



岩土力学与工程前沿讲坛

Forum on Geomechanics and Geo-engineering

No.SK2023-40

应岩土力学与工程国家重点实验室邀请，荷兰皇家科学院院士 Peter J.G. Teunissen 来访交流并做学术报告，报告信息如下：

报告人
Lecturer

Professor Peter J.G. Teunissen

报告题目
Theme

Positioning for the Future

报告时间
Time

2023 年 11 月 10 (周五) 上午 09:30

报告地点
Spot

武汉岩土所研发大楼 4 楼 1 号会议室

欢迎广大科研人员及研究生参加！

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报告摘要

Global Navigation Satellite Systems (GNSSs) have revolutionised Positioning, Navigation, Timing and Atmospheric Sensing. Despite these tremendous achievements, important challenges remain, with new opportunities arising. In this presentation, after a brief review is given of the current state of positioning technology, a selection is given of the exciting challenges and opportunities that lie ahead of us. These concern the design of new GNSS constellations, the exploitation of terrestrial and space signals of opportunities, and the importance of GNSS integrity, in particular for liability-critical and safety-critical applications. In order to tackle GNSS integrity proper, important theoretical work still needs to be done. These challenges will be highlighted, in particular with a focus on interferometric mixed-integer models and the integrity description of positioning and deformation monitoring. These topics represent samples of fertile grounds for the typical researcher (PhD student and Postdoc alike) interested in the theory of geodetic data processing and modelling, and eager to take up a difficult challenge and/or looking for research opportunities that can make a difference.

报告人介绍



Peter J.G. Teunissen 教授是荷兰皇家科学院院士、澳大利亚联邦科学院院士、拜仁科学院外籍院士、国际大地测量协会副主席、中国科学院荣誉博士、国际知名的大地测量学者、世界上被引用频次最高的大地测量学家之一。Teunissen 教授长期致力于卫星导航和大地测量理论与应用研究，发明了世界著名的 LAMBDA 算法，曾获国际大地测量协会最高奖 Bomford 奖、Alexander von Humboldt 奖、澳大利亚科研界最高奖—联邦奖学金奖和美国卫星导航学会卫星部授予的最高荣誉开普勒奖等。