

Technical Session	Technical Session Organizer
1.3 Space Plasmas	Stephen Milan (steve.milan@leicester.ac.uk)

Session TH 1.2: Partially Ionized Plasmas/Space Plasmas

Thursday, May 25, 2017 from 10:00-11:15, Wildwood 10

Session Chairs:

10:00 TH 1.2-1 THE EFFECT OF NEUTRALS DEPLETION ON PLASMA DIAMAGNETISM

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²*Division of Advanced Mechanical Systems Engineering, Tokyo University of Agriculture and Technology, Tokyo, Japan*

10:15 TH 1.2-2 INVESTIGATION OF THE SIMILARITY LAW IN DISCHARGES AT HIGH PRESSURE USING A KINETIC GLOBAL MODEL

Y. Fu¹, G. Parsey¹, J. Kerk¹, J. Verboncoeur¹, A. Chiristlieb¹, X. Wang²

¹*Department of Computational Mathematics, Science and Engineering, Michigan State University, East Lansing, United States*

²*Department of Electrical Engineering, Tsinghua University, Beijing, China*

10:30 TH 1.2-3 ION ACOUSTIC GARDNER SOLITONS IN SUPERHERMAL PLASMA WITH ELECTRON BEAM

N. S. Saini, N. Kaur

Physics, Guru Nanak Dev University, Amritsar, Punjab, India

10:45 TH 1.2-4 KINETIC MODEL TO INTERPRET WHISTLER WAVES IN MULTICOMPONENT NON-MAXWELLIAN SPACE PLASMAS

W. Nasir¹, M. N. Sarwar²

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11:00 TH 1.2-5 ION EMISSION ENERGETICS FROM A POSITIVELY BIASED HOLLOW CATHODE CONTACTOR

G. Miars¹, O. Leon¹, B. Gilchrist¹, G. L. Delzanno², F. L. Castello², J. E. Borovsky³

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