



IPELS2015

23–28 August 2015

Atholl Palace Hotel, Pitlochry
Perthshire, Scotland, UK

<http://ipels2015.iopconfs.org>

The 2015 International Workshop on the Interrelationship between Plasma Experiments in the Laboratory and in Space (IPELS2015) will take place on 23–28 August 2015 in the Atholl Palace Hotel in Pitlochry, Perthshire, Scotland, UK.

The aim of this interdisciplinary workshop is to foster intellectual interaction and scientific collaboration between the ionospheric, magnetospheric, solar, heliophysics, and astrophysics communities and the laboratory experimental, theoretical and computational communities to address the fundamental plasma processes governing these extraordinarily complex and dynamic environments.

Dedicated laboratory studies (1) probe and elucidate fundamental plasma physical processes, (2) provide benchmarks for validating theory and modeling, and (3) produce spectroscopic measurements, all in support of interpreting rocket, satellite and telescope data. Contributions to facilitate this interaction in terms of diagnostic techniques needs and emerging instrumentation development as well as theory, modeling and simulations are also welcome.

The IPELS2015 workshop will address the following topics that are investigated in laboratory, space and astrophysical plasmas:

- Particle acceleration
- MHD and self-organisation
- Magnetic reconnection and explosive phenomena
- Magnetic dynamo and angular momentum transport
- Shocks, jets, structures and flow
- Wave and turbulence, wave-particle interaction
- Planetary and astrophysical dusty plasma
- High-energy-density physics

IPELS2015 is a four and a half day meeting with many opportunities for discussions among the participants. There will be oral sessions (review, invited topical, and contributed focus talks) and poster sessions.

Call for abstracts

Contributions for oral and poster presentations are invited. Abstracts of a maximum of 250 words should be submitted online at <http://ipels2015.iopconfs.org> by 1 June 2015.

Key dates

Abstract submission deadline	1 June 2015
Hotel reservation deadline	22 June 2015
Early registration deadline	15 July 2015
Registration deadline	10 August 2015
Paper submission deadline	31 October 2015

Enquiries

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Organising committee

Co-Chair: Bob Bingham, University of Strathclyde, Glasgow, UK

Co-Chair: Kevin Ronald, University of Strathclyde, Glasgow, UK

Declan Diver, University of Glasgow, Glasgow, UK

Moirá Jardinne, University of St Andrews, St Andrews, UK

David Speirs, University of Strathclyde, Glasgow, UK

Programme committee

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Mats André, Uppsala University, Uppsala, Sweden

Dan Baker, University of Colorado, Boulder, CO, USA

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Phillipa Browning, University of Manchester, Manchester, UK

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Adam Frank, University of Rochester, Rochester, NY, USA

Gianluca Gregori, University of Oxford, Oxford, UK

Hantao Ji, Princeton University, Princeton, NJ, USA

Kristina Lynch, Dartmouth College, Hanover, NH, USA

Rikizo Hatakeyama, Tohoku University, Sendai, Japan

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