

## OSTIV Congress, 19 - 23 July 2021



### Draft Programme of Sessions and Presentations - virtual Congress format

*For registration and for receiving the links please contact [admin@ostiv.org](mailto:admin@ostiv.org) with your name, email address, and affiliation.*

	<b>Monday, 19 July 2021</b>
13:00 - 13:30	meet the delegates: wonder.me link
13:30	<b>Congress Opening</b>
	<b>Sailplane Loads: webex link room 1</b>
	Chair: Michael Greiner
13:30 - 14:00	SAFETY ISSUES IN LIFETIME CALCULATIONS OF SAILPLANES . C. Kensche, Stuttgart, Germany.
14:00 - 14:30	GUST RESPONSE OF ELASTIC SAILPLANES. J. Schwochow, Göttingen, Germany.
14:30 - 15:00	ON THE GUST LOADS OF SAILPLANES. L. M. M. Boermans, E. Lasauskas, Delft, The Netherlands, and Vilnius, Lithuania.
15:00 - 15:30	coffee break: wonder.me link
	<b>OSTIV Prize Ceremony: webex link room 1</b>
	Chairs: Rolf Radespiel and Mark Maughmer
15:30 - 16:00	OSTIV PRIZE 2021: CITATIONS AND AWARDS.
	<b>Gliding Safety</b>
	Chair: Rolf Radespiel
16:00 - 16:30	NAÏVE TRANSFER OF ICAO'S ORGANIZATIONAL SAFETY METHODS, SUCH AS SMS, INTO CLUB-BASED FLYING MIGHT BE EITHER USELESS OR EVEN HARMFUL . A. Ultsch, Marburg, Germany.
16:30 - 17:00	IMPROVING MOTORGLIDER SAFETY AND RELIABILITY. D. Nadler, Acton, USA .
17:00 - 17:30	INVESTIGATION ABOUT SECURITY BY WINCH LAUNCH. K. Höck, Friedberg, Germany.
17:30 - 18:00	ASASYS – ANTI-STALL ASSISTANT SYSTEM FOR SAILPLANES. W. Scholz, Stuttgart, Germany.

	<b>Tuesday, 20 July 2021</b>
	<b>Research Sailplanes: webex link room1</b>
	Chair: Götz Bramesfeld
13:00 - 13:30	DLR'S LATEST RESEARCH SAILPLANE: DISCUS 2C-DLR E. Braun, Braunschweig, Germany.
13:30 - 14:00	FS36 FLY-BY-WIRE OF THE AKADEMISCHE FLIEGERGRUPPE STUTTGART. F. Johnke, Jan Felix Santosa, Moritz Habermann, Stuttgart, Germany.
14:00 - 14:30	ICARÉ 2 WTP – FLY WITH LIGHT AND CONTROL BY THRUST. W. Scholz, Stuttgart, Germany.
14:30 - 15:30	coffee break: wonder.me link
	<b>Convection Models: webex link room 1</b>
	Chair: Zafer Aslan
15:30 - 16:00	STATUS REPORT ABOUT ALPTHERM_2 AS A FULLY REVISED CONVECTION MODEL. B. Neiningen, Menzingen, Switzerland.
16:00 - 16:30	ON THE INFLUENCE OF MOISTURE ON THE STRENGTH OF THERMALS: A LARGE-EDDY SIMULATION STUDY. O. Maas, Hannover, Germany.
16:30 - 17:00	EXAMINATION OF THE MICROBURST INCIDENT IN ISTANBUL, JULY 2017. A. O. Mut, F. B. Demir, H. Temur, Z. Aslan, Istanbul, Turkey.
17:00 - 18:00	meet the delegates at wonder.me link

	<b>Wednesday, 21 July 2021</b>
	<b>Electric Flight: webex link room1</b>
	Chair: Michael Greiner
13:00 - 13:30	E-ROP ELECTRIC AND ROTARY ENGINED HYBRID PLANE . S. Senger, R. Klein, Mosbach, Germany.
13:30 - 14:00	E-ROP ELECTRIC AND ROTARY-ENGINED HYBRID PLANE - CONTINUED. S. Senger, R.Klein, Mosbach, Germany.
14:00 - 14:30	EXPERIMENTAL VERIFICATION OF THE PROPWING PROPULSION SYSTEM – FIRST TESTS OF A MODEL MOTOR GLIDER . J. Pytka, R. Kliza, K. H. , R. Wojtaś, A. Rypulak, and P. Kasprzak, Lublin, Poland.
14:30 - 15:00	CREATEV: AN EXPLORATION OF A SOLAR-POWERED, ULTRA-LONG ENDURANCE UAV. A. R. Ramesh, K. C. Mallette, H. Kim, B. Bissonnette, G. Bramesfeld, Toronto, Canada.
15:00 - 15:30	coffee break: wonder.me link
	<b>Aerodynamcs: webex link room1</b>
	Chair: Mark Maughmer
15:30 - 16:00	LAMINAR SEPARATION BUBBLES AT UNSTEADY INFLOW CONDITIONS – A STATUS REPORT. M. Greiner, W. Würz, Stuttgart, Germany.
16:00 - 16:30	SINK POLAR ANALYSIS FOR UNMANNED AERIAL GLIDERS USING THE USAF DATCOM. Fares El Tin, Montreal, QC Canada.
16:30 - 17:00	A DESIGN STUDY ON THE APPLICATION OF SLOTTED, NATURAL-LAMINAR-FLOW AIRFOILS ON 18-METER SAILPLANES. L. Metkowski, State College, PA, USA.
	<b>Idaflieg Activities: webex link room 1</b>
	Chair: Rolf Radespiel
17:00 - 17:30	MICROBIOLOGICAL EXAMINATION OF AEROPLANE CONTROL ELEMENTS. I. Weisheit, Braunschweig, Germany.
17:30 - 18:00	EXPERIENCES AND LESSONS LEARNED FROM FLIGHT TESTING IN THE IDAFLIEG. T. Weigelt, München, Germany.

