



GNSS.asia Newsletter -- March

The GNSS.asia project, financed under the EU 7th Framework Programme for Research and Technological Development, has the objective to develop and implement GNSS industrial cooperation activities between the European Union and China, India, Japan, Republic of Korea and Taiwan focusing on the downstream sector (applications and receivers).

GNSS.asia（译名全球卫星导航系统亚洲项目）是由欧盟第七个研究与技术开发框架计划 (the EU 7th Framework Programme for Research and Technological Development) 全额资助的洲际合作项目。作为欧盟资助的亚洲项目，GNSS.asia 旨在开展欧盟与亚洲（包括中国、印度、日本、韩国及台湾地区）之间在全球卫星导航领域的多边商业合作和产业创新。在中国，该项目的目标是推进欧洲与中国大陆公司之间的技术合作及产业互动。尤其是针对产业链下游中的各项应用及接收器产品的实质合作。

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Highlights

Listen to the song of Galileo signals and earn your award! (March 14)

To mark the first anniversary of Galileo's historic first satnav positioning measurement, ESA plans to award certificates to groups who picked up signals from the four satellites in orbit to perform their own fixes.

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7366&lang=en&title=List-en-to-the-song-of-Galileo-signals-and-earn-your-award-%21

Galileo Masters Competition 2014: pre-register now! (March 24)

After the success of the previous editions, the European Satellite navigation Competition (ESNC) 2014 is opening a pre-registration phase.

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7390&lang=en&title=Galileo-Masters-Competition-2014-%3A-pre-register-now-%21

EU And Taiwan Talk GNSS Trends (March 25)

The European Chamber of Commerce Taiwan (ECCT) hosted the March 11 Taiwan Industry Collaboration Seminar. The event was part of the GNSS.asia project, which is managed by the European GNSS Agency (GSA).

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For full text in English, please click.

<http://www.gsa.europa.eu/news/eu-and-taiwan-talk-gnss-trends>

Economist Visitors Programme to support the work of the Competitiveness Report (2011-2014) Deadline: June 30, 2014

The purpose of this Call is to attract leading economists in academia, international organisations, governments and top research institutions to participate in the Economist Visitors Programme of DG Enterprise and Industry.

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=5274&lang=en&tpa_id=1022&title=Economist-Visitors-Programme-to-support-the-work-of-the-Competitiveness-Report-%282011-2014%29

GALILEO & EGNOS

GALILEO UPDATE (Coordinates, March 2014)

STMicroelectronics' Galileo- Compatible Satellite- Tracking Chips are ready for eCall approval
10,000 km road trip proves Galileo satnav works, says ESA
Galileo Achieves In- Orbit Validation
Preparation for Satnav mass market

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For full text in English, please click.

<http://mycoordinates.org/galileo-update-61/>

EGNSS: Actions for Road Transport, Multimodal Logistics and Dangerous Goods (March 8)

European Global Navigation Satellite Systems (EGNSS) such as EGNOS and Galileo can provide the flexible, low cost solutions that are needed by the transport sector. A recent workshop organized by the European Commission with the support of the European GNSS Agency (GSA) highlighted the benefits and added value offered by EGNSS in applications from road tolling to logistics and a potential key role in the proposed new digital tachograph.

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For full text in English, please click.

<http://www.egnos-portal.eu/news/egnss-actions-road-transport-multimodal-logistics-and-dangerous-goods>

Submission deadline for Horizon 2020 call soon! (March 11)

The submission deadline for the first call for Applications in Satellite Navigation- Galileo under the European Commission's new Horizon 2020 research and innovation programme is only a few weeks away. Proposals must be submitted by 3 April 2014. Are you ready?

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For full text in English, please click.

<http://www.egnos-portal.eu/news/submission-deadline-horizon-2020-call-soon>

New law to reinforce independence of satellite security system accreditation at the GSA (March 12)

The European Commission welcomed the European Parliament vote today in favour of a Commission proposal to grant greater independence for the security accreditation aspect of the EU's satellite navigation programmes, as operated by the EU's GNSS Agency (GSA).

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7363&lang=en&title=New-law-to-reinforce-independence-of-satellite-security-system-accreditation-at-the-GSA

Meeting the EGNOS clients (March 12)

The World ATM Congress proves to be an ideal venue for EGNOS to engage with partners and to introduce airports and ANSPs to the benefits of Performance Based Navigation (PBN). An EGNOS dedicated workshop organised by the European GNSS Agency (GSA) and ESSP on 4th March brings together ANSPs and airports interested in operational implementation.

