLUOROBUTANE SULFONATE: THE INFLUENCE OF BULK LIQUID MASS TRANSPORT ON PROCESS EFFECTIVENESS (15min)	TA5-S5-045 - Naman Bhatt Title: DEVELOPING A LOW-COST DEPROGATION PROCESS USING ATMOSPHERIC PRESSURE PLASMAS (15min)		TA8-S8-006 - Taiichi Otsuji Title: TERAHERTZ CURRENT-DRIVEN LASING AND AMPLIFICATION IN GRAPHENE-BASED VDW HETEROSTRUCTURES (Invited Talk - 30min)	
TA1-S6-003 - Sivanandan Harilal Title: GAS-PHASE MOLECULAR FORMATION IN ACTINIDE LASER-PRODUCED PLASMAS (Invited Talk - 30 min)				TA5-S4-079 - Yoan Bacqueyrisses Title: MEASUREMENTS OF PRESSURE WAVES GENERATED BY PULSED ELECTRIC DISCHARGES IN WATER (15min)	TA5-S5-046 - Jaroslav Kristof Title: PERMEABILITY OF EPIDERMAL LAYER OF THE SKIN FOR ADENOSINE BY MICROPLASMA AND IONTOPHORESIS (15min)		TA8-S8-009 - Hua Li Title: TERAHERTZ FREQUENCY COMBS AND DUAL-COMB BASED ON QUANTUM CASCADE LASERS (Invited Talk - 30min)	
TA1-S6-002 - Ahmad Hamdan Title: POSITIVE VS. NEGATIVE PULSED NANOSECOND AIR PLASMA IN CONTACT WITH WATER (15 min)				TA5-S4-080 - Sagung Dewi Kencana Title: HNT AS A BIODEGRADABLE CARRIER POLYMERIZED BY COLD SOLID-STATE ENHANCEMENT ON PRINTED CIRCUIT BOARDS (15min)	TA5-S5-049 - Milad Rasouli Title: HNT AS A BIODEGRADABLE CARRIER POLYMERIZED BY COLD ATMOSPHERIC PRESSURE PLASMA FOR IN VIVO RELEASE OF CARBOPLATIN AND PACLITAXEL (15min)		TA8-S8-010 - Kazuo Fujita Title: LOW-FREQUENCY TERAHERTZ QUANTUM CASCADE LASER BASED ON INTRA-CAVITY NONLINEAR MIXING (Invited Talk - 30min)	
TA1-S6-007 - Ramses Snoeck Title: DEVELOPMENT AND VALIDATION OF A TEMPERATURE DEPENDENT PLASMACHEMICAL KINETICS SET FOR H <sub>2</sub> N/O SYSTEMS (15 min)				TA5-S4-082 - Ferhat Bozduman Title: AN ALTERNATIVE STUDY FOR REDUCING SILICOSIS DISEASE BY PERFORMING DENIM BLEACHING WITH ATMOSPHERIC PRESSURE PLASMA METHOD (15min)	TA5-S5-050 - Amanda Loveless Title: A SIMPLIFIED THEORY UNIFYING ELECTROPHORATION AND ACTION POTENTIAL PROPAGATION (15min)		TA8-S8-008 - Yan Xie Title: SELF-MIXING INTERFEROMETRY IN A TERAHERTZ QUANTUM CASCADE LASER WITH EXTERNAL DUAL CAVITY (15min)	
TA1-S6-010 - Zhiling Li Title: X-RAY PHOTOELECTRON SPECTROSCOPY STUDY FOR TiO <sub>2</sub> -LIKE FILMS DEPOSITED BY RF INDUCTIVELY COUPLED PLASMA: EFFECT OF GAS FLUX (15 min)					TA5-S5-053 - Sifri Raud Title: THE INFLUENCE OF O <sub>2</sub> , N <sub>2</sub> OR AIR AMBIENT GASES ON PAM CHEMICAL COMPOSITION PRODUCED BY ARGON RF PLASMA JET* (15min)			

TA1-S6-015 - THAI VAN-PHUOC AC GLOW DISCHARGE ON LIQUIDS: UNIQUE PROPERTIES AND ITS APPLICATION FOR METAL NANOPARTICLE SYNTHESIS (15 min)							
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**Poster Session - 5 on Day 5**

Time							
2000 – 2200 Singapore/Beijing 2100 – 2300 Tokyo 1730 – 1930 Delhi 1400 – 1600 Tel Aviv 1200 – 1400 London 0700 – 0900 Washington DC 0400 – 0600 San Diego (US)	TA1-S2-033 - Geonwoo Park Title: AN INVESTIGATION OF THE PLASMA CHARACTERISTICS AS ARGON/OXYGEN RATIO IN A CAPACITIVELY COUPLED PLASMA USING 2-DIMENSIONAL PARTICLE-IN-CELL SIMULATION PARALLELED GPU.	TA2-S7-001 - Derek Neben Title: A TEST SOURCE FOR THE PRODUCTION OF MILLIMETER-WAVE RF USING THE TWO-STREAM INSTABILITY	TA1-S4-011 - Viktor Zheltukhin Title: STUDYING OF THE INTERACTION BETWEEN LOW PRESSURE RF PLASMA AND ULTRAHIGH MOLECULAR-WEIGHT POLYETHYLENE	TA4-S7-015 - Rajdeep Singh Rawat Title: DENSE PLASMA FOCUS BASED NANOMATERIAL PROCESSING AND SYNTHESIS	TAS-S4-004 - Zhan Zhao Title: EFFECT OF CIRCUIT AND WIRE PARAMETERS ON MICROSECOND UNDERWATER ELECTRICAL WIRE EXPLOSION WITH THE STORED ENERGY OF TENS OF KILO JOURLE	TA5-S4-077 - Kazuto Ishibashi Title: CHARACTERISTIC EVALUATION OF LAMINAR ATMOSPHERIC PRESSURE PLASMA JET WITH DOUBLE COAXIAL TUBE STRUCTURE BY DIRECTION OF APPLIED ELECTRIC FIELD.	
	TA1-S2-037 - Prem Kiran Patni Title: A ONE DIMENSIONAL NUMERICAL SIMULATION OF LASER PRODUCED AIR PLASMA INTERACTION WITH A METALLIC TARGET	TA2-S7-005 - Xiaofang Zhu Title: A NOVEL BEAM-WAVE INTERACTION FEEDBACK CIRCUIT FOR THZ RADIATION SOURCE	TA1-S4-012 - Jung Yeol Lee Title: INDEPENDENT VARIABLES TO CONTROL A TIME-VARYING ENERGY DISTRIBUTION OF CHARGED SPECIES IN A CAPACITIVELY COUPLED PLASMA	TA4-S7-019 - Qiaque Liu Title: STUDY ON AN/AP/AL MIXTURE POWDERS IGNITED BY MICROSECOND EXPLODING TUNGSTEN WIRE	TAS-S4-039 - Min-Gyu Choi Title: EFFECT OF PLASMA INPUT POWER AND FEEDING SPEED ON THE SURFACE TEMPERATURES OF STAINLESS STEEL 316L DURING PLASMA ASSISTED MILLING	TA5-S4-083 - Mostafa Elsayed Hassan Title: INVESTIGATION OF OZONE AND HYDROGEN PEROXIDE TRANSPORT INTO WATER AEROSOLS AND BULK LIQUID	
	TA1-S2-042 - Zakari Eckert Title: BENCHMARK VERIFICATION OF THE ALEPH PIC-DSMC PROGRAM	TA2-S7-010 - U WU Title: EXPERIMENTAL INVESTIGATION OF MICROWAVE FREQUENCY EFFECTS ON THE DISCHARGE PROPERTIES IN AN ATMOSPHERIC-PRESSURE COAXIAL PLASMA JET	TA1-S4-015 - Askar Davletov Title: IONIZATION POTENTIAL DEPRESSION IN PARTIALLY IONIZED HYDROGEN	TA1-S6-004 - Hyun Gyu Lee Title: COMPUTATIONAL MODELLING OF RONS GENERATION AND ITS ENHANCEMENT BY UV PHOTOLYSIS IN PLASMA-LIQUID SYSTEM	TAS-S4-049 - Noriyuki Sakudo Title: FLOATING REACTOR TO STABILIZE ION ENERGIES IN PLASMA DOPING	TA1-S6-004 - Lucas Stanek Title: HYBRID QUANTUM-HYDRODYNAMICS/MOLECULAR DYNAMICS FOR ULTRACOLD NEUTRAL PLASMAS	
	TA1-S2-047 - Peter Stoltz Title: A NEW ALGORITHM FOR SPACE CHARGE LIMITED FLOW	TA2-S7-018 - Shen Shou Max Chung Title: SIMULATION STUDY ON REDUCING AIRCRAFT ENGINE FRONT RADAR CROSS SECTION WITH ATMOSPHERIC PRESSURE PLASMA GENERATED BY DIELECTRIC BARRIER DISCHARGE	TA1-S4-017 - Ja Han Title: THREE-DIMENSIONAL MEASUREMENTS OF FUNDAMENTAL PLASMA PARAMETERS IN PULSED ICP OPERATION	TA1-S6-005 - Jinhong Kim Title: MICROPLASMA-DRIVEN ATOMIC LAYER DEPOSITION OF ALUMINUM OXIDE ETCH-FREE PATTERNING, AND GALLIUM OXIDE-BASED FLEXIBLE DUV PHOTODETECTOR	TAS-S4-050 - Amnon Fruchtman Title: MASS SEPARATION BY OSCILLATING ELECTROMAGNETIC FIELDS	TA1-S6-008 - SUNIDHI SINGLA Title: INTERACTION OF DUST-ION ACOUSTIC SHOCKS IN QUANTUM DUSTY PLASMA	
