

ISSN: 2473-6708

Volume 3, Number 4, December 2018



# Advances in Aerospace Science and Technology



ISSN: 2473-6708



[www.scirp.org/journal/aast](http://www.scirp.org/journal/aast)

# Journal Editorial Board

ISSN Print: 2473-6708    ISSN Online: 2473-6724

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

---

## Editor-in-Chief

**Prof. Roberto Sabatini**

RMIT University, Australia

## Editorial Board

**Prof. Heuy Dong Kim**

Andong National University, South Korea

**Dr. Craig Lawson**

Cranfield University, UK

**Dr. Chung-Kiak Poh**

Aero-Persistence Research LLP, Malaysia

**Prof. Toshiaki Setoguchi**

Saga University, Japan

**Dr. Paolo Tortora**

University of Bologna, Italy

**Prof. Vladimir Zhuravlev**

Moscow Aviation Institute, Russia

# Table of Contents

**Volume 3    Number 4**

**December 2018**

**Shock Wave Mitigation by Air Plasma Deflector**

S. P. Kuo.....71

**Compressors for Hyper-Sonic Engines**

C. Cherian.....89

# Advances in Aerospace Science and Technology (AASST)

## Journal Information

### SUBSCRIPTIONS

The *Advances in Aerospace Science and Technology* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### SERVICES

#### Advertisements

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### COPYRIGHT

#### Copyright and reuse rights for the front matter of the journal:

Copyright © 2018 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

#### Copyright for individual papers of the journal:

Copyright © 2018 by author(s) and Scientific Research Publishing Inc.

#### Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

#### Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

### PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: [aast@scirp.org](mailto:aast@scirp.org)



## ***What is SCIRP?***

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

## ***What is Open Access?***

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Website: <http://www.scirp.org>

Subscription: [sub@scirp.org](mailto:sub@scirp.org)

Advertisement: [service@scirp.org](mailto:service@scirp.org)