XXIX OSTIV-Congress 2008 Lüsse-Berlin, Germany
6 August – 13 August 2008
www.ostiv.fai.org

Call for Papers

The XXIX Congress of the „International Scientific and Technical Organisation for Soaring Flight" – Organisation Scientific et Technique Internationale du Vol à Voile (OSTIV) - will be held at the site of the 30th World Gliding Championships in the Open-, 18m- and 15m Class, Lüsse, Germany, on

6 August- 13 August 2008

The Congress addresses all scientific and technical aspects of soaring flight including motorgliding, hanggliding , paragliding and ultralight sailplane.

Opportunity of presentation and discussion of papers is given in the following categories:

Meteorological Sessions:
Meteorology, Climatology, Atmospheric Physics.

Technical Sessions:
Aerodynamics, Structures, Materials, Design, Maintenance.

Training and Safety Sessions:
Training and Safety, Coaching, Health, Physiology, etc.

Joint Sessions:
Scientific and technical topics, review or news, presented in an informative and entertaining way for the broader interest of the World Gliding Championships and OSTIV.

Topics on instrumentation, electronics, safety, statistics and other system technologies will be included in the sessions for which the application of the technology is most relevant.

Typical and Suggested Topics are:

Meteorological Sessions:
The sessions will cover all aspects of meteorology, climatology and atmospheric physics. Topics may include, but are not limited to:
- Mesoscale and small convective, baroclinic or orographically induced phenomena;
- New observations; measurements or analysis of convergence lines, cellular patterns, shear structures, standing and moving waves, short period cycles, turbulence, boundary layer in complex terrain;
- Analytical techniques of delineating thermal and mesoscale structures from routine or experimental ground or flight data, or from remote sensors;
- Modelling of thermals, mesoscale or microscale structures;
- Meteorological data acquisition and service for gliding operations;
- Forecasting for soaring;
- Soaring climatology.

Technical Sessions:
The technical sessions will cover all aspects of design, development, and operation of sailplanes, motorgliders, ultralights and solar- or man- powered aircraft. Topics may include, but are not limited to:
- Airworthiness, structural concepts, new materials, fatigue, crashworthiness, manufacturing processes;
- Aerodynamics;
- Stability and control;
- Airframe vibration and flutter;
- Propulsion systems;
- Design integration and optimisation;
- New developments in flight testing;
- Airworthiness requirements;
- Cockpit instruments, including navigation instruments (GPS etc.).

Training and Safety Sessions:
Training and Safety sessions will be held on subjects covering disciplines such as:
- Flight training, theory and analysis of techniques and results, psychology, objectives, training facilities and material;
- Safety, health, human physiology and psychology in connection with soaring;
- Human and medical factors in aircraft design and operation;
- Piloting techniques;
- Flight operation in controlled airspace;
- Safety devices.

Joint Sessions:
Joint Sessions are collecting topics of general interest in the field of gliding as:
- General philosophy of competition classes;
- Documentation of badge and record flights;
- Common interests with other air sports like hanggliding, paragliding, microlights and ultralights;
- Man-powered flight; Solar-powered flight.

Deadline for Abstracts and Final Paper*:*
The deadline for the Abstracts –max. two A4 pages including figures- is May 15, 2008.
Letters of acceptance together with instructions for paper preparation will be mailed by May 30, 2008.
Deadline for the paper – max. about 10 pages including figures - is July 15, 2008.

Please use the form below to send a copy of your Abstract to the OSTIV Secretariat, clearly marked by either meteorological-, technical-, training and safety- or joint session.

Oral presentations at the Congress will be limited to 30 minutes and should consist of highlights of the written paper.
The paper will be published in OSTIV's refereed International Journal of Technical Soaring (ISSN 0744-8996) after the Congress.

There is **no registration fee** for the Congress!

If you would like further information about OSTIV or the Congress, or if you wish to attend the Congress, please complete the form below and send it to the OSTIV Secretariat.

Call for nominations OSTIV Plaque / Klemperer Award:
At OSTIV Congresses an OSTIV Plaque and Klemperer Award is presented to the person who has made a most noteworthy scientific or technical contribution to soaring flight.
The prize for the year 2008 will be presented during the Opening Ceremony of the XXIXth OSTIV Congress.
All Active and Individual OSTIV Members can send in nominations. In making such nominations, particular attention should be given to recent contributions to soaring flight by the nominee, although earlier outstanding work will also be taken into account. Nominations should include details of the nominee's contributions and a short biography.
All nominations for the OSTIV Plaque / Klemperer Award must be received by L.L.M. Boermans, the President of OSTIV, c/o TU Delft, Fac. Aerospace Engineering, Kluyverweg 1, NL-2629 HS Delft, The Netherlands by May 15, 2008.

Form

Note of interest / Abstract	**XXIX OSTIV Congress, 6 – 13 August 2008**

Send this form before May 15, 2008 to :
OSTIV- Secretariat c/o TU Delft, Fac. Aerospace Engineering, Kluyverweg 1, NL-2629 HS Delft, The Netherlands
Fax: (+31) 15 2783533, email: l.m.m.boermans@lr.tudelft.nl

❑   Please, send general information about OSTIV.
❑   Please, put my name on the mailing list for further information about the XXIX OSTIV Congress.
❑   I wish to attend the XXIX OSTIV Congress.
❑   I wish to present a paper at the Meteorological Session of the XXIX OSTIV Congress.
❑   Technical Session
❑   Training and Safety Session
❑   Joint Session

My name is: …………………………………………………………………………………………

My affiliation is: ……………………………………………………………………………………….

My address is: …………………………………………………………………….

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Phone: ……………………………………………………………………..
Fax: ……………………………………………………………………..
E-mail: ……………………………………………………………………..

The Provisional title of my paper is: ………………………………………………………………………………….

The Abstract of my paper is described in the overleaf.