

## ICOPS/Beams 2014 Technical Program Errata: May 23, 2014

### **General Corrections:**

**Typo on p. 13:** Monday 5/27 for the Women in Engineering Reception should be Monday 5/26.

**Typo on p. 93:** Session 6E title is "Vacuum Microelectronics and THz Devices and Non-Fusion Microwave Systems (combined)", not "Microwave Sources"

### **Session Chairs:**

**2A** Yaman Güçlü, *Michigan State University*

**PL3** Weihua Jiang, *Nagaoka University of Technology*

**2P:1.2** Keith Cartwright, *Sandia National Laboratories*

**PL6** Carl Ekdahl, *Los Alamos National Laboratory*

### **Session 1A:**

**Switched with 3F-8:** 1A-10 SPECIES GENERATION AND DENSITIES IN ELECTRON BEAM-GENERATED PLASMAS

### **Session 1C:**

**WITHDRAWN:** 1C-3 DEVELOPMENT AND MEASUREMENT OF A MICROWAVE MICROPLASMA SOURCE FOR MICROPROPULSION

### **Session 1E:**

**WITHDRAWN:** 1E-1 RECENT ADVANCES IN HALL THRUSTER MAGNETIC SHIELDING TECHNOLOGY

**Change:** Talks 1E-2 through 1E-9 are moved to 1E-1 through 1E-8

**New 1E-9:** (previously numbered 5D-8) PARTICLE-IN-CELL MODELING OF THE HEATERLESS HOLLOW CATHODE OPERATION: KEEPER REGION

### **Session 1F:**

**New 1F-9:** (previously numbered 2P-7) ADVANCES IN IMPEDANCE PROBE APPLICATIONS AND DESIGN IN THE NRL SPACE PHYSICS SIMULATION CHAMBER

### **Session 1P:**

**WITHDRAWN:** 1P-53 STUDY ON ARGON METASTABLE AND 4P STATE NEUTRAL ATOMS IN MAGNETIZED ICP AND HELICON PLASMAS MEASURED BY LASER INDUCED FLUORESCENCE AND PLASMA EMISSION

**Moved to 4B-6:** 1P-62 WARM AND HARD X-RAY DIAGNOSTICS FOR THE Z FACILITY

**New 1P-62:** (previously numbered 4B-2) ACTIVE SPECTROSCOPIC METHODS MONITORING OF

ACTIVE SPECIES IN ATMOSPHERIC RADIO FREQUENCY PLASMA

### **Session 2B:**

**Change:** 2B-3 and 2B-7 have switched places.

### **Session 2E:**

**WITHDRAWN:** 2E-4 MICROWAVE PLASMA DIAGNOSTICS

### **Session 2P:**

**Moved to 1F-9:** 2P-7 ADVANCES IN IMPEDANCE PROBE APPLICATIONS AND DESIGN IN THE NRL SPACE PHYSICS SIMULATION CHAMBER

**WITHDRAWN:** 2P-17 ION ACOUSTIC SOLITONS IN MAGNETIZED DENSE PLASMAS WITH NON-RELATIVISTIC AND ULTRA-RELATIVISTIC DEGENERATE ELECTRONS

**WITHDRAWN:** 2P-48 MEASUREMENT OF EFFECTIVE SHEATH WIDTH AROUND CUTOFF PROBE IN LOW-PRESSURE PLASMAS

**WITHDRAWN:** 2P-51 EFFECTS OF DOUBLE TEMPERATURE IONS ON CYLINDRICAL AND SPHERICAL DUST-ACOUSTIC SHOCK WAVES IN COMPLEX PLASMAS

**WITHDRAWN:** 2P-68 INDIRECT ONLINE PLASMA CHARACTERIZATION THROUGH ELECTRICAL PARAMETERS FOR INDUCTIVELY COUPLED PLASMA SOURCES

**WITHDRAWN:** 2P-77 SELF-MAGNETIC PINCH DIODE EXPERIMENTS AT 2.0 MV

### **Session 3A:**

**WITHDRAWN:** 3A-9 PLASMA PROPERTIES OF AN INDUCTIVELY-COUPLED ATMOSPHERIC MICROPLASMA

**New 3A-9:** (previously numbered 3P-54) UV EMISSION AND PROBE DIAGNOSTICS AND COMPUTATIONAL MODELING OF A LOW PRESSURE MICROWAVE EXCITED MICROPLASMA SOURCE

### **Session 3D:**

**Moved to 1P-76a:** 3D-9 ELECTRIC EXPLODING WIRE TRIGGERING OF THE MEGAVOLT GAS SPARK GAP SWITCH

### **Session 3F:**

**Switched with 1A-10:** 3F-8 THRESHOLDS FOR MICROBUBBLE AND MICROPLASMA GENERATION IN LIQUID

### **Session 3P:**

**WITHDRAWN:** 3P-2 RADIATION OF A WAKEFIELD

EXCITED BY AN ELECTRON BUNCH TRAIN IN A SECTION OF A DIELECTRIC WAVEGUIDE  
**WITHDRAWN:** 3P-31 ELECTROPHYSICAL METHODS OF BACTERIOLOGICAL DISINFECTION OF WATER MEDIUM

