

# **First Circular**

## **8<sup>th</sup> International Workshop on Long-Term Changes and Trends in the Atmosphere (TREND-2014)**

**28 - 31 July 2014**

**Cambridge, United Kingdom**

**(<http://www.antarctica.ac.uk/trends2014/>)**

The 8<sup>th</sup> International Workshop on “Long-Term Changes and Trends in the Atmosphere” will be held in Cambridge, United Kingdom, from 28 to 31 July 2014. The workshop themes are supported by the trends working group II.F of IAGA, ICMA and SCOSTEP. The workshop is hosted by the British Antarctic Survey, and the venue will be Clare College in central Cambridge.

### **Workshop website**

<http://www.antarctica.ac.uk/trends2014/>

### **Workshop focus**

Long-term changes to Earth’s atmosphere are becoming more and more relevant to the future of our world and it is paramount that we quantify and understand changes occurring at all levels within the coupled atmospheric system. The increasing concentration of greenhouse gases, stratospheric ozone depletion, varying solar and geomagnetic activity, secular change of Earth’s magnetic field, and changing dynamics propagating up from the troposphere are some of the possible causes of long-term changes in the stratosphere, mesosphere, thermosphere and ionosphere. The goals of this workshop are to review the current state of knowledge about trends in these atmospheric regions, and to discuss what research is necessary for resolving inconsistencies, reducing uncertainties, and achieving a deeper understanding of middle and upper atmospheric climate change – especially the relative influences of anthropogenic and solar effects. While the troposphere is not the main focus of the workshop, it is clear that it has a major role to play in middle and upper atmosphere trends; papers that demonstrate this relevance are also welcome.

### **Call for abstracts**

A formal call for abstracts will follow later. Abstract submission will open in early 2014.

### **Venue**

The workshop will be hosted at Clare College, in the centre of Cambridge, United Kingdom. Founded in 1326, it is the second oldest college in the University of Cambridge, but prides itself on being also one of

the more progressive and informal. It is set by the river Cam, from where it is easy to explore the rest of the historic centre of Cambridge.

A block of rooms at Clare College Memorial Court has been reserved. Single rooms with en-suite bathrooms will be available for £80 per night and single rooms with shared bathroom facilities will be available for £53 per night. Both options include breakfast, internet, and VAT. If you require a double room, please contact the local organizing committee as soon as possible (e-mail: [trends2014@bas.ac.uk](mailto:trends2014@bas.ac.uk)). You will be able to book accommodation at the time of registration for the meeting through our website. For pictures see: <http://www.clareconferencing.com/accommodation/>

Directions to Cambridge and Clare College can be found here:  
<http://www.clare.cam.ac.uk/Maps-and-Directions/>

## **Social events**

Monday evening	Drinks reception in the Scholars Garden at Clare College
Tuesday evening	Cambridge city tour with a science theme
Wednesday evening	Gala dinner in the Great Hall at Clare College

## **Registration information**

Standard registration will be available from £170 per person. Further details on reduced rates for early-career scientists and scientists from developing countries will be announced later. The registration fee will include lunches on Monday-Thursday, the gala dinner, city walking tour, and drinks reception. Registration for accompanying persons, which includes access to the gala dinner, drinks reception and walking tour, will be available from £75 per person.

## **Financial support**

We will offer a reduced registration rate for early-career scientists and scientists from developing countries. In addition, we will offer a limited number of additional support packages on an application basis. Further details on eligibility and how to apply will be announced in early 2014.

## **Local Organizing Committee**

Tracy Moffat-Griffin (Chair)  
Mark Clilverd  
Andrew Kavanagh  
Ingrid Cnossen  
Martin Jarvis  
Penny Goodearl

e-mail: [trends2014@bas.ac.uk](mailto:trends2014@bas.ac.uk)

## **Scientific Program Committee**

Gufran Beig

Jan Lastovika

John Emmert

Christoph Jacobi

Liyang Qian

Ingrid Cnossen

Dan Marsh.

## **Previous workshops**

1999, Pune, India

2001, Prague, Czech Republic

2004, Sozopol, Bulgaria

2006, Sodankyla, Finland

2008, Saint Petersburg, Russia

2010, Boulder, Colorado, USA

2012, Buenos Aires, Argentina