# Journal of Global Positioning Systems

## Aims and Scope

The Journal of Global Positioning Systems is a peer-reviewed international journal for the publication of original research papers, review articles, invited contributions, also including selected papers presented at non-referred conferences and symposiums. Articles should present discussions of technologies and applications of any positioning systems, including Global Navigation Satellite Systems (GNSS) and their various augmentations and local components, indoor positioning, and inertial navigation systems. Articles presenting advances of other related areas, such as wireless communications, intelligent vehicle systems, sensor networks, spatial information and geosciences are also welcome. Short research and technical notes, book reviews, lecture series and commercial advertisements can be included. Specific questions about the suitability of prospective manuscripts may be directed to the Editor-in-Chief.

#### **Editor-in-Chief**

**Yanming Feng** 

Queensland University of Technology, Brisbane, Australia Email: y.feng@qut.edu.au

#### **Editorial Board**

Theme/Column Editors:

**Ruizhi Chen,** ruizhi.chen@fgi.fi Finnish Geodetic Institute, Finland

Esmond Mok, lsemok@polyu.edu.hk
Hong Kong Polytechnic University, Hong Kong
Jade Morton, mortonyt@muohio.edu

Miami University, USA

Jianguo Wang, jgwang@yorku.ca

York University, Canada

Pascal Willis, pascal.willis@orange.fr
Institut Geographique National Paris, France
Yunbin Yuan, yybgps@asch.whigg.ac.cn

Chinese Academy of Sciences, China

**Managing Editors:** 

George Liu, zzliu2@gmail.com
The Hongkong Polytechnic University
Charles Wang, cc.wang@qut.edu.au
Queensland University of Technology, Australia

**Administrative Support Team** 

Wireless Communication and Navigation Group, Queensland University of Technology, Australia **Editors:** 

Wu Chen

Hong Kong Polytechnic University, Hong Kong

Dorota Grejner-Brzezinska

Ohio State University, United States

Hans-Jürgen Euler

InPosition gmbh, Switzerland

Peng Fang

University of California, San Diego, USA

Yang Gao

University of Calgary, Canada

Shaowei Han Sirf, United States

Changdon Kee

Seoul National University, Korea

Hansjoerg Kutterer

University of Hannover, Germany

Bofeng Li

Curtin University of Technology, Australia

Jiancheng Li

Wuhan University, China

Paul Liu

Qualcomm Inc. USA J.F. Galera Monico

Departamento de Cartografia FCT/UNESP, Brazil

Philip Moore

Newcastle University, UK

**Gethin Roberts** 

University of Nottingham, United Kingdom

**Günther Retscher:** gretsch@pop.tuwien.ac.at

Vienna University of Technology, Austria

C.K. Shum

Ohio State University, United States

Chuang Shi

Wuhan University, China

Sandra Verhagen

Delft University of Technology, The Netherlands

Todd Walter

Stanford University, United States

Lambert Wanninger

Dresden University of Technology, Germany

Jinling Wang

The Univerity of New South Wales, Australia

Caijun Xu

Wuhan University, China

Guochang Xu

 $GeoForschungs Zentrum (GFZ), \ Germany$ 

Ming Yang

National Cheng Kung University, Taiwan

Kefei Zhang

RMIT University, Australia

Guoqing Zhou

Old Dominion University, United States

### **Editorial Advisory Board**

Junyong Chen

National Bureau of Surveying and Mapping, China

Yongqi Chen

Hong Kong Polytechnic University, Hong Kong

Paul Cross

University College London, United Kingdom

Guenter Hein

University FAF Munich, Germany

Gerard Lachapelle

University of Calgary, Canada

Jingnan Liu

Wuhan University, China

Keith D. McDonald

NavTech, United States

Chris Rizos

The University of New South Wales, Australia

Peter J.G. Teunissen

Delft University of Technology, The Netherlands

Sien-Chong Wu

Jet Propulsion Laboratory, NASA, United States

Yilin Zhao

Motorola, United States

# Founding Editor-in-Chief (2002-2007)

Jinling Wang, The University of New South Wales, Sydney, Australia

## Publication and Copyright

The Journal of Global Positioning Systems is an official publication of the International Association of Chinese Professionals in Global Positioning Systems (CPGPS). It is published twice a year, in June and December. The Journal is available in both print version (ISSN 1446-3156) and CD-ROM version (ISSN 1446-3164), which can be accessed through the CPGPS website at http://www.cpgps.org/journal.php. Whilst CPGPS owns all the copyright of all text material published in the Journal, the authors are responsible for the views and statements expressed in their articles. Neither the authors, the editors nor CPGPS can accept any legal responsibility for the contents published in the journal.

© CPGPS, 2012. All the rights reserved.