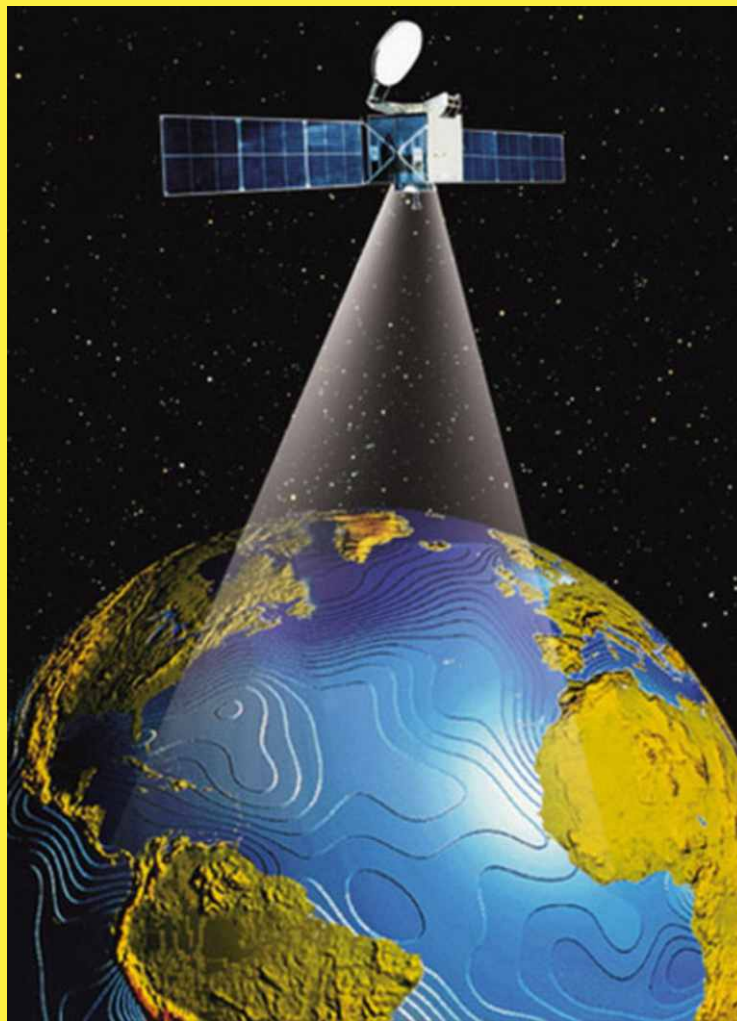


ISSN: 2150-850X Vol. 7, No. 1, February 2016



Positioning



www.scirp.org/journal/pos

Journal Editorial Board

ISSN: 2150-850X (Print), 2150-8526 (Online)

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

Editor-in-Chief

Prof. Hikmat Asadov

National Aerospace Agency, Azerbaijan

Honorary Editor-in-Chief

Prof. Jingnan Liu

Wuhan University, China

Editorial Board

Dr. Arkady Efimovich Avramenko

Russian Academy of Sciences, Russia

Dr. Francisco Barcelo-Arroy

Universitat Politecnica de Catalunya, Spain

Dr. Miloš Borenović

Serbian Ministry of Education and Science, Serbia

Prof. Sutapa Chaudhuri

University of Calcutta, India

Prof. Lev Eppelbaum

Tel Aviv University, Israel

Dr. Nikos Komninos

Athens Information Technology, Greece

Prof. Tribikram Kundu

University of Arizona, USA

Prof. Alain Lambert

Paris-Sud University, France

Prof. Chunxiang Li

Shanghai University, China

Prof. Yuji Murayama

University of Tsukuba, Japan

Prof. Gottapu Sasibhushana Rao

Andhra University, India

Dr. Paolo Tortora

University of Bologna, Italy

Dr. Guoquan Wang

University of Houston, USA

Prof. Guochang Xu

GFZ German Research Centre for Geosciences, Germany

Dr. Shaocai Yu

US Environmental Protection Agency, USA

Table of Contents

Volume 7 Number 1

February 2016

OKPS: A Reactive/Cooperative Multi-Sensors Data Fusion Approach Designed for Robust Vehicle Localization