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For full text in English, please click.

<http://www.egnos-portal.eu/news/meeting-egnos-clients>

ESA to certify first Galileo position fixes worldwide (March 12)

To mark the first anniversary of Galileo's historic first satnav positioning measurement, ESA plans to award certificates to groups who picked up signals from the four satellites in orbit to perform their own fixes.

.....

For full text in English, please click.

http://www.esa.int/Our_Activities/Navigation/ESA_to_certify_first_Galileo_position_fixes_worldwide

European GNSS Enables Flexible, Scalable Road Charging (March 14)

The Eleventh Annual Road User Charging Conference took place in Brussels on 5th and 6th March 2014. Global Navigation Satellite Systems (GNSS) are a key enabling technology for a scalable and cost-effective approach to fair and flexible road charging and the European GNSS Agency (GSA) organized a dedicated session to showcase recent developments in this key market.

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For full text in English, please click.

<http://www.egnos-portal.eu/news/european-gnss-enables-flexible-scalable-road-charging>

You're Invited: European Space Solutions Conference 2014 (March 20)

The European GNSS Agency (GSA) and the European Commission invite you to attend the third annual European Space Solutions conference schedule for 11-13 June in Prague.

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For full text in English, please click.

<http://www.egnos-portal.eu/news/you-re-invited-european-space-solutions-conference-2014>

Successful launch for the EGNOS GEO-2 satellite aboard Ariane 5!!! (March 22)

At 23:04 on March 22nd, 2014, the giant rocket Ariane 5 lifted off from the European Space Port of Kourou, sending to space its payload of satellites, amongst which the ASTRA 5B GEO-2 of carrying the EGNOS payload.

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7389&lang=en&title=Successful-launch-for-the-EGNOS-GEO-2-satellite-aboard-Ariane-5-%21%21%21

EGNOS Capability and Service Enhanced with Addition of New Generation Transponders (March 24)

The successful launch of new generation transponders for the EGNOS Satellite Based Augmentation System (SBAS) will pave the way for future services.

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For full text in English, please click.

<http://www.egnos-portal.eu/news/egnos-capability-and-service-enhanced-addition-new-generation-transponders>

Dutch company powering Galileo (March 24)

As they bathe the ground below them in test navigation messages, Europe's Galileo satellites are kept alive by the Sun.

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For full text in English, please click.

http://www.esa.int/Our_Activities/Navigation/Dutch_company_powering_Galileo

A New Look For A New GSA (March 24)

With a new remit, new responsibilities and a growing team of professionals, the GSA rebrands with the introduction of a new logo.

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For full text in English, please click.

<http://www.gsa.europa.eu/news/new-look-new-gsa>

New Galileo station opens in Azores (March 27)

The latest addition to Galileo's worldwide ground infrastructure has been made in the mid-Atlantic, on Portugal's Santa Maria island in the Azores.

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For full text in English, please click.

http://www.esa.int/Our_Activities/Navigation/New_Galileo_station_opens_in_Azores

EU-Africa Business Forum: Working together towards sustainable growth and employment

To promote sustainable and inclusive growth in both Africa and the EU, European Commission Vice-President, Antonio Tajani, and Commissioner for Development, Andris Piebalgs, take part in the 5th EU-Africa Business Forum in Brussels.

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For full text in English, please click.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7408&lang=en&tpa_id=1022&title=EU-Africa-Business-Forum%3A-Working-together-towards-sustainable-growth-and-employment

POLICIES

National Administration of Surveying, Mapping and Geo-information: Opinions on promoting Beidou's applications (March 12)

国家测绘地理信息局关于北斗卫星导航系统推广应用的若干意见

- 一、充分认识“北斗”推广应用的重要意义
- 二、着力加强“北斗”推广应用的统筹协调

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/12/201403127f514d5e5ea243a2b6544332ac4328c1.html>

Opinions on promoting GIS industry developments (March 14)

关于促进地理信息产业发展的意见

- 一、充分认识发展地

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/14/2014031473d3b4b3cd4842608947dee9f465826b.html>

BEIDOU NEWS

Beidou System Exhibition was held in UN Convention Center (March 4)

北斗系统展览在联合国会展中心举办

(北斗网讯 特约记者田苗) 在 2014 年 2 月 10 日至 21 日召开的联合国和平利用外层空间委员会(简称外空委)科技小组委员会第 51 届会议期间,北斗系统展览与对地观测、月球探测展览一同在联合国会展中心举办。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/04/20140304b37f38e4a52c45a58a8b643e3cd91e44.html>