	<b>Thursday, 22 July 2021</b>
	<b>Sailplane Structures and Aeroelasticity: webex link room 1</b>
	Chair: Christoph Kensché
13:00 - 13:30	PROCEEDINGS IN THE DEVELOPMENT OF A CRASHWORTHY GLIDER COCKPIT. T. Lindner, Hannover, Germany.
13:30 - 14:00	OPTICAL DEFORMATION MEASUREMENT OF A TWO-SEATER COCKPIT UNDER EMERGENCY LANDING CONDITIONS DURING A QUASI-STATIC LOAD TEST. L. Fohlmeister, T.J. Adam, B. Schwarz, Braunschweig, Germany.
14:00 - 14:30	AN INTEGRATED FLIGHT DYNAMIC MODEL FOR FLEXIBLE AIRCRAFT. M. Melville, Toronto, Canada.
14:30 - 15:00	coffee break: wonder.me link
	<b>Meteorological Research and Exploration: webex link room 1</b>
	Chair: Zafer Aslan
15:00 - 15:30	A CLIMATOLOGY OF GLIDING CONDITIONS IN EURASIA. B. Neining, A. de Orleans-Borbon, Menzingen, Switzerland.
15:30 - 16:00	WAVE FLYING EXPERIENCES - EXAMPLES OF OBSERVATIONS AND ITS INTERPRETATION. C. Lindemann, Berlin, Germany.
16:00 - 16:30	ASCEND MOUNT EVEREST VIA PARAGLIDER? E. Hindman, New York, USA.
16:30 - 17:00	SATELLITE OBSERVATION OF A DEEP CONVECTIVE STORM TOP AT KASTAMONU, TURKEY - A CASE STUDY. S. ÇİL, H. Q. Adeeb, R. A. Al-bayati, Istanbul, Turkey.
17:00 - 17:30	DISCOVERING THE TROPICAL WAVE. J.-M. Clément, Gap, France.
	<b>Round Table Discussion: webex link room 1</b>
	Chairs: Bruno Neining, Rene Heise
17:30 - 18:30	REVISION OF WMO-OSTIV HANDBOOK

	<b>Friday, 23 July 2021</b>
	<b>Sailplane Performance: webex link room 1</b>
	Chair: Mark Maughmer
13:00 - 13:30	TWO BIRDS WITH ONE STONE (AND ONE TRAILER). M. Greiner, Stuttgart, Germany.
13:30 - 14:00	INFLIGHT MEASUREMENTS OF CONTROL SURFACE DEFLECTION IN CIRCLING FLIGHT. K. Rohde-Brandenburger, Braunschweig, Germany.
	<b>Sailplane Structures 2: webex link room 1</b>
	Chair: Christoph Kensche
14:00 - 14:30	MORPHING SHELL DESIGN OF A SAILPLANE WITH A MORPHING FORWARD WING SECTION. F. Sturm, J. Achleitner, M. Hornung, München, Germany.
14:30 - 15:00	A NUMERICAL METHOD FOR KINEMATIC AND STRUCTURAL OPTIMIZATION OF SAILPLANE MECHANICAL FLIGHT CONTROL SYSTEMS. Oswaldo Palomba Neto, Santa Maria, Brasil.
15:00 - 15:30	REVIEW OF PIK-20D WING SPAR WEB BONDING. E. Soinne, Helsinki, Finland.
15:30 - 16:00	LOAD MONITORING FOR SAILPLANES UTILIZING AN INNOVATIVE CARBON FIBRE-BASED, SPATIALLY RESOLVED STRAIN SENSOR. J. Condé-Wolter, P. J. Steinbild, P. Kostka, T. Ehrig, A. Winkler, N. Modler, Dresden, Germany.
16:00 - 17:00	coffee break: wonder.me link
	<b>Conference Awards and Congress Closing: webex link room 1</b>
	Chair: Rolf Radespiel and Mark Maughmer
17:00 - 18:00	Best Student Paper Awards 2021 Best OSTIV Paper Award 2021