

# International Journal of Applied Geospatial Research

July-September 2015, Vol. 6, No. 3

## Table of Contents

### EDITORIAL PREFACE

iv **Modeling Abounds**

*Donald P. Albert, Department of Geography and Geology, Sam Houston State University, Huntsville, TX, USA*

### RESEARCH ARTICLES

7 **Modelling the Spatial Distribution of the Anopheles Mosquito for Malaria Risk Zoning Using Remote Sensing and GIS: A Case Study in the Zambezi Basin, Zimbabwe**

*Francis Danquah Ohemeng, Irrigation Development Authority, Accra, Ghana*

*Falguni Mukherjee, Department of Geography and Geology, Sam Houston State University, Huntsville, TX, USA*

21 **Activity-based Modeling and Microsimulation of Emergency Evacuations**

*Xuwei Chen, Department of Geography, Northern Illinois University, DeKalb, IL, USA*

39 **Combining Transportation Network Models with Kernel Density Methods to Measure the Relative Spatial Accessibility of Pediatric Primary Care Services in Jefferson County, Kentucky**

*Jeremiah J. Nieves, Department of Geography and Geo-Sciences, University of Louisville, Louisville, KY, USA*

58 **Alternative Methods for Developing and Assessing the Accuracy of UAV-Derived DEMs**

*Dion J. Wiseman, Department of Geography, Brandon University, Brandon, Canada*

*Jurjen van der Sluijs, Department of Geography, University of Lethbridge, Lethbridge, Canada*

78 **Review and Implications of the AutoCarto Six Retrospective Project**

*Barry Wellar, Department of Geography, University of Ottawa, Ottawa, Canada*

### Copyright

The **International Journal of Applied Geospatial Research (IJAGR)** (ISSN 1947-9654; eISSN 1947-9662), Copyright © 2015 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Applied Geospatial Research* is indexed or listed in the following: ACM Digital Library; Bacon's Media Directory; DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; SCOPUS; The Standard Periodical Directory; Ulrich's Periodicals Directory