

7th International Conference on 3D Geoinformation 2012

ISPRS Archives Volume XXXVIII-4/C26, 2012

**Quebec, Canada
16-17 May 2012**

Editors:

**J. Pouliot
S. Daniel**

**F. Hubert
A. Zamyadi**

ISBN: 978-1-62993-518-8

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2012) by the International Society for
Photogrammetry and Remote Sensing (ISPRS)
All rights reserved.

Printed by Curran Associates, Inc. (2014)

For permission requests, please contact the International Society for
Photogrammetry and Remote Sensing (ISPRS)
at the address below.

International Society for Photogrammetry and Remote Sensing (ISPRS)
Attn: Chen Jun
National Geomatics Centre of China
28 Lianhuachixi Road Haidian
Beijing 100830 China

Phone: 86 10 63 88 1102

Fax: 86 10 68 42 4101

chenjun@nsdi.gov.cn

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

INDOOR LOCALIZATION USING WI-FI BASED FINGERPRINTING AND
TRILATERATION TECHNIQUES FOR LBS APPLICATIONS

S. Chan and G. Sohn

Page(s) 1-5

INTEGRATING SCALE AND SPACE IN 3D CITY MODELS

J. Stoter, H. Ledoux, M. Meijers, and K. Arroyo Ohoi

Page(s) 7-10

MODELING AN APPLICATION DOMAIN EXTENSION OF CITYGML IN
UML

L. van den Brink, J. Stoter, and S. Zlatanova

Page(s) 11-14

REPRESENTATION AND RECONSTRUCTION OF TRIANGULAR
IRREGULAR NETWORKS WITH VERTICAL WALLS

B. Gorte and J. Lesparre

Page(s) 15-19

3D geospatial modelling and visualization for marine environment: Study of the
marine pelagic ecosystem of the south-eastern Beaufort Sea, Canadian Arctic

J. Sahlin, M. A. Mostafavi, A. Forest, M. Babin, and B. Lansard

Page(s) 21-24

EXPLORING CULTURAL HERITAGE RESOURCES IN A 3D
COLLABORATIVE ENVIRONMENT

A. Respaldiza, M. Wachowicz, and A. Vázquez Hoehne

Page(s) 25-28

MOBILE MODELLING FOR CROWDSOURCING BUILDING INTERIOR
DATA

J. Rosser, J. Morley, and M. Jackson

Page(s) 29-32