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*Scientific Program*

International Conference on

# Atomic, Nuclear and Plasma Physics

November 19-20, 2018 Sydney, Australia



**Hosting Organization: Conference Series LLC LTD**

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Day 1 November 19, 2018

09:00-09:30 Registrations

Hermitage 2

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09:30-10:00

Opening Ceremony

### Keynote Forum

10:00-10:45 **Title: Astronomical observational evidences of magnetic monopoles and its implication of astrophysics**  
**Qiu-he Peng**, Nanjing University, China

10:45-11:30 **Title: A quantum framework for the periodic table**  
**John Owen Roberts**, Open University, UK

Networking Break 11:30-11:50 @ Ballroom Prefunction Area

Sessions: Plasma Physics | Thermal or Hot Plasma | Non-thermal or Cold Plasma | Plasma Thruster | Atomic & Molecular Physics | Nuclear Physics | Space Physics | Astrophysics

Session Introduction

Session Chair: John Owen Roberts, Open University, UK

11:50-12:20 **Title: Investigation of solitary waves in multi component warm plasma with weakly relativistic effect in all the species**  
**Manabendra Deka**, Gauhati University, India

12:20-12:50 **Title: Experimental research on discharging mode of helicon plasma thruster**  
**Ding Liang**, Beijing Institute of Spacecraft Environment Engineering, China

Lunch Break 12:50-13:50 @ The Warwick Tavern

### Special Session

13:50-14:50 **Title: Neutrino radiation by neutron superfluid vortex and its effects pulsar spin down and pulsar kicks**  
**Qiu-he Peng**, Nanjing University, China

Networking Break 14:50-15:10 @ Ballroom Pre function Area

### Sessions

15:10-15:40 **Title: Perfect theory on the nature of electrons**  
**Philip Chidibere Ihenacho**, Quickening Group, Nigeria

15:40-16:10 **Title: Einstein metrics and two projection maps**  
**Gudrun Kalmbach H E**, MINT, Germany

### Panel discussion

Day 1 Concludes



## Day 2 November 20, 2018

### Keynote Forum

- 10:00-10:45** **Title: Spacecraft charging in low earth orbit plasma driven by high voltage solar arrays in low earth orbit plasma**  
**Jianguo Huang**, Beijing Institute of Spacecraft Environmental Engineering, China
- 10:45-11:30** **Title: The evidence of magnetic monopoles by astronomical observation and its astrophysical implication**  
**Qiu-he Peng**, Nanjing University, China

Networking Break 11:30-11:50 @ Ballroom Prefunction Area

Sessions: Plasma Physics | Dusty & Grain Plasma | Thermal Plasma | Atomic & Molecular Physics | Nuclear Physics

Session Introduction

Sessions: John Owen Roberts, Open University, UK

- 11:50-12:20** **Title: Why quantum control?**  
**Aline I Maalouf**, The Australian National University, Australia
- 12:20-12:50** **Title: Twisted dust-acoustic waves and kinetic instability in a dusty plasma**  
**Shujaht Bukhari**, The University of Azad Jammu & Kashmir, Pakistan
- 12:50-13:20** **Title: Kinetic study of two temperature twisted ion acoustic waves**  
**Muhammad Rafique**, The University of Azad Jammu & Kashmir, Pakistan

Lunch Break 13:20-14:20 @ The Warwick Tavern

Panel Discussion & Certificate Distribution & Closing Ceremony

### Day 2 Concludes

