



XXVI. OSTIV-Congress 1999 at Bayreuth, Germany
August 6-13, 1999

Call for Papers

The XXVI. Congress of the "International Scientific and Technical Organization for Soaring Flight" – (Organisation Scientifique et Technique Internationale du Vol à Voile) – OSTIV – will be held at the site of the World Gliding Championships at Bayreuth, Germany, from

August 6-13, 1999

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

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:

Meteorology

- 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 mans- powered aircraft. Topics may include, but are not limited to:

- Structural concepts, new materials, fatigue, crashworthiness;
- Manufacturing processes;
- Aerodynamics;
- Stability and control;
- Airframe vibration and flutter;
- Propulsion systems;
- Design integration and optimization;
- 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;
- Competitions;
- Common interests with other air sports;
- Meteorological links across diverse air sports like hanggliding and paragliding, microlights etc.;

- Man-powered flight; Solar-powered flight.

Deadline for Abstracts and Final Paper:

The deadline for the Abstracts –max. two A4 pages- is January 31, 1999.

Letters of acceptance together with instructions for paper preparation will be mailed by February 28, 1999.

Deadline for the Paper is May 31, 1999. The paper should not exceed the equivalent length of 24 double-spaced typewritten standard size pages, including figures.

Oral presentations at the Congress will be limited to 35 minutes and should consist of highlights of the written paper.

The paper will be published in OSTIV's refereed Journal of Technical Soaring (ISSN 0744-8996), starting immediately after the Congress.

Please use the attached form to send 2 copies of your Abstract to the OSTIV Secretariat, clearly marked by either meteorological, technical, training and safety or joint session.

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 attached form and send it to the OSTIV Secretariat before January 31, 1999.

Call for nominations OSTIV Plaque/The Klemperer Award:

At OSTIV Congresses an OSTIV Plaque (which carries a monetary award) is presented to the person who has made a noteworthy scientific or technical contribution to soaring flight.

The prize for the year 1999 will be presented during the Opening Ceremony of the XXVIth OSTIV Congress.

Nominations can be sent in by all OSTIV Members, Active as well as Individual. 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 also a short biography. The nominee's full name and address must also be given. All nominations for the OSTIV Plaque/The 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 January 31, 1999.

Table of all OSTIV-Congresses since the Foundation of OSTIV at Paris on 27 July 1948:

I.	OSTIV-Congress, Samedan/ Switzerland,	27. July 1948
II.	OSTIV-Congress, Paris/ France,	03.- 07. May 1949
III.	OSTIV-Congress, Orebro/ Sweden,	03.-08. July 1950
IV.	OSTIV-Congress, Madrid/ Spain,	03.-13. July 1952
V.	OSTIV-Congress, Buxton/ England,	22. July – 4. August 1954
VI.	OSTIV-Congress, St. Yan/ France,	06.-13. July 1956
VII.	OSTIV-Congress, Osieczna/ Poland,	19. - 29 June 1958
VIII.	OSTIV-Congress, Cologne/ Germany,	04. – 18. June 1960
IX.	OSTIV-Congress, Junin/ Argentina,	11. – 21. February 1963
X.	OSTIV-Congress, South Cerney/ England,	04. – 12. June 1965
XI.	OSTIV-Congress, Leszno/ Poland,	12. – 23. June 1968
XII.	OSTIV-Congress, Alpine/ Texas/ USA,	27. June – 4 July 1970
XIII.	OSTIV-Congress, Vrsac/ Yugoslavia,	13. – 22. July 1972
XIV.	OSTIV-Congress, Waikerie/ Australia,	21. - 27. January 1974
XV.	OSTIV-Congress, Räyskälä/ Finland,	18. –17. June 1976
XVI.	OSTIV-Congress, Chateauroux/ France,	18. – 30. July 1978
XVII.	OSTIV-Congress, Paderborn/ Germany,	27. May - 06. June 1981
XVIII.	OSTIV-Congress, Hobbs, New Mexico/ USA	29 June – 09. July 1983
XIX.	OSTIV-Congress, Rieti/ Italy,	02. – 10. August 1985
XX.	OSTIV-Congress, Benalla/ Australia,	21. – 30. January 1987
XXI.	OSTIV-Congress, Wiener Neustadt/ Austria,	18. –26. May 1989
XXII.	OSTIV-Congress, Uvalda, Texas/ USA,	01. –09. August 1991
XXIII.	OSTIV-Congress, Borlänge/ Sweden,	17. – 24. June 1993
XXIV.	OSTIV-Congress, Omarama/ New Zealand,	12. - 19. January
XXV.	OSTIV-Congress, St. Auban, France	26. June – 4. July 1997

List of OSTIV Publications, published since 1948

OSTIV-Publication I,	Orebro/ Sweden, 1950
OSTIV-Publication II,	Madrid/ Spain, 1952
OSTIV-Publication III,	Buxton/ England, 1954
OSTIV-Publication IV,	St. Yan/ France, 1956
OSTIV-Publication V,	Osiecna/ Poland, 1958

OSTIV-Publication VI,	Cologne/ Germany, 1960
OSTIV-Publication VII,	Junin/ Argentina, 1963
OSTIV-Publication VIII,	South Cerney/ England, 1965
OSTIV-Publication IX,	South Cerney/ England, 1965
OSTIV-Publication X,	Leszno/ Poland, 1968
OSTIV-Publication XI,	Alpine, Texas/ USA, 1970
OSTIV-Publication XII,	Vrsac/ Yugoslavia, 1972
OSTIV-Publication XIII,	Waikerie/ Australia, 1974
OSTIV-Publication XIV,	Räyskälä/ Finland, 1976
OSTIV-Publication XV,	Chateauroux/ France, 1978
OSTIV-Publication XVI,	Paderborn/ Germany, 1981
OSTIV-Publication XVII,	Hobbs, New Mexico/ USA, 1983
OSTIV-Publication XVIII,	Rieti/ Italy, 1985

All further Congress papers, starting with the XX OSTIV Congress 1987 at Banalla, Australia, are published in OSTIV's official journal *Technical Soaring*, beginning with Volume 10, NO. 1, January 1986.

Form	Note of interest/ Abstract (XXVI OSTIV Congress, 6-13 August 1999):
<p>Send this form to : OSTIV- Secretariat c/o TU Delft, Fac. Aerospace Engineering, Kluyverweg 1 NL-2629 HS Delft, The Netherlands Fax: (+31) 15 2783533.</p> <p> <input type="checkbox"/> Please, send general information about OSTIV. <input type="checkbox"/> Please, put my name on the mailing list for further information about the XXVIth OSTIV Congress. <input type="checkbox"/> I wish to attend the XXVIth OSTIV Congress. <input type="checkbox"/> I wish to present a paper at the Meteorological Session of the XXVIth OSTIV Congress. <input type="checkbox"/> Technical Session <input type="checkbox"/> Training and Safety Session <input type="checkbox"/> Joint Session </p> <p>My name is: _____</p> <p>My affiliation is: _____</p> <p>My address is: _____ _____</p> <p>Phone: _____</p> <p>Fax: _____</p> <p>E-mail: _____</p> <p>The Provisional title of my paper is: _____</p> <p>The Abstract of my paper is described overleaf. Send two copies of the Abstract to the OSTIV Secretariat.</p>	