Hebei: published opinions on ensuring industry promotion, planning to establish Industry Park (March 4)

河北：公布产业促进意见，规划建设卫星导航产业园

河北省政府办公厅日前发布《关于推进卫星导航产业快速发展的意见》，提出建设石家庄卫星导航产业园，引领和支撑河北省卫星导航产业发展。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/10/201403107ceff2230ef147ba90da25748ceb1ea1.html>

Chinese delegation went to Austria to attend preparatory meeting of ICG-9 (March 4)

中国代表团赴奥地利参加 ICG-9 预备会

（北斗网讯 特约记者田苗）2014 年 2 月 17 日至 18 日，全球卫星导航系统国际委员会（ICG）第九届大会第一次预备会和供应商论坛第十二次会议预备会在奥地利维也纳召开。来自中国、美国、俄罗斯、欧盟、日本、意大利、阿联酋等国家和地区，以及联合国外空司（UNOOSA）、民用 GPS 服务接口委员会（CGSIC）、国际电联（ITU）、欧洲空间政策研究院（ESPI）、国际卫星导航学会协会（IAIN）、非洲空间科技教育区域中心等组织的代表参加了会议。中国代表团由中国卫星导航系统管理办公室及国际合作中心、电子科技集团公司的代表组成。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/04/20140304cb9fe19fdb3c4ba1b923aad8b872b838.html>

Hunan planned to use Beidou to monitoring construction lifting machinery (March 10)

湖南：拟用北斗监管建筑起重机械

据湖南省建筑管理工作会议消息，今年湖南省将探索研究利用北斗卫星导航系统加强建筑起重机械（提升设备）信息化管理。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/11/2014031162ff9ea05bed4e4e8a231f188cddefe6.html>

Quanzhou developed a fledgling Beidou Mobile phone and a rail navigation system (March 10)

泉州：研发出初具雏形的北斗手机和铁路导航系统

记者了解到，福建省泉州市积极把握北斗定位和铁路导航的应用市场，研发出初具雏形的北斗定位手机和铁路导航定位系统。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/11/201403117f08ee9421f84a21adb878e2b71e5bc8.html>

Beidou deployed for the missing Malaysia Airlines Aircraft (March 11)

北斗紧急参与马航失联客机救援

针对此次马航客机失联时间长、搜寻面积大的实际，西安卫星测控中心迅速启动卫星测控应急预案，对在轨运行卫星测控计划进行调整。紧急调动海洋、风云、高分、遥感等 4 个型号，近 10 颗卫星为地面搜救行动提供技术支持。其中，部分卫星还停止了原有工作计划，清空星上原有指令，全力投入搜救任务，以加强对失联区域的气象监控、通信、目标

搜索等行动的支持。同时，加强对北斗卫星导航系统的状态监控，以确保随时为地面救援行动提供可靠的导航、通信支持。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/11/201403114f6d47a709704495a9c8e3ce39e6cdc1.html>

National Administration of Surveying, Mapping and Geo-information issued a document to promote the applications of Beidou system (March 12)

国家测绘地理信息局发文推广北斗卫星导航系统应用

（北斗网讯 记者张翔）3月6日，国家测绘地理信息局为贯彻落实《国务院办公厅关于促进地理信息产业发展的意见》与《国家卫星导航产业中长期发展规划》，切实发挥测绘地理信息部门的优势，履行监管与服务职责，加快北斗卫星导航系统在大众领域的推广应用和产业化发展，维护国家安全和利益，在系统内下发《国家测绘地理信息局关于北斗卫星导航系统推广应用的若干意见》（以下简称《意见》）。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/12/201403123cc52d91ede44eb1973f8ff35c761a81.html>

Jinan: Important operation vehicles have equipped with Beidou terminals (March 12)

济南：重点营运车辆已安装北斗

为加快推进北斗系统在道路运输行业的应用，山东省济南市交通运输局认真落实交通部《关于加强道路运输车辆动态监管工作的通知》。目前，济南市已有 2079 辆重点营运车辆安装了北斗卫星导航系统，其中三类以上班线客车 178 辆、旅游包车 180 辆、危险货物运输车辆 54 辆、重型载货车和半挂牵引车 1667 辆。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/14/201403140cc29524470942cc8c17696ea97e2177.html>

Three bureaus jointly released <Dynamic supervision and administration measures on Road transportation vehicles>, Beidou gained a good opportunity to expand (March 19)

三部委发布《道路运输车辆动态监督管理办法》 北斗迎拓展良机

（北斗网讯 记者陈飏）近日，由交通运输部、公安部、国家安监总局联合制定的《道路运输车辆动态监督管理办法》（以下简称《办法》）正式颁布，将于 2014 年 7 月 1 日起施行。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/19/201403194d510540645e4033a8eb1abcb9506e7c.html>

Busted by Beidou: Satellite tracking pins down Hunan officials misusing government cars (March 25)

Graft busters in Yueyang, Hunan province are using China's home-grown satellite navigation system Beidou to monitor private usage of government cars - a once-common practice among civil servants that's now a target of an anti-extravagance campaign.

