



PROGRAM

XXIX OSTIV CONGRESS

6-13 August 2008

Lüsse, Germany

First update
5-8-2008

Wednesday 6 August 2008

18.00 **Opening Ceremony and reception of the XXIX OSTIV Congress in the Rathaus of Belzig**

- Welcome by OSTIV President Prof. Ir. L.M.M. Boermans
- Addresses by
 - * Frau Hannelore Klabunde, Stellvertretende Bürgermeisterin der Stadt Belzig
 - * Herr K. Klossok, President of the Gliding Commission DAeC and Member of the International Jury WGC
- OSTIV Award Ceremony
- Keynote Address by
 - * Prof. Dr.-Ing. Jürgen Thorbeck of the TU Berlin, Institut für Luft- und Raumfahrt, Luftfahrzeugbau und Leichtbau, presenting the lecture „Gliding research – An important incubator for the entire aviation“.
- Reception

OPEN SESSION

(date to be decided, in the evening, for everybody interested)

Evening session

A.S. Jonker, “Development of the JS1”.

TECHNICAL SECTION

Thursday 7 August 2008

OSTIV-Lectures in the Boxenhalle on the airfield of Lüsse

Morning Session

10.00 E. Schoeberl, “From Sunrise to Solar Impulse: 35-years of solar powered flight”.

10.30 H. Ross, “Fly around the world with a solar powered airplane remotely”.

11.00 Break

11.30 A. Flüeli, “Green Aircrafts - a chance for evolutions in the glider and motorglider design?”.

12.00 K. Kedzior, L. Lindstedt, M. Rodzewicz and C. Rzymkowski, “Experimental study of impact phenomena in case of a composite glider”.

Afternoon Session

14.00 J. Dillinger and L. Boermans, “Aerodynamic Design of the Open Class Sailplane Concordia”.

14.30 D.P. Corio, F. Nicolosi, A. De Marco and F. Scherillo, “Research activities on light aircraft analysis and optimization at the University of Naples”.

15.00 F. Nicolosi, “Aerodynamic experimental analyses and optimization of a twin engine propeller aircraft”.

15.30 Break

16.00 P. Iscold and R.L.U. de Freitas Pinto, “Flight Path Optimization for Competition Sailplanes Including Dynamic Effects”.

16.30 Ch. Maul and R. Niesner, “Comparative Statistical Analysis of Soaring Competitions”.

Friday 8 August 2008

OSTIV-Lectures in the Boxenhalle on the airfield of Lüsse

Morning session

10.00 L. Popelka, L. Zeleny, D. Simurda and M. Matejka, “Sailplane Wing-Fuselage Interaction: CFD, In-Flight and Wind-Tunnel Testing”.

10.30 J.J. Bosman, “Transition modelling on the JS1 wing/fuselage junction”.

11.00 Break

11.30 J. Hartmann, “Passive tip blow-out system for yaw control of a sailplane”.

12.00 L. Boermans, “Improvement of sailplane climb performance by airfoil design”.

12.30 C.K. Patel, H.-T. Lee and I.M. Kroo, “Extracting energy from atmospheric turbulence”.

Afternoon session

14.00 R. Stuff, “Non-viscous vortex generation due to buoyancy, an example of application of compulsive forces in fluids”.

14.30 A. Gäb, J. Nowack and W. Alles, “Requirements to servo-boosted control elements for sailplanes”.

15.00 L. Smolik, “Yaw-Free Multi-Probe for Soaring”.

15.30 Break

16.00 J. Knüppel, (A. Dal Monte), “Safety Glider Cockpit. –Again! Some new concepts and ideas”.

16.30 M. Rodzewicz and P. Sierputowski, “EB-2, the FlyLab of the Warsaw University of Technology”.

Saturday 9 August 2008

Guided tour to Potsdam

(for those who registered at the OSTIV-office)

09.00 Departure by bus at the airfield of Lüsse

13.00 Lunch in Palazzo di Persius

19.00 (latest) Arrival at the airfield of Lüsse

Sunday 10 August 2008

OSTIV-Lectures in the Boxenhalle on the airfield of Lüsse

Morning Session

10.00 Ch. Kensch, A. van Wingerde and D. Lekou, “Fatigue of Composite Scarf Joints”.

10.30 G. Sachs, J. Lenz and F. Holzapfel, “Range maximization by saw tooth mode optimization for motor gliders with retractable engine”.

11.00 Break

11.30 G. Sachs, J. Lenz and F. Holzapfel, “Unique flight performance capabilities of solar-powered airplanes”.

12.00 G. Sachs and F. Holzapfel, “Why birds and model gliders can fly without a vertical tail”.

Afternoon

Airshow

MONDAY 11 AUGUST 2008

OSTIV-Lectures in the Boxenhalle on the airfield of Lüsse

Morning session

10.00 J. Gedeon, "A New Approach to Fatigue Damage Calculation".

10.30 V. Trappe, S. Gunzel, F. Grasse and O. Meister, "Lifetime assessment of GFRP-gliders".

11.00 Break

11.30 M. Pires, "Performance of plug -type rocket exhaust".

12.00 F. Thurecht, "Requirements for Pilot Rescue Systems for Gliders and Motorgliders".

Afternoon session

14.00 G. Ambros, "The winch-launch - the underestimated risk".

14.30 R. Eppler, B.-H. Kröplin, P. Kungl, M. Schlenker and D.-A. Wimmer, "Evaluation of cable force during winch launch".

15.00 P. Astori and V. Pajno, "Preliminary study of a crash stage for occupant's protection in an emergency landing".

15.30 Break

16.00 A. Emck and C. Jackson, "An Informal Survey of Flying Comfort of Glider Pilots; Some Observations Concerning Pilot Discomfort Generated by Glider Cockpits".

16.30 C. Jackson, A.J. Emck, M.J. Hunston, P.C. Jarvis and A.F. Firmin "A Simple Comparison of the Characteristics of Energy-absorbing Foams for Use in Safety Cushions in Glider Cockpit Environments".

Scientific Section

Tuesday 12 August 2008

OSTIV-Lectures in the Boxenhalle on the airfield of Lüsse

Morning session

10.00 N. Renno, S. Rogacki and M. Parker, “An electric sensor for searching thermals remotely”.

10.30 C. Augustin, “Thermal Updraft Map for Gliders”.

11.00 O. Liechti, “The phase diagram of soaring: flight mode transitions in combinations of isolated and aligned lift patterns”.

11.30 Break

12.00 O. Liechti, “Meteorological predictions of updrafts in aligned patterns”.

12.30 E. Hindman, S. Saleeby and O. Liechti, “Status of a meteorological system for planning and evaluating glider flights in the northeast USA”.

Afternoon session

14.00 J. Dummann, “A report on glider-pilot activities to document leewave-events in northern Germany”.

14.30 A. Tokgozlu and Z. Aslan, “Analyses of Cloud Cover and Effects on Thermal Potential Variation”.

15.00 B. Bastanfard, F.A. Givi, P.I. Nejad, “Analysis of the structure and dynamics of a surface frontal zone”.

15.30 Break

16.00 L. Shabrang, F. A. Givi and P.I. Nejad, “Analyses of blocking and its effects on cyclogenesis over the Mediterranean”.

Wednesday 13 August 2008

14.00 **General Conference in the Boxenhalle on the airfield**

19.00 **Closing Dinner at Burghotel in Belzig**
(for those who registered at the OSTIV-office)