**WITHDRAWN:** 3P-49 MAGNETIC FIELD ANGLE EFFECTS ON SHEATH FORMATION NEAR A FLAT PLATE SURFACE WITH APPLICATIONS TO HALL THRUSTERS

**Moved to 3A-9:** 3P-54 UV EMISSION AND PROBE DIAGNOSTICS AND COMPUTATIONAL MODELING OF A LOW PRESSURE MICROWAVE EXCITED MICROPLASMA SOURCE

**WITHDRAWN:** 3P-80 STORAGE AT LOW TEMPERATURE OF WATER ACTIVATED BY ALTERNATING CURRENT COLD PLASMA

**Moved to 6D-6:** 3P-85 EFFECTS OF GROWTH MEDIUM TREATED BY PLASMA PENCIL ON THE VIABILITY OF SCABER CANCER CELLS

**Session 4B:**

**Moved to 1P-62:** 4B-2 ACTIVE SPECTROSCOPIC METHODS MONITORING OF ACTIVE SPECIES IN ATMOSPHERIC RADIO FREQUENCY PLASMA

**Moved to 4B-2:** 4B-6 TALBOT-LAU MOIRE X-RAY DIAGNOSTIC FOR HIGH ENERGY DENSITY PLASMAS

**New 4B-6:** (previously numbered 1P-61) WARM AND HARD X-RAY DIAGNOSTICS FOR THE Z FACILITY

**Session 4C:**

**WITHDRAWN:** 4C-6 TIME DEPENDENT NONPLANAR DIA SHOCK WAVES IN MULTI-COMPONENT DUSTY PLASMAS WITH DISTINCT TEMPERATURE SUPERHERMAL ELECTRONS

**Session 4E:**

**Moved to 1P-89a:** 4E-5 DESIGN FEATURES AND OPERATION EXPERIENCE OF A HIGH REPETITION RATE PULSED ELECTRON ACCELERATOR

**Session 5D:**

**Moved to 1E-9:** 5D-8 PARTICLE-IN-CELL MODELING OF THE HEATERLESS HOLLOW CATHODE OPERATION: KEEPER REGION

**Moved to 5D-8:** 5D-9 UNDERSTANDING THE DISCHARGE CURRENT DISTRIBUTION AND UPPER OPERATIONAL LIMIT OF A HIGH POWER, GRIDDED ION THRUSTER

**Session 6C:**

**New 6C-1:** (previously numbered 1P-30) THE MAGNETIZED NOH PROBLEM WITH BOTH AXIAL AND AZIMUTHAL MAGNETIC FIELDS

**Moved to 6C-2:** 6C-1 EFFECTS OF AXIAL MAGNETIC FIELD ON MHD INSTABILITIES IN CYLINDRICAL LINERS

**Moved to 6C-3:** 6C-2 FEEDTHROUGH OF THE MAGNETO-RAYLEIGH-TAYLOR INSTABILITY IN THE PRESENCE OF A SHOCK

**WITHDRAWN:** 6C-3 STUDY OF MAGNETIC FIELDS IN THE DENSE Z PINCH USING UV FARADAY ROTATION DIAGNOSTICS

**Session 6D:**

**WITHDRAWN:** 6D-4 EXAMINATION OF PLASMA-TISSUE INTERACTIONS USING NUMERICAL MODELING AND LABORATORY DIAGNOSTICS

**Moved to 6D-4 (now 30min talk):** 6D-5 CONTRIBUTION OF ELECTRIC FIELDS AND ACTIVE SPECIES IN NANOSECOND PULSED DBD PLASMA TREATMENT FOR STIMULATION OF MURINE MESENCHYMAL C3H10T1/2 CELLS

**Moved to 6D-5:** 6D-6 SYNERGISTIC ANTIBACTERIAL EFFECTS OF LOW TEMPERATURE PLASMA COMBINED WITH PULSED ELECTRIC FIELDS

**WITHDRAWN:** 6D-7 NANOSECOND PULSED ELECTRIC FIELDS (NSPEFS) AS A NOVEL

TECHNOLOGY FOR IMPROVING AVERMECTINS PRODUCTION IN STREPTOMYCES AVERMITILIS

**Moved to 6D-7:** 6D-8 THE ELECTROPHYSIOLOGICAL EFFECT OF NANOSECOND PULSED ELECTRIC FIELDS ON MAGNETIC FLUID HYPERTHERMIA TO TREAT HELA CELLS

**Session 7A:**

**Moved to 3P-79a:** 7A-8 RAPID ALLERGEN INACTIVATION USING ATMOSPHERIC PRESSURE COLD PLASMA

**Session 7D:**

**Change:** 7D-1 and 7D-9 have switched places.

**Session 7F:**

**Change:** 7F-2 is now a 30 min talk.

**Moved to 2P-37a:** 7F-3 A FLAT PANEL DETECTOR

**WITHDRAWN:** 7F-5 OPTIMIZATION TO IMPROVE COUPLING TO PHOTONIC CRYSTAL DIELECTRIC ACCELERATOR STRUCTURES

**Change:** 7F-6 through 7F-9 have moved up to 7F-5 through 7F-8