

Journal of Spatial Information Science

Journal of Spatial Information Science

The *Journal of Spatial Information Science* (*JoSIS*) is a new international interdisciplinary journal with open access dedicated to publishing original research and review papers related to spatial information science. Themes of the journal include computer geometry, geocomputation, spatial algorithms, geovisualization, cartography, spatial data models, web GIS, spatial databases, and location based services. The journal also publishes reports from conferences and workshops of interest to the spatial information science. It is published by the *University of Maine*, USA. Detailed information about the journal can be found at the journal's web site: <http://josis.org/index.php/josis/>. The web site also enables free access to full texts of papers published in the first issue.

The first and only issue was published in 2010. It is planned to publish two issues a year. The following invited paper in the first issue attracts special attention:

- Michael F. Goodchild: Twenty years of progress: GIScience in 2010.

Nedeljko Frančula

Journal of Spatial Information Science
Volume 1 (2010), pp. 3-19
Editor-in-Chief: Matt Duckham
ISSN: 2053-999X (electronic)

**Twenty years of progress:
GIScience in 2010**
Michael F. Goodchild
Center for Spatial Studies and Department of Geography,
University of California-Riverside, CA 92521-0001, USA
Received 27 March 2010; accepted 27 April 2010

Abstract: It is 20 years since the term "geographic information science" was suggested by the National Research Council of the United States and Canada. This article reviews what GIScience has produced a range of accomplishments, an expanding literature of research as well as in the infrastructure of research. Several themes are suggested for future research, based both on gains in what has been accomplished thus far and on technology trends that will influence future developments.

Keywords: geographic information science

1 Introduction

2010 marks the 20th anniversary of the coining of the term "geographic information science," and serves an appropriate opportunity to reflect and review. What progress has been made, what have been the major accomplishments of this field, and what directions have been made about the domain of geographic information? Another motivation for this article is the recent awarding of a grant to the University of Maine by the National Science Foundation, which was established at an International Symposium on Geographic Information Sciences, with an emphasis on research and education. This grant will support the 2010 meeting and its preparation for the next 20 years. As a result, and to reflect the tone and focus of success of the past 20 years, it is inevitable to reflect, and to review the work and outcomes of the author, though comparatively, objective measures can be found in the publications and citations of the author in the field. The author has chosen to write this paper as a review, this paper is intended more as a stimulus to others to reflect, and does not pretend to be entirely objective.

© by the author(s). Licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution license (<http://creativecommons.org/licenses/by/3.0/>).

Journal of Spatial Information Science (*JoSIS*) je novi međunarodni interdisciplinarni časopis s otvorenim pristupom posvećen objavljivanju izvornih istraživačkih i preglednih članaka iz područja prostorne informacijske znanosti. Navodimo neke od tematika kojima se autori trebaju baviti u člancima koji će se u časopisu objavljivati: računalna geometrija, georačunanje, prostorni algoritmi, geovizualizacija, kartografija, prostorni modeli podataka, web-GIS, prostorne baze podataka, lokacijske usluge. Časopis objavljuje i izveštaje s konferencija i radionica koje su od općeg interesa za prostornu informacijsku znanost. Izdavač je *University of Maine*, SAD. Detaljne informacije o časopisu i odgovore na često postavljena može se naći na mrežnim stranicama časopisa: <http://josis.org/index.php/josis/>. Stranice omogućuju i slobodan pristup cijelovitim tekstovima svih članaka objavljenih u prvom broju.

Prvi broj časopisa objavljen je 2010. i to je do sada jedini objavljeni broj. Planirano je da se godišnje objavljuju dva broja. U prvom broju posebnu pozornost prilažeći pozvani članak:

- Michael F. Goodchild: Twenty years of progress: GIScience in 2010.

Nedeljko Frančula

Journal of Spatial Information Science

Home > No 2 (2011)

The Journal of Spatial Information Science (JoSIS) is an international, interdisciplinary, open-access journal dedicated to publishing high-quality, original research articles in spatial information science. The journal aims to publish research spanning the theoretical foundations of spatial and geographical information science, through computation with geospatial information, to technologies for geographical information use. [More about JoSIS...]

No 2 (2011): Special feature on Behavior Monitoring and Interpretation

JoSIS articles are free to download and read. A professionally bound full color copy of JoSIS issue 2 can also be purchased through Lulu.com. \$5 from every purchase comes back to the journal to assist with the publishing costs of JoSIS.

Table of Contents

Editorial
Matt Duckham

PDF COMMENT
1-2

DISCUSSION FORUM
Articles currently under review can be read and commented on in the Discussion Forum.

DONATIONS
JoSIS is non-profit and entirely supported by volunteer donations.

ANNOUNCEMENTS