

## Organising committee

### Conference Co-Chairs:

Ross Hill (Bournemouth University)  
Juan Suárez (Forest Research)

### Conference Coordinators:

Mark Lawrence (Forest Research)  
Genevieve Patenaude (University of Edinburgh)  
Jackie Rosette (Swansea University)

### Conference Secretaries:

Evelyn Hall and Linda Legge (Forest Research)

### Conference Web Coordinator

Shona Cameron (Forest Research)

## Scientific committee

Hans-Erik Andersen	USDA Forest Service, USA
J. Bryan Blair	NASA, USA
Nicholas Coops	University of British Columbia, Canada
Terje Gobakken	Norwegian University of Life Sciences
Ross Hill	Bournemouth University, UK
Yasumasa Hirata	FFPRI, Japan
Johan Holmgren	Swedish University of Agricultural Sciences
Chris Hopkinson	Nova Scotia C.C., Canada
Juha Hyypä	Finnish Geodetic Institute, Finland
Barbara Koch	University of Freiburg, Germany
Mike Lefsky	Colorado State University, USA
Matti Maltamo	University of Joensuu, Finland
Erik Næsset	Norwegian University of Life Sciences
Ross Nelson	NASA, USA
Wesley Newton	United States Geological Survey, USA
Håkan Olsson	Swedish University of Agricultural Sciences
Norbert Pfeifer	Vienna University of Technology, Austria
Sorin Popescu	Texas A&M, USA
Petri Rönnholm	Helsinki University of Technology, Finland
Svein Solberg	Norwegian Forest & Landscape Institute, Norway
Juan Suárez	Forest Research, UK
Tatsuo Sweda	Ehime University, Japan
Paul Treitz	Queen's University, Canada
Pete Watt	Pöyry Forest Industry, New Zealand
Mike Wulder	Canadian Forest Service, Canada
Randy Wynne	Virginia Tech, USA
Felix Morsdorf	University of Edinburgh

## Venue and accommodation:

The conference will take place in the James Watt Centre 1 at the Edinburgh Conference Centre (part of Heriot-Watt University).

<http://www.edinburgh-conference.com/conferences>

Accommodation will be available at Heriot-Watt University as part of their conference facilities. This can be booked via:

<http://www.edinburgh-conference.com/stay>

## Key dates in 2008:

- 30 June 2008: Results of double blind reviews sent to authors.
- 15 July 2008: Deadline for early registration of non-students.
- 31 July 2008: Submission of finalised papers.
- 31 July 2008: closing date for applications for [ESRI student sponsorships](#).
- 15 August 2008: Deadline for early registration of students.
- 17-19 September 2008: SilviLaser Conference
- 20 September 2008: Opportunity for post conference tours.

15 October 2008: Submission of extended papers invited for the special issue of International Journal of Remote Sensing.

## Further information:

For further information please contact:

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## SilviLaser 2008

8th international conference on  
LiDAR applications in forest  
assessment and inventory



September 17-19, 2008  
Heriot-Watt University,  
Edinburgh, UK

<http://www.forestresearch.gov.uk/Silvilaser2008>

Organised by:

**BU** Bournemouth  
University

 Forest Research



Swansea University  
Prifysgol Abertawe



## Background:

In recent years there has been rapid development and use of laser systems in inventorying, assessing, and monitoring of forests. Applications of laser technology have included the estimation of forest biophysical parameters (including carbon) at the individual tree or stand level as part of local, regional and even national forest inventory. In addition, laser data have been used to monitor forest change, model susceptibility to wind or fire damage, and map wildlife habitat. Laser systems can operate on ground-based, airborne and satellite platforms. They are categorised as scanning or profiling systems supplying range or waveform information per laser pulse. This distinction is, however, becoming increasingly blurred as laser systems evolve.

SilviLaser 2008 will be the 8<sup>th</sup> international conference in a series focussing on applications of laser systems for forest assessment and inventory. Previous conferences have taken place in Canada, Australia, Sweden, Germany, USA, Japan and Finland.

## Aims of Silvilaser 2008:

SilviLaser 2008 aims to bring together research scientists and practitioners from around the world to share their experience in the development and application of LiDAR for forest assessment and inventory. We strongly encourage presentations across all forms of laser system, from all possible platforms, and across a full range of forest applications. The conference will discuss the state-of-the-art in laser systems and data processing techniques in order to meet a range of information needs. The conference aims to encourage new and stronger linkages between LiDAR practitioners, and in particular between researchers, data providers and end-users of derived products.

## Call for papers:

Papers are invited for submission to SilviLaser 2008, to be given either as oral or poster presentations. All papers and presentations must be in English.

Papers must be a maximum of 4,000 words and must follow a standard format (which includes a 200 word abstract).

All submitted papers will be double blind-reviewed by members of the scientific committee.

Full instructions are available at:  
<http://www.forestresearch.gov.uk/Silvilaser2008>

**The deadline for submission of papers is May 15, 2008.**

## Topics for presentation:

The conference will encourage papers on terrestrial, airborne and space-borne LiDAR data (discrete return and waveform) for the following forest related topics:

- Forestry applications & inventory
- Forest monitoring & change detection
- Ecological applications & habitat mapping
- LiDAR data fusion (ground-based, airborne, satellite)
- Data fusion (in-situ, aerial photos, hyper-spectral)
- Algorithm & techniques development
- System & intensity calibration
- Large-scale & operation applications of LiDAR
- New technologies

There will be a special session on ecological applications for forest habitat assessment, sponsored by the British Ecological Society.

Keynote speakers are Prof. Ralph Dubayah (University of Maryland), Prof. Richard Lucas (University of Wales Aberystwyth), Dr Wesley Newton (USGS Northern Prairie Wildlife Research Center).

## Registration:

Early bird registration:

Standard £210 (before July 15, 2008)  
Student £145 (before August 15, 2008)

Late registration:

Standard £245 (from July 15, 2008)  
Student £190 (from August 15, 2008)

Registration fee includes:

- admission to all sessions
- all printed materials
- conference proceedings on CD
- refreshments
- icebreaker reception
- conference dinner

Please contact us if you wish a partner or spouse to attend the icebreaker reception & conference dinner.

## Proceedings & publication:

A book of abstracts and a CD with the conference proceedings will be produced before SilviLaser 2008 and distributed as part of the conference materials. The conference presentations will be based on full paper refereed submission.

A selection of papers from the proceedings will be invited for submission to a special issue of the International Journal of Remote Sensing.

## Supporting organisations:

