



Hochschule für Angewandte Wissenschaften Hamburg
Hamburg University of Applied Sciences

AIRCRAFT DESIGN AND SYSTEMS GROUP (AERO)

Publication Options Suitable for Aircraft Design

Open Access Journals Edited by
Members of European Aerospace Organizations

Dieter Scholz

Hamburg University of Applied Sciences

4th Symposium on Collaboration in Aircraft Design

Toulouse, France

25 to 27 November 2014

Gold

OPEN  ACCESS

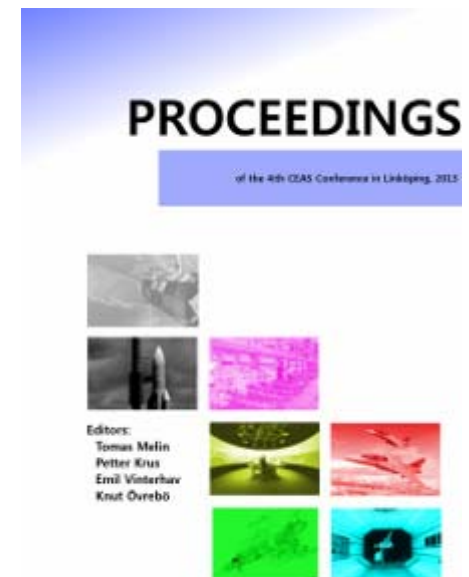
(Journals)

Abstract

Open Access publishing in the field of “aircraft design” is characterized today by: 1.) The fact that a dedicated journal about aircraft design is currently missing. 2.) A problematic situation to find a suitable aerospace Open Access journal (as shown in a previous publication). It has been observed that authors need a certain amount of trust in the journal and its operator. This level of trust will be higher, if authors select a journal run by people and organizations they know quite well. For this reason, Open Access journals in aerospace are presented edited by members of European aerospace organizations. Only 4 such Open Access journals seem to exist presently. The Romanian “INCAS Bulletin” was started in 2009 and has published several hundred papers. The journal seems well established. The Polish “Transactions of the Institute of Aviation” were started already 1951 and are already online since 2006, but lack a clear publishing structure and are dominated by articles in Polish. “Transport and Aerospace Engineering” from Latvia is well set up, was started only recently (in 2014) and has only 10 articles so far. The journal “Advances in Aerospace Science and Technology” has its roots in the USA (registration), China (operation), and Germany (editor). The journal stresses a setup based on international standards and has ambitions to include a regular Special Issue on Aircraft Design. With a start early in 2015, the prove of all this is still missing. None of these 4 journals has a Thomson Reuters Impact Factor or any “prestige”. For authors who demand this, only traditional subscription based closed access journals exist. Green Open Access with self publication of journal articles in repositories is a way to make papers openly available also from these closed access journals.


2013 on this Topic:

SCHOLZ, Dieter, 2013. **Open Access Publishing in Aerospace – Opportunities and Pitfalls**. In: MELIN, Tomas; KRUS, Petter; VINTERHAV, Emil; ÖVREBÖ, Knut: *PROCEEDINGS of the 4:th CEAS Conference in Linköping, 2013* (4th CEAS Air & Space Conference, 16. to 19.09.2013, Linköping, Sweden), pp 503-515. ISBN 978-91-7519-519-3, URI: urn:nbn:se:liu:diva-99581, DocumentID: 236. Available from: <http://OA.ProfScholz.de>.



Content

Presented Open Access Journals

- Transactions of the Institute of Aviation
- Transport and Aerospace Engineering
- INCAS Bulletin
- Advances in Aerospace Science and Technology 

Alternative

- Green Open Access Publishing in Repositories



Transactions of the Institute of Aviation

ISSN 2300-5408

Transactions of the Institute of Aviation



instituteofaviation
warsaw, since 1926

Home

List of Transactions

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Instructions for Authors

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Index Copernicus:

Main title [Polish]

Prace Instytutu Lotnictwa

English title

Transactions of the Institute of Aviation

p-ISSN

0509-6669

e-ISSN

2300-5408

URL

http://ilot.edu.pl/prace_ilot/

Country

 Poland

Affiliation

Instytut Lotnictwa

Affiliation country

 Poland

Journal's character

scientific

Frequency

Quarterly

Circulation

200

License

free for non-commercial use

Texts availability

free

Contact Details

Editor-in-chief

dr hab. inż. Cezary Galiński

Instytut Lotnictwa

http://ilot.edu.pl/eng_prace_ilot

Open Access

Peer-reviewed

ISSN, DOI: no, Archiving: no

Start: **1951**, online since: 2006

15 English transactions,

128 English articles

(irregular: on aviation / in English)

No APC

Sponsor: Institute of Aviation, Poland

Transport and Aerospace Engineering

Transport and Aerospace Engineering

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Transport and Aerospace Engineering

The RTU Scientific Journal „Transport and Aerospace Engineering” is a peer reviewed journal published twice a year. The journal comprises articles on the latest practical as well as theoretical studies and experiments in the transport and aerospace engineering.

