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Morgan Alexander, Stephen Jenkins, Simon Morton, Alex Shard, Graham Smith, John Watts, Bob Wild, John Wolstenholme

UKSAF Summer Meeting 2010

Applications of Surface Analysis in Space and Earth Sciences

10.00 a.m. – 4.30 p.m. Wednesday 7 July 2010

Host: Heriot-Watt University

Venue: The Postgraduate Centre, Edinburgh Campus, EH14 4AS

The meeting will comprise a series of invited contributions that demonstrate the use of surface analysis to investigate the composition of both terrestrial and extra-terrestrial materials. Equally important is the characterisation of advanced materials that are designed to withstand the hostile environments encountered in space exploration.

In addition, the final of the **UKSAF Young Surface Analyst of the Year** Competition for 2010 will be held during this Meeting. Two prizes will be awarded as follows:-

The Seah Award - £250 Best Overall Presentation

The Castle Award - £150 Best Poster Presentation

(The winner of the Seah Award will not be eligible to win the Castle Award.)

All aspects of the Competition, including the review of abstracts, presentations and posters, will be assessed by a panel of judges chaired by Dr John Wolstenholme. All finalists invited to give presentations at the UKSAF Meeting will receive reimbursement of their travelling and accommodation expenses for the Meeting up to a maximum of £100. In addition their meeting fee will be waived. Competition rules and information on how to submit an abstract for the competition have been circulated separately, or please see <http://www.uksaf.org>. **The submission deadline for abstracts has now closed.**

Our host for this meeting is Heriot-Watt University. Founded in 1821, it was acclaimed as the first true "people's college", being the first Mechanics Institute to give ordinary people access to education in science and technology. The university is named to commemorate two Scottish champions of innovation, enterprise and education; George Heriot (1563-1623), financier and benefactor of education in his native Edinburgh and Greenock-born James Watt (1736-1819), the pioneer of steam power. These founding principles still apply today, with the university providing vital support to business and industry through both teaching and collaborative research.

UKSAF Meeting Fee:- £70 / £40 for student/retired/unemployed members (until 26 June 2010). Bookings can be made either by post or via the UKSAF website (see below).

Location:- Set in 380 acres of parkland, the Edinburgh campus of Heriot-Watt University is situated in Riccarton about 7 miles south-west of the city centre.

UKSAF Summer Meeting 2010

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Venue: The Postgraduate Centre, Edinburgh Campus, EH14 4AS

- 09.30 - 10.00 Registration
- 10.00 - 10.10 Welcome & introduction
Dr Dave Sykes, UKSAF Chairman
Prof. Martin McCoustra, Chair in Chemical Physics, Heriot-Watt University
- 10.10 – 10.35 Dr Wendy Brown
Department of Chemistry, University College London
Investigating Thermal Desorption From Interstellar Dust Grain Analogues
- 10.35 – 11.00 Dr Mark Collings
School of Engineering & Physical Sciences, Heriot-Watt University
Non-Thermal Desorption From Astrophysical Ices
- 11.00 – 11.35 Professor Monica Grady
Planetary & Space Sciences Research Institute, The Open University
Microscopy & Analysis of Meteorites
- 11.35 – 12.20 Final of the UKSAF Young Surface Analyst (YSA) Awards: Oral Presentations
- | | |
|-------------------|------------------------------|
| Andrew Bowfield | University of Liverpool |
| James MacFarlane | University of Bristol |
| Ali Rafati | University of Nottingham |
| Tara Salter | National Physical Laboratory |
| Jingyu Sun | University of Oxford |
| Gruffudd Williams | Aberystwyth University |

(continued)

- 12.20 – 12.35 UKSAF AGM
1. Chairman's Report
 2. Honorary Treasurer's Report & Acceptance of the Accounts for the year ending 31 March 2010
 3. Honorary Secretary's Report
 4. Election of officers and members of the Executive Committee
 5. Any other business
- 12.35 - 14.00 Lunch & YSA Posters Viewing (including judging)
- 14.00 – 14.35 Dr Steve Trigwell
ASRC Aerospace Corporation, NASA Kennedy Space Center, USA.
In-Situ Resource Utilization for the Moon, Mars, and Beyond
- 14.35 – 15.00 Dr Paul Brooks
Director of Earth Observation and Science, Surrey Satellite Technology Ltd.
Materials in Space: Challenges for Surface Analysis
- 15.00 – 15.15 Dr Ian Gilmore
National Physical Laboratory, Teddington, UK
The Future Role of Nanomaterials in the Space Industry: Producing a Roadmap for the European Space Agency
- 15.15 – 15.40 Dr Richard Hinton
School of Geosciences, The University of Edinburgh
Geochemical Analysis by SIMS
- 15.40 – 16.00 Results of the 2010 UKSAF Young Surface Analyst Awards
- 16.00 – 16.30 Tea and Close of Meeting

Registration:

Delegates may return the attached Registration Form by post in the usual way. Alternatively, on-line registration and credit card payment of the UKSAF Meeting fee is possible via the UKSAF website <http://www.uksaf.org/home.html>

If you choose to register via the UKSAF website, please do not return the attached form.

