



Position, Location And Navigation (PLAN) Group Overview

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Who, What & Why?

- R&D and testing to improve positioning capabilities outdoor and indoor
- Strong history of working with government and industry on a variety of applications
- Key outcomes
 - Training of high quality personnel
 - Novel algorithms, processes and software
 - Technology transfer to industry through licenses, patents and contracts



Research Areas at a Glance

- GNSS software receiver development
 - Track and use new GNSS signals
 - IRNSS, Galileo, etc.
 - New architectures to improve performance
 - Interference and spoofing mitigation
- Integration with other sensors
 - Inertial navigation
 - Vehicle sensors (e.g., gyros, odometers, etc.)
 - Other ranging systems (e.g., UWB, DSSS, etc.)
- Pedestrian navigation
- Wide range of applications

More Information

<http://plan.geomatics.ucalgary.ca>

- All of our publications are posted online
 - Research → Projects
 - Research → Publications



The screenshot shows the PLAN Group website homepage. At the top left is the PLAN logo. To its right is a news item titled "Congratulation to Yuhang Jiang on his MSc Exam - December 14, 2012" with a brief description of his thesis and supervisors. Below the news is a navigation menu with links for Home, Our Team, Research, Innovations, Resources, and News. The main content area features a collage of images related to geomatics and navigation, with the text "Position Location And Navigation Group" overlaid. At the bottom, there is a paragraph describing the group's mission and research areas: GNSS Signal, Sensor, and Applications. Logos for Schulich School of Engineering and Geomatics Engineering are also present.

PLAN

Congratulation to **Yuhang Jiang** on his **MSc Exam** - December 14, 2012:
Mr. Yuhang Jiang successfully completed his MSc oral exam this afternoon. Yuhang's thesis is titled "Integration of UWB Ranging and GPS for Improved Relative Vehicle Positioning and Ambiguity Resolution". He was co-supervised by Dr. Petovello and Dr. O'Keefe.

Home | Our Team | Research | Innovations | Resources | News

**Position Location
And Navigation Group**

The Position, Location And Navigation (PLAN) Group is dedicated to the research, development and improvement of wireless positioning and navigation technologies for outdoor and indoor use. To this end, most of our work is encompassed in the following research areas:

GNSS Signal **Sensor** **Applications**

SCHULICH School of Engineering UNIVERSITY OF CALGARY GEOMATICS ENGINEERING