<https://tae-journals.rtu.lv>

Open Access

Peer-reviewed

ISSN

DOI (CrossRef)

Archiving: LOCKSS

Journal System: **OJS**

Start: 2014, 1 volume, 1 issue, 10 articles

No APC

Sponsor: Riga Technical University
Latvia



INCAS Bulletin

<https://bulletin.incas.ro>

Open Access

Peer-reviewed

ISSN

DOI (CrossRef)

Indexed

Archiving: ?

Journal System: ?

Start: 2009, 23 volumes, **200...300 articles**

No APC

Sponsor: INCAS

Romania



INCAS BULLETIN is Open Access
Journal is BDI indexed

Advances in Aerospace Science and Technology

– A Scholarly Peer-Reviewed Open Access Journal –

OPEN  ACCESS

 Scientific
Research
Publishing

 NEW

With Focus on:

- Applied Aeronautics
- Aircraft Design

Editor-in-Chief: Prof. Dr. Dieter Scholz

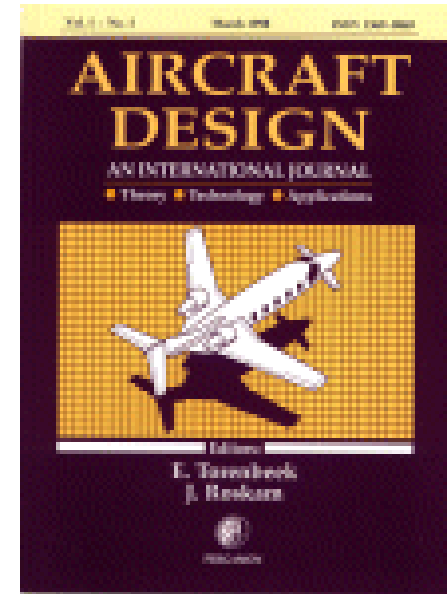
<http://www.scirp.org/journal/aast>

<http://aast.ProfScholz.de>



Heritage ?

- Elsevier's journal "Aircraft Design" (ISSN: 1369-8869)
- Publishing successfully:
 - 4 years (1998 to 2001)
 - 4 issues each year
 - <http://www.sciencedirect.com/science/journal/13698869>
- Journal started and edited by **E. Torenbeek** and **J. Roskam**.
- Unfortunately, journal had to stop for a lack of subscriptions.



- **AAST with idea to bring an Aircraft Design journal back to life.**
- **New approach:**
 - journal with broader scope: "Aerospace" with focus on "Applied Aeronautics"
 - "Aircraft Design" given attention with **regular Special Issue**
 - online and

• **OPEN**  **ACCESS**

Aims & Scope

- The journal publishes **peer-reviewed** papers with **topics** as given below.
- For details see: <http://www.scirp.org/journal/aast>

Dimension 1: Life Cycle

Dimension 2: Usage

Dimension 3: Classification – Aeronautics, Astronautics, Aerospace Sciences

Aeronautics

- **Aircraft**
 - o Manned Aircraft (powered)
 - Heavier than Air Vehicles
 - Lighter than Air Vehicles
 - o Unmanned Aircraft (powered)
 - o Unmanned Aerial Systems (UAS)
- **Aircraft Construction and Design**
 - o Overall Aircraft Design (OAD)
 - o ...

Aerospace Sciences

- Aircraft and Spacecraft Design
 - o Interior and Exterior Design
 - o Multidisciplinary Design Optimization (MDO)
 - o ...

Dimension 4: Perspective, Background, Economic Sector

Paper Category

- **Original Research**
 - o Methodology
 - o Database Article (data delivered separately to a data repository ↓)
 - o Case Study
- **Review Paper**
 - o Research Review
 - o Educational Review
 - o Historical Review
 - o Book Review
- **Technical Paper**: Article is describing and evaluating
 - o technical products,
 - o processes or
 - o services



Paper Category applicable also to the manufacturing and service industry.