There is a registration deadline of 26 June 2010 for receipt of the reduced rate UKSAF meeting fee (£70 / £40 student).

Accommodation:

On Campus

Modern en-suite (WC & shower) accommodation is available in the halls of residence on campus. A full Scottish Breakfast is served in the main dining room. For further information about rooms, facilities and the check-in procedure, please see <http://www.hw.ac.uk/catering/visitoracc.htm> & <http://www.edinburgh-conference.com/stay>

Exact prices have still to be confirmed for the summer, but the B&B price will be approx. £40 for a single room. A very few double rooms (£60) may also be available. No rooms have been specifically reserved for UKSAF members and so early booking is recommended.

All bookings for campus accommodation should be made direct with the university either by telephone on 0131 451 3669 or 0131 451 3501 or via the conference centre website (address above).

Off Campus

A wide range of city centre hotels is available, typical prices ranging from £50 to £200 per night. The local tourist information centres offer an accommodation booking service, as well as information about the many events and attractions in Edinburgh and the surrounding regions.

<http://www.edinburgh.org/>

Tel. 0131 625 8625

<http://www.visitscotland.com>

Tel. 0845 2255 121

Social Events:

No specific events are planned for the Tuesday, but The Bridge Inn by the Union Canal at Ratho is suggested as a pleasant place for a drink or meal in the evening. See <http://www.bridgeinn.com> for directions and sample menus.

The Bridge Inn is just 4 miles from the university, but there is no direct public transport. It is therefore suggested that we meet on campus at the accommodation check-in desk at 7.00 p.m., and either arrange car sharing or book taxis depending on numbers.

For those staying off-campus, Lothian Buses Service 48 to Ratho runs from the city centre via the park & ride at Edinburgh airport. For timetables and fares, see <http://www.lothianbuses.com>

Travel to Edinburgh:

- By Air: Edinburgh airport is just 3 miles from the University. Routes for many low cost airlines can be viewed at www.skyscanner.net
- By Rail: The main railway station in Edinburgh is Waverley. Haymarket also has public transport links to the university campus (see below). Train times and fares can be found at www.thetrainline.com.
- By Road: The university campus (EH14 4AS) is less than 2 miles from M8 Junction 1. The entrance is on Riccarton Mains Road, which runs between the A70 and A71 just outside the A720 City of Edinburgh By-Pass. For further details see <http://www.hw.ac.uk/documents/PDF/edinburgh-road-map.pdf>

Travel to Heriot-Watt University:

Maps and further details of local travel can be found at:-
http://www.edinburgh-conference.com/location/travel_information

Lothian Buses <http://www.lothianbuses.com> operates buses from the city centre and railway stations to the Riccarton campus. The most frequent is Service 25 (every 15 minutes during the day, 30 minutes evenings) with a journey time of 30-45 minutes. For timetables and fares on all routes to the university, see <http://lothianbuses.com/hwu-riccarton.php>

Stage Coach operates a very limited Service 747 from the airport to the campus. This runs only at peak times and takes 30 minutes. For timetables and fares see <http://www.stagecoachbus.com>

A taxi from the city centre to the university will take about 20 minutes (£20). A taxi from the airport to the university will take about 10 minutes (£12).

On Campus Directions:

The UKSAF Meeting will be held in the Postgraduate Centre on Gait 2 [Building 8 on the campus map] n.b. this is not part of the larger Conference Centre on the campus.
<http://www.hw.ac.uk/documents/PDF/edinburgh-campus-map.pdf>

Free on-site parking is available in Visitor Car Park A. This is situated on the right, just inside the main entrance to the campus. Please do not use the reserved staff car parks near the academic buildings.

INVOICE / Registration Form

VAT receipts cannot be provided as there is NO VAT content in the costs of the Meeting.

Before 26 June 2010: delegate rate £70 student/unemployed/retired rate £40

Payment should be in GBP Sterling in advance. There is a deadline of 26 June 2010 for receipt of the reduced rate meeting fee of £70.

From 27 June 2010 to 2 July 2010 the fee will be increased to £80, and the fee for delegates paying on 3 July or later will be £90. The Meeting fee for all students is £40. Delegates who are not existing members of UKSAF will be charged an additional one-off joining fee of £10, which should be added to the meeting fees specified above.

The Meeting fee is non-refundable in the event of cancellation by the delegate on or after 27 June 2010.

Please complete the details below and send to:-

Dr Keith R Hallam (UKSAF Treasurer)
Interface Analysis Centre, University of Bristol,
Oldbury House, 121 St Michael's Hill,
Bristol, BS2 8BS, England

e-mail: k.r.hallam@bristol.ac.uk
Tel: + 44 (0)117 331 1173
Fax: + 44 (0)117 925 5646

Name of Delegate(s)

_____ Amount £
_____ Amount £
_____ Amount £

Please note the above rules on Meeting fees.

_____ TOTAL £

Address

Contact E-mail

Tel.

Fax.

Please indicate any special dietary requirements for lunch on Wednesday:-

A cheque payable to "UK Surface Analysis Forum" is enclosed/in the post (*please delete as appropriate*)

Signed: _____

Date: _____