

FRIDAY 30 OCTOBER

08:30 - 10:00

Marine applications I (16)

Room: B12

Chairs: Stig Erik Christiansen, Kongsberg Seatex, Norway
Juan de Mateo, ESA, Holland[Or 45](#)A Norwegian Satellite for AIS Observations in the High North.
Bjørn T Narheim, Norway[Or 46 Paper](#)Space based technologies for operational pollution monitoring and detection and identification of vessels
Jan Petter Pedersen, Norway[Or 47 Paper](#)A research on an Automatic Navigation System basing on Radar and Ais data
Minh Duc Nguyen, Japan

08:30 - 10:00

Land applications I (17)

Room: C1

Chairs: Dorota Grejner-Brzezińska, Ohio State University, USA
Alan Cameron, GPS World, USA[Or 48](#)Compensation of time alignment error in heterogenous GPS
Hyung Keun, Lee, Republic of Korea[Or 49 Withdrawn](#)DGPS and inter-vehicle UWB ranging for improved relative vehicle positioning
Mark G. Petovello, Canada**Replaced by:**[Alt 26 Paper](#)Effectiveness of estimated environmental stress value monitor
Hideo Usui, Japan[Or 50 Paper](#)Design of a GNSS kinematic slot car test track
Jakob Jakobsen, Denmark

08:30 - 10:00

Arctic applications (18)

Room: C2

Chairs: Gérard Lachapelle, University of Calgary, Canada
Kjell Arne Aarmo, Norwegian Space Center, Norway[Or 51 Paper](#)Improving ionospheric correction models at high latitudes by means of long-term groundbased measurements on Svalbard
Rico Behlke, Norway[Or 52](#)New developments in the SWEPOS network
Gunnar Hedling, Norway[Or 53 Paper](#)Egnos performance in northern latitudes
Anna B.O.Jensen, Norway

10:00-10:30

Coffee break in Exhibition area

10:30 - 12:00

Marine applications II (19)

Room: B12

Chairs: Stig Erik Christiansen, Kongsberg Seatex, Norway
 Juan de Mateo, ESA, Holland

[Or 54](#)

Satellite compass in the practice
 Andrzej Felski, Poland

[Or 55](#)

Strategic application of two axes velocities information for ship maneuvering
 Yasuo Arai, Japan

[Or 56 Paper](#)

Simulation method of range detection of marine navigation radars
 Krzysztof Czaplowski, Poland

[Alt 26 Paper](#)

Effectiveness of estimated environmental stress value monitor
 Hideo Usui, Japan

10:30 - 12:00

Land applications II (20)

Room: C2

Chairs: Dorota Grejner-Brzezińska, Ohio State University, USA
 Alan Cameron, GPS World, USA

[Or 57 Paper](#)

Modelling of domain spinning terminologies for GNSS-positioning systems by means of ontology-based system engineering
 Hansjörg Manz, Italy

[Or 58 Paper](#)

Satellite navigation supporting disabled people: the NADIA project
 Roberto Muscinelli, Italy

[Or 59 Paper](#)

Distributed fault detection for precise and robust local positioning
 Reimar Pfeil, Austria

10:30 - 12:00

e-navigation II (22)

Room: C2

Chairs: Nicholas Ward, General Lighthouse Authorities, UK
 Arve Dimmen, Norwegian Coastal Administration, Norway

[Or 60 Paper](#) **Withdrawn**

Partial-IMU/GPS integration in car navigation-like robot
 Othman Maklouf, Egypt

Replaced by:

[Alt 27 Paper](#)

On numerical navigation for a ship under simulation of tidal current and wind over the sea in coastal water
 Shigeaki Shiotani, Japan

[Or 61](#)

EfficienSea - e-Navigation
 Annemette Knagaard, Denmark

[Or 62 Paper](#)

A study on planned route and navigation information by AIS -safety and efficiency assessment in Osaka Bay
 Hitoi Tamaru, Japan

12:00-12:30

Coffee break

12:30- 14:00

Closing session

Room: B12

14:00

11.00
Lunch in Clarion restaurant