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For full text in English, please click.

<http://www.scmp.com/news/china-insider/article/1456836/beidou-satellite-positioning-system-aids-hunan-graft-busters>

Chinese delegation went to Germany to attend the 2014 Munich Satellite Navigation Summit (March 30)

中国代表团赴德国参加 2014 慕尼黑卫星导航峰会

(北斗网讯 特约记者荆帅) 2014 年 3 月 25 日至 27 日, 第 11 届慕尼黑卫星导航峰会在德国巴伐利亚州首府慕尼黑举行。来自德国、法国、美国、中国、日本、印度、英国、比利时、意大利等 27 个国家和地区的代表 300 余人参加了会议, 会议还邀请了约 16 家企业和厂商进行展览。来自中国卫星导航系统管理办公室、科技部国家遥感中心、中科院国家授时中心、航天科技集团五院、北京航空航天大学、上海交通大学、中国伽利略卫星导航有限公司和北斗导航科技公司等单位的 10 余名代表和专家组成的中国代表团参加了本届峰会。

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For full text in Chinese, please click.

<http://www.beidou.gov.cn/2014/03/30/20140330b2d74306ecd64f6b8ed7bc3cb2e49b65.html>

APPLICATION

ICT as a catalyst of urban transformation (Coordinates Mar 2014)

A smart city provides infrastructure services such as water, energy and transportation, with the intelligent networks, sustainable buildings and systems.

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For full text in English, please click.

<http://mycoordinates.org/ict-as-a-catalyst-of-urban-transformation>

Jiangxi Anfu measured the woodlands with PDA satellite navigation technology (March 11)

江西安福: 用 PDA 卫星导航技术测量林地

今年起, 江西省安福县林业局调查设计队、营林股全面推广应用林业 PDA 卫星导航测量新技术测量林地, 测量成果既快捷又准确。

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For full text in English, please click.

<http://www.beidou.gov.cn/2014/03/12/20140312b5fb6be13a7943998bd13a854d1ca9d9.html>

Xinjinag Jinghe: Farming planter equipped with navigation terminals (March 11)

新疆精河县: 农场播种机装上导航终端

新疆精河县八家户农场目前正在逐步实现现代化播种, 3 月 3 日, 该农场为农用拖拉机安装 GPS 导航设备, 为春耕生产做好前期准备工作。

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For full text in English, please click.

<http://www.beidou.gov.cn/2014/03/12/201403126d89c944f2f342f9b5bf14167e18f763.html>

Henan: School bus must install satellite positioning equipment (March 12)

河南: 校车必须安装卫星定位装置

3 月 15 日起, 《河南省实施<校车安全管理条例>办法》(以下简称《办法》) 将正式实施。《办法》规定, 校车必须安装 GPS 卫星定位装置。

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For full text in English, please click.

<http://www.beidou.gov.cn/2014/03/14/20140314428de3f976794574a69305bbc04fe0c6.html>

Xiamen: Satellite navigation handset terminals reduced loads for railway operation (March 14)

厦门：卫星导航手持终端机为铁路运维减负

日前，记者在南昌铁路局厦门供电段获悉，GPS 手持终端机在铁路运维中大显身手。2014 年春运，手持终端帮助该段发现并处理影响高铁安全问题 36 个、鹰厦铁路安全问题 6 个。

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For full text in English, please click.

<http://www.beidou.gov.cn/2014/03/18/20140318f2d8f53f7d01432a940ce47a477048f7.html>

Renting cars should install satellite positioning system (March 14)

北京：租赁车辆应安装卫星定位系统

3 月 10 日，北京市交通委官网发布消息，北京市地方标准《汽车租赁经营服务规范》送审稿已经完成专家审查。新标规定，租赁车辆应安装使用卫星定位装置。

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For full text in English, please click.