- **Comment** (also called Engineering Note or Technical Comment)
- **Viewpoint**
- **Editorial**

Publication

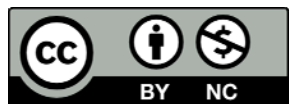
Papers will be published online with the US registered publisher SCIRP:

- **Metadata** (Dublin Core, ...) for best visibility and listing in **Google Scholar**
- Document Identifier, **DOI** from **CrossRef**
- Universal Resource Name, **URN** from **German National Library**
- Long term **archived** by **Portico**, **German National Library**, **CERN**
- **Indexed** once AAST gets established

Authors ...

- identified by their **research ID** (e.g. <http://orcid.org>)
- continue to hold **copyright**.
- decide on **user rights**: CC BY or CC BY-NC
- are **allowed to upload** publishers PDF on any website or into any repository
- benefit from **automatic posting** to EU's <http://zenodo.org> (visibility in repositories)

ORCID



Article Processing Charges (APC)

- Open Access journals are **free** for everyone **to read**.
- Open Access journals require **author to arrange payment** of APC.
- At AAST APC are very low in comparison: **300 USD**
- **APC** can mostly be **paid**
 - **from research project** or
 - **by the author's organization**.
 - Limited **fee waivers** exist.
- AAST will fulfill requirements from most research funding agencies.

Editorial Board

- Normal number of seats envisaged
- Not just honorary, but real work to guide the review process
- No payment, but some benefits (fee waiver)

Summary: AAST

<https://www.scirp.org/journal/aast>

Open Access

Peer-reviewed

ISSN

DOI (CrossRef) and **URN** (DNB)

CC BY or **CC BY-NC**

Archiving: Portico, DNB, Cern

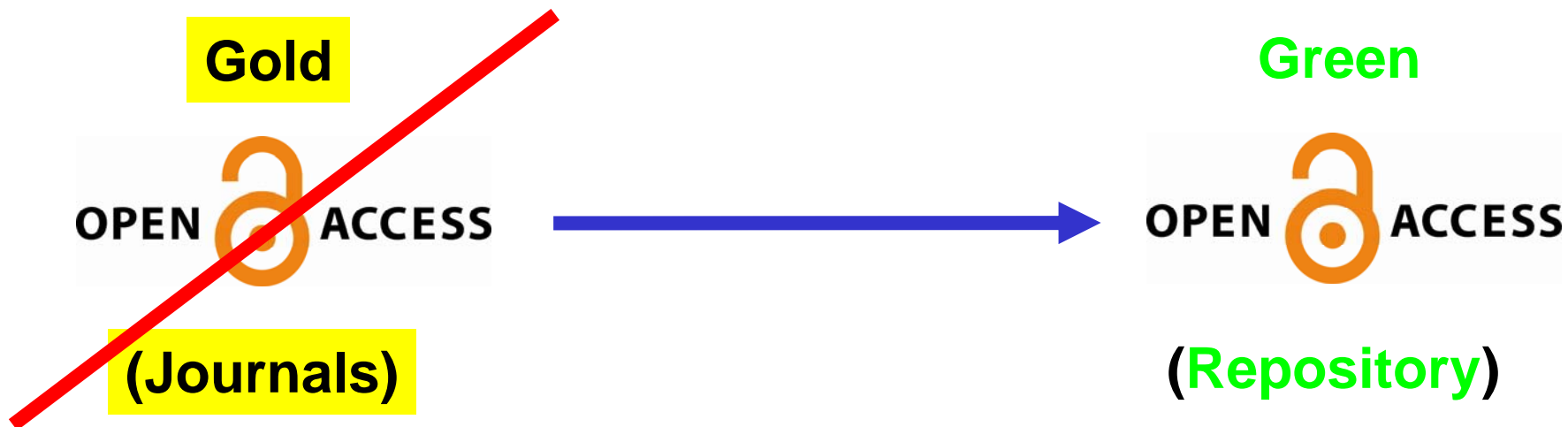
Journal System: PSS (own)

Start: **2015**

APC: **300 USD**

International (USA, China, Germany)

If this is nothing for you, because you need a journal with more prestige, or Impact Factor, or ...



<http://www.sherpa.ac.uk/romeo>

example:

Journal:	CEAS Aeronautical Journal (ISSN: 1869-5582, ESSN: 1869-5590)
RoMEO:	This is a <u>RoMEO_green</u> journal
Paid OA:	A paid open access option is available for this journal.
Author's Pre-print:	✓ author can archive pre-print (ie pre-refereeing)
Author's Post-print:	✓ author can archive post-print (ie final draft post-refereeing)
Publisher's Version/PDF:	✗ author cannot archive publisher's version/PDF



<http://AERO.ProfScholz.de>