

GNSS Workshop: GNSS Carrier-Phase Ambiguity Resolution - Key to High Precision Applications

*in association with International Symposium on GPS/GNSS 2008,
11-14 November, 2008, Tokyo International Exchange Center, Tokyo,
Japan*

10 November 2008

Why GNSS Workshop?

If you are working in the area of GPS/GNSS and would like to augment your knowledge and implementation skills, this GNSS workshop is a rare opportunity for you.

This one-day workshop will take place on 10 November 2008 in association with International Symposium on GPS/GNSS 2008. Therefore participants of the Symposium are welcome to register to this workshop and enjoy an extra day in beautiful Odaiba.

The presenter will start with an overview of the theory of GPS/GNSS and then cover advanced topics such as integer ambiguity resolution. Topics include:

- Introduction to GNSS
- Integer ambiguity estimators
- The float and fixed ambiguity baseline
- Integer bootstrapping
- Integer least squares
- The LAMBDA method
- Special topics

Instructor

Peter J. G. Teunissen has been Professor at the Delft University of Technology since 1988, where he heads the Department of Earth Observations and Space Systems Development. Peter has 20 years of research experience in GNSS Positioning and Navigation. He is the inventor of the LAMBDA method for GNSS carrier phase ambiguity resolution.

Textbooks

Teunissen, P.J.G., *Adjustment Theory: an Introduction*, Delft University Press, 2001.

Teunissen, P.J.G., *Testing Theory: an Introduction*, Delft University Press, 2003.

Registration

Please complete and send the Registration Form to laboratory of Satellite Navigation, Tokyo University of Marine Science and Technology, 1-35-8533 Tokyo, Japan or fax to **+81 3 5245-7365**.

Registration Fee

60,000 JPY

40,000 JPY (For full registration students and retired senior over 60)

50% Reduction for Symposium Registrants

Registration covers 2 textbooks. Onsite registration is possible however availability of textbooks is not guaranteed (as the textbooks have to be ordered in advance).

Contacts

Prof Akio Yasuda

email: yasuda@kaiyodai.ac.jp

Program

9:00 – 9:45 Lecture I

9:45 – 10:00 Break

10:00 – 10:45 Lecture II

10:45 – 11:15 Morning tea & coffee break

11:15 – 12:00 Lecture III

12:00 – 12:15 Break

12:15 – 13:00 Lecture IV

13:00 – 14:00 Lunch

14:00 – 14:45 Lecture V

14:45 – 15:00 Break

15:00 – 15:45 Lecture VI

15:45 – 16:15 Afternoon tea & coffee break

16:15 – 17:00 Lecture VII

Further Information

Venue

Tokyo International Exchange Center, Odaiba, Tokyo, Japan