

EDITOR-IN-CHIEF

Dr. Ing. Arne Seitz

ASSOCIATE EDITORS

Prof. Dr. Zafer Aslan — *Turkey*

Chair, Scientific Section and Chair, Meteorological Panel

Prof. Dr. Mark Maughmer — *USA*

Chair, Technical Section

Dipl. Ing. Michael Greiner — *Germany*

Chair, Sailplane Development Panel

Dipl. Ing. Ian Oldaker — *Canada*

Chair, Training and Safety Panel

Prof. Dr. Goetz Bramesfeld — *Canada*

Dr. Kurt Sermeus — *Canada*

OSTIV PRESIDENT

Prof. Dr. Rolf Radespiel

Germany

OSTIV VICE PRESIDENT

Prof. Dr. Mark Maughmer

USA

MEMBERS OF THE OSTIV BOARD

Prof. Dr. Zafer Aslan — *Turkey*

Prof. Dr. Goetz Bramesfeld — *Canada*

Dipl. Ing. Michael Greiner — *Germany*

Dr. Judah Milgram — *USA*

Dipl. Ing. Ian Oldaker — *Canada*

Dr. Ing. Lukáš Popelka — *Czech Republic*

Journal Online Manager and Archivist

Dr. Kurt Sermeus

Copy editing/Layout

Dr. Ing. Arne Seitz

© 2017 Organisation Scientifique et Technique Internationale
du Vol à Voile
All rights reserved
ISSN 0744-8996

From the Editor 26

Status and future of weather forecasting for soaring flight based on predictions from numerical weather prediction (NWP) models

Edward Hindman 26

Investigation of the Vegetation Effects on Convection by Using COSMO-CLM

Nilcan Akataş, Serhan Yeşilköy and Zafer Aslan 28

When wave soaring, do not get caught on top!

Edward Hindman 37

Technical Soaring (TS) documents recent advances in the science, technology and operations of motorless aviation.

TS is published quarterly by the Organisation Scientifique et Technique Internationale du Vol à Voile (International Scientific and Technical Organization for Soaring, OSTIV), c/o TU Braunschweig, Institute of Fluid Mechanics, Hermann-Blenk Str. 37, D-38108 Braunschweig, Germany. E-mail: president@ostiv.org; URL: www.ostiv.org.

Subscription is restricted to OSTIV members but material can be submitted by anyone. Annual dues are €25 for Individual/Local Club Membership; €80 for Scientific/Technical Organization/Library Membership and €250 for Active Members (National Aero Club Members of FAI). Students under 25 years of age may join free of charge.

Submitted research papers will be peer-reviewed. Guidelines for preparation and submission of manuscripts can be found in this issue and on the OSTIV website in the 'editor' section.

TS is online (full-color) at journals.sfu.ca/ts/. Back issues, from Vol. 1, No. 1 to the current issue are online. OSTIV members have complete access to *TS* online; non-members may access titles and abstracts. Members should contact the webmaster, Jannes.Neumann@t-online.de, for access. Back issues can be purchased from either the OSTIV Secretariat or, in the USA, by email from bernaldd@juggernaut.com. A quick-start guide to access *TS* online is on the OSTIV website.

An index of *Technical Soaring* (Vol. 1 through Vol. 34) is at soaringweb.org/Soaring_Index/Technical_Soaring. Issues are indexed by author, subject and issue. Additional information on *TS* and information on OSTIV Publications can be found on the OSTIV website in a searchable Publications Index.

The name *Technical Soaring* and its cover layout are fully rights-protected and belong to the Soaring Society of America; they are used by permission.

Open Access Policy

Reader Rights. For the first twelve months following publication, only OSTIV members may download material. After twelve months, free download to all.

Reuse Rights. No reuse for the first twelve months, after which material may be reused in other works only with permission of the authors of the article.

Copyrights Authors retain copyright to the basic material. OSTIV retains copyright to the published version. Works that are inherently in the public domain will be noted as such on their title pages.

Author posting rights Author may not post copies of their articles on websites until twelve months after publication. After twelve months, author may distribute freely by any means and post to third-party repositories. Authors may distribute individual copies of their articles at any time.

Archiving. Authors may archive their own papers on the web and in Open-Access archives as follows. The version of the paper as first submitted to *Technical Soaring* may be archived at any time. (This will not disqualify the manuscript from publication in *TS*.) The version as published may be archived in Open-Access archives starting twelve months following publication. OSTIV may archive papers as published at any time.

Machine Readability After twelve months, article full text, metadata, and citations may be crawled or accessed without special permission or registration.