



# PROGRAM

## XXX OSTIV CONGRESS

**28 July - 6 August 2010**

**Szeged, Hungary**

**Wednesday 28 July 2010**

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**20.00            Opening Ceremony and reception of the XXX OSTIV Congress  
in the Briefing Hall on the airfield in Szeged**

- Welcome by OSTIV President Prof. Ir. L.M.M. Boermans
- Addresses by
  - Mr. Stephane Desprez, Secretary General of FAI
  - Mr. András Gyongyösi, President of the Hungarian Gliding Association and Competition Director
- OSTIV Award Ceremony
- Keynote Address by
  - Prof. Ir. L.M.M. Boermans of the TU Delft, Faculty of Aerospace Engineering, presenting the lecture „Aerodynamic Developments for Sailplanes at Delft University of Technology”.
- Reception

**OPEN SECTION**

**Date to be decided, 19.00 in Briefing Hall**

H. Fendt and E. de Boer, “Safety pays !”.

# TECHNICAL SECTION

**Thursday 29 July 2010**

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**OSTIV-Lectures in the mansion 2km from the airfield of Szeged**

- 13.00 M. Scherrer, S. Melber-Wikending, „CFD in sailplane design. LS6 winglet design experience“.
- 13.30 N. Souckova, L. Popelka, M. Matejka, D. Simurda, “ Parametric study on flapped airfoil lift enhancement by vortex generators”.
- 14.00 L. Popelka, “CFD and Wind-tunnel Testing of Passive Flow Control Devices on Sailplane Ailerons.
- 14.30 Break
- 15.00 J. Bosman, “Validation of CFD transition models for use in sailplane wing-fuselage design”.
- 15.30 W. Gorisch, “Glider’s rate of climb exerted by atmospheric turbulence”.
- 16.00 J. Hartmann, “Experimental Verification of the Passive Tip Blow-out Yaw Control System Design Calculations”.

## **Friday 30 July 2010**

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### **OSTIV-Lectures in the mansion 2km from the airfield of Szeged**

- 13.00 M. Rodzewicz, “Experimental study of lightness factors and loading abilities of sandwich structures”.
- 13.30 C. Kensche, “Requirements for resin systems for gliders”.
- 14.00 A. Gäb, Ch. Santel, “Numeric Simulation of Glider Wing Launches”.
- 14.30 Break
- 15.00 G. Waibel, “Load relief for small sailplanes”.
- 15.30 A. Jonker, “The effect of water absorption on the performance of composite materials”.
- 16.00 S. Zolt, “Collision Warning for General Aviation (Trajectory Prediction).”

**Saturday 9 August 2008**

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**Free day**

## Sunday 1 August 2010

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### **Guided tour**

*(for those who registered at the OSTIV-office)*

09.00 Departure by bus at the airfield of Szeged.

13.00 Lunch in ....

14.30 Guided tour in ....

19.00 (latest) Arrival at the airfield of Szeged

## MONDAY 2 AUGUST 2010

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### OSTIV-Lectures in the mansion 2km from the airfield of Szeged

- 13.00 G. Sachs, J. Lenz, F. Holzapfel, „Wind Effects on Maximum-Range Sawtooth Flight“.
- 13.30 G. Sachs, J. Lenz, F. Holzapfel, „Maximum Range Performance of Electric Motor Gliders with Retractable engine“.
- 14.00 G. Sachs, J. Traugott, F. Holzapfel, „Flight Recording of Dynamic Soaring in Albatrosses Using Miniaturized GPS Loggers“.
- 14.30 Break
- 15.00 F. Ragot, “Total Energy. 1. Energy exchanges between a glider and the atmosphere”.
- 15.30 F. Ragot, “Total Energy. 2. Unreliability of existing TE variometers in turbulent and vertically moving air”.
- 16.00 Z. Polyanszky, “Non-mesocyclone tornadoes in Hungary”.

# SCIENTIFIC SECTION

**Tuesday 3 August 2010**

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## **OSTIV-Lectures in the mansion 2km from the airfield of Szeged**

- 13.00 R. Baardman, “Cumulus Humilis: Wireless mesh-networking for gliders”.
- 13.30 A. Tokgözü, Z. Aslan, “Applications of statistical models and artificial neural networks (ANN) to define onset and organization of thermals”.
- 14.00 A. Fövényi, “Making thermal activity forecast at the Hungarian Meteorological Service”.
- 14.30 Break
- 15.00 N. Zhang, A. Hunter, R. Millane, E. Enevoldson, J. Murray, “Measuring 3D windfields in mountain waves using sailplane flight data”.
- 15.30 K. Kolláth, “Indirect effect of Saharan dust aerosols on high level clouds – not well represented cirrus shields which may ruin thermal activity”.
- 16.00 J. Gedeon, “State of the Natural Parameter Method for Chaotic Data Analysis and Modeling”.



## **Wednesday 4 August 2010**

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**14.00**      **General Conference in the mansion 2km from the airfield of Szeged**

**19.00**      **Closing Dinner at .....**  
*(for those who registered at the OSTIV-office)*