A. R. Ahmed Bacha, D. Gruyer, A. Lambert.....1

Evaluating Model and BeiDou Based Management System for Scale Operation of Cotton-Pickers

C. C. Wu, P. Qiao, J. Zhao, J. Wang, Y. P. Cai.....21

Addressing Uncertainty in Temporal and Spatial Scheduling for Farm Machinery Operation

C. C. Wu, L. Zhou, P. Qiao, J. Wang.....32

TEC and Instrumental Bias Estimation of GAGAN Station Using Kalman Filter and SCORE Algorithm

D. Sunehra.....41

A Simulation of Reflected ADS-B Signals over the North Atlantic for a Spaceborne Receiver

R. Van Der Pryt, R. Vincent.....51

Positioning (POS)

Journal Information

SUBSCRIPTIONS

The *Positioning* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

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

E-mail: sub@scirp.org

COPYRIGHT

COPYRIGHT AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2016 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 © 2016 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: pos@scirp.org

POSITIONING

A Journal Published by Scientific Research Publishing, USA
www.scirp.org/journal/pos

★ Editor-in-Chief

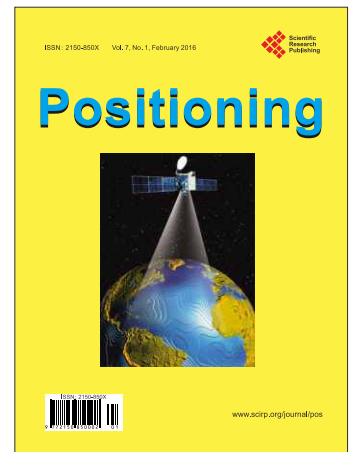
Prof. Hikmat Asadov National Aerospace Agency, Azerbaijan

★ Honorary Editor-in-Chief

Prof. Jingnan Liu Wuhan University, China

★ Editorial Board

Dr. Arkady Efimovich Avramenko	Russian Academy of Sciences, Russia
Dr. Francisco Barcelo-Arroy	Universitat Politècnica de Catalunya, Spain
Dr. Miloš Borenović	Serbian Ministry of Education and Science, Serbia
Prof. Sutapa Chaudhuri	University of Calcutta, India
Prof. Lev Eppelbaum	Tel Aviv University, Israel
Dr. Nikos Komninos	Athens Information Technology, Greece
Prof. Tribikram Kundu	University of Arizona, USA
Prof. Alain Lambert	Paris-Sud University, France
Prof. Chunxiang Li	Shanghai University, China
Prof. Yuji Murayama	University of Tsukuba, Japan
Prof. Gottapu Sasibhushana Rao	Andhra University, India
Dr. Paolo Tortora	University of Bologna, Italy
Dr. Guoquan Wang	University of Houston, USA
Prof. Guochang Xu	GFZ German Research Centre for Geosciences, Germany
Dr. Shaocai Yu	US Environmental Protection Agency, USA



POSITIONING is an international journal dedicated to the latest advancement of positioning. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of navigation and positioning. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Air Navigation/Positioning
- All-Weather Navigation/Positioning
- Approach Navigation/Positioning
- Arc Navigation/Positioning
- Astronomical Navigation/Positioning
- Blind Navigation/Positioning
- Celestial Navigation/Positioning
- Constant Navigation/Positioning
- Doppler Navigation/Positioning
- Electronic Navigation/Positioning
- Fixed Lead Navigation/Positioning
- Geodetic System
- Geographic Information System
- Global Positioning System
- Inertial Navigation/Positioning
- Interplanetary Navigation/Positioning
- Land Navigation/Positioning
- Long-Distance Navigation/Positioning
- Omni Bearing-Distance Navigation/Positioning
- Orbital Navigation/Positioning
- Radar Navigation/Positioning
- Radio Navigation/Positioning
- Satellite Navigation/Positioning
- Ship Navigation/Positioning
- Short-Range Navigation/Positioning
- Sonar Navigation/Positioning
- Space Navigation/Positioning

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

★ Notes for Intending Authors

Submitted papers should not be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. For more details, please access the website.

★ Website and E-Mail

<http://www.scirp.org/journal/pos> Email: pos@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



**Scientific
Research
Publishing**

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

Subscription: sub@scirp.org

Advertisement: service@scirp.org