

Launch of the Imperial Space Lab



Professor Steve Schwartz

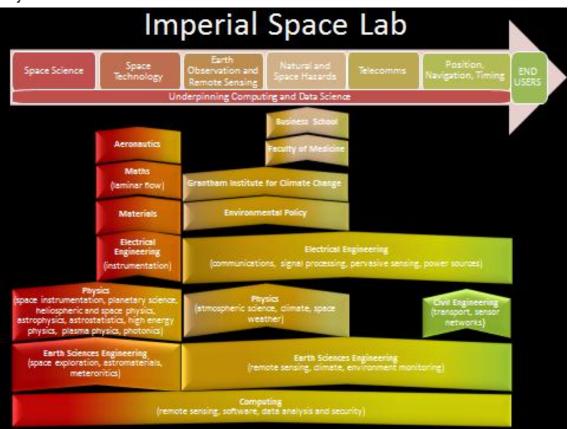
Chair in Space Physics and Director, Imperial Space Lab

1 July 2013

Imperial College London

Imperial Space Lab <u>www3.imperial.ac.uk/spacelab</u> Director: Professor Steve Schwartz

- Multidisciplinary research network that facilitates collaboration across Imperial and with external academic and industry partners
- Aims to promote innovative partnerships with the space industry and communicate our research
- ~80 researchers from Faculties of Engineering, Natural Sciences, Medicine and Business School across seven major themes:



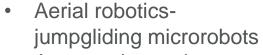
Space research at Imperial

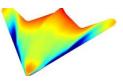
Research covers upstream (space technology providers) and downstream (space technology users) sectors;

Ranges from blue-skies research in planetary sciences to applications such as navigation and positioning solutions

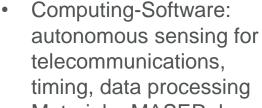
Technology







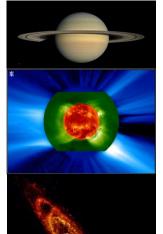
Aeronautics and mathematics: laminar flow control





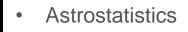
- Materials- MASER, low noise amplifiers for space & terrestrial comms
- Space weather monitoring constellation





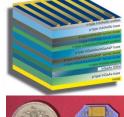
- Planetary Science
- Heliospheric & Space Physics







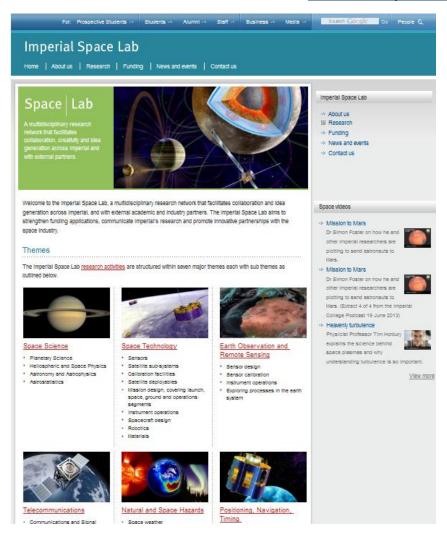
See the posters for more information!





Imperial Space Lab <u>www3.imperial.ac.uk/spacelab</u> Director: Professor Steve Schwartz

For more information on our research visit www3.imperial.ac.uk/spacelab



Why work with Imperial's space researchers?

- Gain exposure to world-leading research
- Utilise educational and training excellence
- Connect to expertise in translation and knowledge transfer
- Collaborate with world-renowned academics
- Access a global pool of talented students
- Join a network of partners and public funding bodies
- Grasp the opportunity to influence on a global scale



How we can work together:

Through people and training:

- Access to student pool through industry sponsored studentships and internships
- Industry sponsored fellowships, including through Imperial's Junior Research Fellowship programme
- Short or long term secondments
- Courses: Continuing Professional Development, Master's courses and tailored programmes
- Consultancy services-Imperial Consultants
- Access to facilities and associated expertise

Through project funding:

- Direct funding for single projects
- Large, strategic partnerships
- Spinouts and venture capitalist funding
- Commercialisation and technology transfer activities
- Leveraged and matched funding for research

Imperial Colle London



Launch of the Imperial Space Lab

1 July 2013 9:30-6pm

Lecture theatre G34, Sir Alexander Fleming Building, Imperial College London, South Kensington campus (building 33 on map)

The aim of the event is to launch the Imperial Space Lab, a new multidisciplinary research network that facilitates collaboration and idea generation across Imperial, and with external academic and industry partners. The Imperial Space Lab aims to communicate Imperial's research, strengthen funding applications and promote innovative partnerships with the space industry.

Programme:

9:30 Registration with refreshments

10:00 Welcome and Introduction to Imperial; Professor Sir Keith O'Nions, President and Rector, Imperial College London

Session 1: Space Science

10:15 UK Space Agency; Dr David Parker, Chief Executive

10:40 Space Missions to the Outer Planets; Professor Michele Dougherty, Imperial

11:05 Imperial's involvement in NASA's next Mars mission, InSight; Dr Tom Pike, Imperial

11:30 Earth Observation Activities at Imperial; Dr Helen Brindley; Imperial

11:55 European Space Agency; Magali Vaissiere, Director of Telecommunications and Integrated Applications

12:20 LUNCH and poster session

Session 2: Space Technology

13:20 Space Physics: Instrumentation and Industrial Partnerships; Chris Carr, Imperial

13:45 Satellite Applications Catapult; Paul Febvre, CTO

14:10 Geochemistry and Meteoritics, Professor Mark Sephton; Imperial

14:35 SSTL; Phil Davies, European Business Development Manager

15:00 EADS Astrium; Chris Ward, Head of UK R&D

15:25 BREAK and poster session

Session 3: Space Services and Funding Opportunities

16:00 STFC External Innovations Programme Funding Schemes; Dr Vlad Skarda

16:25 Telespazio VEGA UK; John Bone, Business Development Director

16:50 Inmarsat; Ruy Pinto, CTO

17:15 Close; Professor Maggie Dallman, Dean, Faculty of Natural Sciences, Imperial

17:30 Reception

To register and for more information please visit http://imperialspaceresearch.eventbrite.com/ or view the Imperial College London events page

All talks are 20 minutes long + 5 minutes questions

Thank you

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