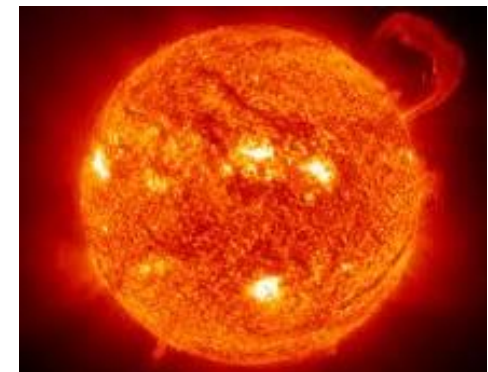
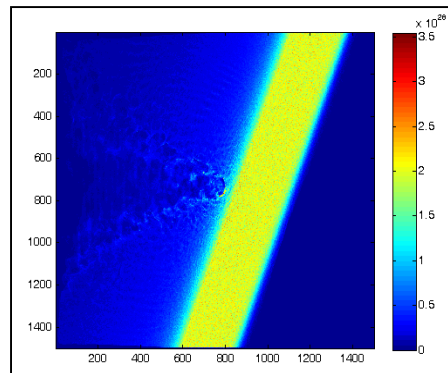
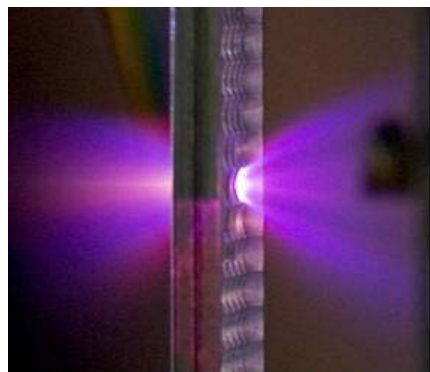




# 68<sup>th</sup> Scottish Universities Summer School in Physics

## Laser-Plasma Interactions and Applications

<http://sussp68.phys.strath.ac.uk>



University of Strathclyde

14th - 27th August 2011

## Programme coverage:

- Theory of laser-plasma interactions
- Plasma wave acceleration / electron acceleration
- Undulator and betatron photon sources
- High harmonic generation
- Ion acceleration
- Applications of laser plasma accelerators
- Inertial Confinement Fusion
- Fast Ignition ICF and variants
- Plasma modelling techniques
- Target fabrication and characterisation
- Material properties at high energy density
- Diagnostic techniques

### In addition:

- Industry focused / Knowledge Transfer sessions
- Public lecture on prospects for inertial-fusion as an energy source
- Guest lectures on the NIF, HiPER, ORION and ELI projects



## Distinguished lecturers and guest speakers:

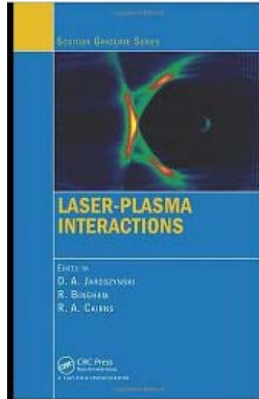
Prof. S. Eliezer	Soreq Nucl. Research Centre, Israel
Prof. B. Kruer	LLNL / U.C. Davis, USA
Prof. M. Rosen	LLNL, USA
Prof. S. Atzeni	University of Rome, Italy
Prof. L. Silva	Instituto Superior Técnico, Portugal
Prof. G. Shvets	University of Texas at Austin, USA
Prof. M. Zepf	Queen's University of Belfast, UK
Prof. M. Roth	Technical University of Darmstadt, Germany
Dr. J. Pasley	University of York, UK
Prof. V. Malka	LOA, École Polytechnique, France
Dr. A.P.L. Robinson	STFC -Central Laser Facility
Prof. S. Rose	Imperial College London, UK
Prof. A.A. Andreev	Inst. for Laser Physics of Vavilov, Russia
Prof. J. Collier	STFC -Central Laser Facility, UK
Dr. T. Goldsack	AWE Aldermaston, Reading, UK
Mr. M. Tolley	STFC -Central Laser Facility, UK





## Dissemination:

Lecture notes will be published  
as a textbook



## Sponsorship:

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## Organising committee:

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Treasurer: Prof. David Neely

Scientific Secretary: Prof. Bob Bingham

Bursaries: Prof. Dino Jaroszynski

Programme Advisors: Prof. Alex  
Andreev & Prof. Bill Krueer



Applications open 1<sup>st</sup> December

Deadline for bursary applications: 28 February 2011

<http://sussp68.phys.strath.ac.uk>

Registration fee: £900 – includes accommodation, meals, teaching materials and social programme

Bursaries available for qualifying students and postdocs