	TA1-S2-049 - Dharitree Dutta Title: PARTICLE-IN-CELL SIMULATION OF A CURRENT FREE DOUBLE LAYER	TA2-S7-019 - Patrick Wong Title: MULTIPLICATOR EFFECTS ON SIGNAL QUALITY IN TRANSMISSION LINES IVEN BY DIGITALLY MODULATED SIGNALS	TA1-S4-010 - Yaoting Wang Title: COMPARISON AND ANALYSIS OF FLUID METHOD AND PIC METHOD FOR THE CHARGED PARTICLE TRANSPORT PROCESSES UNDER AN EXTERNALLY APPLIED ELECTROSTATIC FIELD	TA1-S6-006 - Seunghwan Bang Title: GLYCEROL REFORMING IN AN AQUEOUS DISCHARGE REFORMER	TAS-S4-062 - Min Hwan Kim Title: DEVELOPMENT OF MICRO DISCHARGE PLASMA STERILIZING WATER AND STORAGE EQUIPMENT FOR AGRICULTURAL INDUSTRY	TA1-S6-015 - Askar Davletov Title: LOW FREQUENCY WAVES IN STRONGLY COUPLED DUSTY PLASMAS: QUASI-LOCALIZED CHARGE APPROXIMATION VERSUS SELF-CONSISTENT METHOD OF MOMENTS	
	TA1-S2-054 - David Rose Title: NEW ALGORITHM DEVELOPMENTS AND ADVANCED APPLICATIONS OF THE CHICAGO HYBRID PARTICLE-IN-CELL CODE	TA2-S7-021 - Nikita Gurjar Title: ANALYSIS OF PLASMA ASSISTED W-BAND INTERACTION STRUCTURE			TAS-S4-065 - Jun Choi Title: DECOMPOSITION OF THE BIS(2-HYDROXYETHYL) TEREPHTHALATE (BHET) BY ATMOSPHERIC NONTHERMAL PLASMA	TA1-S6-004 - Hyun Gyu Lee Title: COMPUTATIONAL MODELLING OF RONS GENERATION AND ITS ENHANCEMENT BY UV PHOTOLYSIS IN PLASMA-LIQUID SYSTEM	
	TA1-S2-003 - Suresh Basnet Title: EFFECT OF PRESHEATH ELECTRON TEMPERATURE ON MAGNETIZED PLASMA-WALL TRANSITION AND WALL SPUTTERING BY PLASMA HAVING TWO SPECIES OF POSITIVE IONS	TA2-S7-034 - Kieran Wilson Title: DEVELOPMENT OF A PLASMA EXPERIMENT AND MICROWAVE SOURCES FOR FOR WAVE-PLASMA INTERACTION EXPERIMENTS			TAS-S4-071 - Wen Liu Title: DEVELOPMENT OF A NEW LIGHTNING PROTECTION DEVICE WITH A PSEUDOSPARK SWITCH AND SERIES ZINC OXIDE VARISTOR	TA1-S6-005 - Jinhong Kim Title: MICROPLASMA-DRIVEN ATOMIC LAYER DEPOSITION OF ALUMINUM OXIDE ETCH-FREE PATTERNING, AND GALLIUM OXIDE-BASED FLEXIBLE DUV PHOTODETECTOR	
	TA1-S2-016 - Rupinder Kaur Title: PROPAGATION OF ION-ACOUSTIC SHOCK WAVES IN MAGNETIZED DENSE QUANTUM PLASMAS	TA2-S7-036 - Pratik Ghosh Title: MODELLING AND SIMULATION OF GAS HEATING MECHANISM DURING HIGH POWER MILLIMETER WAVE BREAKDOWN IN AIR			TAS-S4-075 - Rikuo Iwataki Title: NITRIC OXIDE REMOVAL USING NANOSECOND PULSED POWER GENERATOR EMPLOYING A PEAKING GAP SWITCH	TA1-S6-006 - Seunghwan Bang Title: GLYCEROL REFORMING IN AN AQUEOUS DISCHARGE REFORMER	
	TA1-S2-022 - Ling-Hsiao Lyu Title: GENERATION AND EXPANSION OF WHISTLER-CHORUS WAVES IN THE EARTH'S MAGNETOSPHERE	TA2-S7-037 - Bengt Eliasson Title: ELECTRON CYCLOTRON EMISSIONS FROM MIRROR TRAPPED PLASMA: OBSERVATIONS AND MODELLING RESULTS			TAS-S4-048 - Lutfi Okuz Title: PLASMA DISCHARGE IN WASTEWATER	TA1-S6-008 - Bahram Mahdaviipour Title: PLASMA CHEMISTRY SIMULATION OF A PLANAR DIELECTRIC BARRIER DISCHARGE IN AIR	