

# GEOMATICA

## FEATURES / ARTICLES DE FOND

- 13/14 Introduction, Guest Editor / Rédacteur en chef invité  
**Ahmed El-Rabbany**
- 17 CSRS-PPP: An Internet Service for GPS User Access to the Canadian Spatial Reference Frame  
**P. Tétreault, J. Kouba, P. Héroux and P. Legree**
- 29 Airborne Kinematic Positioning Using Precise Point Positioning Methodology  
**Y. Gao, A. Wojciechowski and K. Chen**
- 37 Collocation-based Multiple Reference Station Positioning Using the Covariance of the Corrections  
**P. Alves, G. Lachapelle and M.E. Cannon**
- 49 A Hybrid Autonomous Positioning System for Public Transportation  
**Mahmoud Abd El-Gelil and Ahmed El-Rabbany**
- 61 Wavelet Multi-Resolution Analysis for Enhancing the Performance of Integrated GPS and MEMS-Based Navigation Systems  
**Walid Abd-Elhamid, Ahmed Osman, Aboelmagd Noureldin and Naser El-Sheimy**
- 73 Using GPS for Augmenting Deformation Monitoring Systems in Open Pit Mines—Problems and Solutions  
**J. Bond, A. Chrzanowski and R. Wilkins**

## ARTICLES / ARTICLES

- 87 Retired CHS Staffer Awarded Order of Canada  
**David H. Gray**
- 108 High Schools Receive Atlases

## ANNOUNCEMENTS / ANNONCES

- 6 Notice to CIG Members/Avis de nomination aux membres
- 12 Call for Papers—Coping with Disasters across Continents
- 89 2nd Italy-Canada Workshop
- 101 ISO/TC 211 Geomatics Standards Meeting
- 105 Edmonton Chosen as Site for 2010 Bif
- 107 The Third Annual ESRI Survey and GIS Summit



An aerial view of a large open pit mine in western Canada. (See page 75 / voir page 75)

## DEPARTMENTS / CHRONIQUES

- 7/8 Rapport du président / President's Report  
**Ivan Pagé**
- 9/10 From the Editor / Note du rédacteur en chef  
**Kelly Dean**
- 11 Letter to the Editor
- 16 Directives aux auteurs / Instructions to Authors
- 48 Instructions to Authors for Final Manuscripts
- 60 Directives aux auteurs pour leurs manuscrits revus
- 85/86 Executive Director / Directeur Général  
**Jean Thie**
- 88 Geomatics and the Law: Unauthorized Easement  
**Alec McEwen**
- 90 Book Reviews  
**Gerald McGrath**
- 94/98 Industry News / New Products  
**Robin Becker**
- 97 Software Review
- 100 The International Scene: ICA, ISPRS, FIG  
**James S. Simpson**
- 102 Field Notes & Office Memos  
**William R. (Bill) Brookes**
- 105 Survey Humour
- 106 Fifty Years Ago  
**Harold E. Jones**
- 109 Association of Canada Lands Surveyors / Association des arpenteurs des terres du Canada
- 110 Calendar of Events / Calendrier des événements
- 112 Sustaining Members

Geomatics is a field of activities which, using a systemic approach, integrates all the means used to acquire and manage spatial data required as part of scientific, administrative, legal and technical operations involved in the process of the production and management of spatial information.

La géomatique est un champ d'activités qui intègre, selon une approche systémique, l'ensemble des moyens d'acquisition et de gestion des données à référence spatiale requis pour effectuer les opérations scientifiques, administratives, légales et techniques dans le cadre du processus de production et de gestion de l'information sur le territoire.