<http://www.beidou.gov.cn/2014/03/18/201403186f64e68451cf4cb1b86642b281e646f6.html>

U-blox Releases 4-System Antenna Module (March 30)

Swiss-based u-blox has introduced the CAM-M8Q GPS/GLONASS/BeiDou/QZSS antenna module. The module integrates a u-blox M8 satellite receiver IC plus SAW filter, LNA, TCXO, RTC, passives, and a pre-tuned GNSS chip antenna in a 9.6 x 14.0 x 1.95 mm package.

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For full text in English, please click following link.

<http://www.insidegnss.com/node/3968>

Spirent Launches All-GNSS, Multi-Regional/SBAS Simulator (March 30)

Spirent has launched a new generation of multi-frequency, multi-GNSS RF constellation simulator — the Spirent GSS9000.

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For full text in English, please click following link.

<http://www.insidegnss.com/node/3969>

New NovAtel Firmware Enables CORRECT Positioning Combined with TerraStar PPP (April 1)

NovAtel Inc. has announced that, with the release of its 6.400 firmware, NovAtel CORRECT positioning technology is now available with TerraStar's precise point positioning (PPP) corrections.

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For full text in English, please click following link.

<http://www.insidegnss.com/node/3977>

EVENTS

European Navigation Conference - GNSS 2014

April 14, 2014 - April 17, 2014

Rotterdam, Netherlands

The 2014 European Navigation Conference and exhibition will be held at the World Trade Centre (WTC) in downtown Rotterdam, Netherlands on April 15, 16 and 17, 2014. It will focus on positioning navigation and timing (PNT) technology, innovation and business applications. The technical sessions will cover all aspects of PNT developments and applications.

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For full text in English, please click following link.

<http://www.enc-gnss2014.com/>

2014 International Satellite Navigation Forum

April 23, 2014 - April 24, 2014

Moscow, Russia

The eighth International Satellite Navigation Forum will take place during the Navitech exhibition at the Expocentre Fairgrounds in Moscow, Russia on April 23 and 24, 2014.

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For full text in English, please click following link.

<http://eng.glonass-forum.ru/index.php?id=91>

Public hearing on mobile phone-based satellite navigation positioning for 112 emergency calls May 7, 2014

Building Charlemagne - room Gasperi, Rue de la Loi 170 - 1049 Bruxelles - (Belgium)

This public hearing is intended for the following target groups : manufacturer of mobile telephones, software manufacturer, other manufacturer, mobile network operator, PSAP operator, market surveillance authority, National Regulatory Authorities, other public authority, consumer representative, others.

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For full text in English, please click following link.

http://ec.europa.eu/enterprise/newsroom/cf/itemdetail.cfm?item_id=7404&lang=en&tpa_id=1022&title=Public-hearing-on-mobile-phone-based-satellite-navigation-positioning-for-112-emergency-calls

ENAC Course: "GNSS: Principles, Augmentation and Evolutions of EGNOS"

May 12, 2014 - May 23, 2014

Toulouse, France

The ENAC (Ecole Nationale de l'Aviation Civile) course "GNSS: Principles, Augmentations and Evolutions of EGNOS" will be held at the ENAC Administrative Head Office in Toulouse, France on May 12 - 23, 2014.

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For full text in English, please click following link.

<http://www.enac.fr/>

China Satellite Navigation Conference 2014

May 21, 2014 - May 23, 2014

Nanjing, China

The organizing committee for the fifth China Satellite Navigation Conference (CSNC 2014) is inviting papers for presentation at the event, scheduled May 21–23 in Nanjing.

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For full text in Chinese, please click.

<http://www.beidou.org/>

InterGEO 2014

October 7, 2014 - October 9, 2014

Berlin, Germany

The 2014 InterGEO Conference and Trade Fair for Geodesy, Geoinformation and Land Management will take place at Messe Berlin in Berlin, Germany from October 7 to 9, 2014.

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For full text in Chinese, please click.

<http://www.intergeo.de/>

OTHER SYSTEMS

India to launch three more satellites by 2014 end: ISRO chief (April 1)

India is expected to have its own satellite navigation system with the launch of three more satellites before the end of this year, said the Indian space agency's chief Monday. Indian Space Research Organisation (ISRO) chairman K.Radhakrishnan told/ANS that Indian communication satellite INSAT-3E has been decommissioned couple of days ago and the users are being migrated to other satellites.

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For full text in English, please click.

<http://www.bgr.in/news/indias-own-satellite-navigation-system-by-2014-end-isro-chief-lead-hr414/>