

Mobile Security - A Major Issue of the 2014 Mobile World Congress

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Mobile is - without doubts - a catalyst of change and innovation. The possibilities for future innovations are nearly endless. Mobile is creating the next connected device that transforms communication. Advancing the next payment system that alters commerce. Launching the next must-have app that changes how we interact.



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Mobile World Congress is the blueprint for the NEXT big innovation. Whatever is coming NEXT will likely be born at *Mobile World Congress 2014 (MWC 2014)* - either announced on stage during our Conference programme, showcased in award-winning Exhibition, or conceived during one of the thousands of meetings taking place during the week.



In 2014, the *Mobile World Congress* Conference programme will examine the present and debate the future of the mobile industry with in-depth analysis of the trends that are shaping it.

Running across the full length of the *Mobile World Congress*, the 2014 Conference programme will continue to be a central focus for the event, challenging and educating attendees whilst covering the latest technological developments, next-generation services and growth strategies.

From the keynote programme to topic-focused conference sessions, thought leaders from the most dynamic companies in the mobile industry will be represented during the event. In addition to the keynote programme, the conference will also include in-depth track sessions on topics such as:

- business transformation;
- connected living;
- data analytics;
- developing markets;

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- devices;
- future of communications;
- intelligent networks;
- **mobile security**;
- mobile commerce and payments;
- mobile identity and privacy;
- network economics and network optimization, and others.

Among the Keynote speakers of **MWC 2014**, we could mention the following ones:

- **Mark Zuckerberg**, the Founder and Chief Executive Officer (CEO) of **Facebook**;
- **Virginia Rometty**, the Chairman, President and Chief Executive Officer of **IBM**;
- **Michel Combes**, CEO of **Alcatel-Lucent**;
- **Daniel Hajj**, CEO of **América Móvil**;
- **Randall Stephenson**, Chairman and CEO of **AT&T**;
- **John Chambers**, Chairman & CEO of **Cisco**;
- **Timotheus Höttges**, Chief Executive Officer of **Deutsche Telekom AG**;
- **Kaoru Kato**, President & CEO of **NTT Docomo**;
- **Anne Bouverot**, Director General of **GSMA**, a.o.



Analysis of 2013 Mobile World Congress

The theme of the **2013 Mobile World Congress (MWC 2013)** from **Barcelona** was “*The New Mobile Horizon*” in recognition of the immense progress that mobile technology is making to transform the way we live, work and communicate across the world.

The **Mobile World Congress (MWC) 2013** has been another record-breaking year. **MWC 2013** featured:

- More than 72,000 attendees;
- More than 41,000 C-Level leaders;

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- More than 4,300 CEOs in attendance;
- Nearly 1,700 exhibitors utilizing 94,000 net square meters of exhibition and business meeting space;
- More than 3,400 press members representing 1,500 media outlets from 80 countries.



Below are the main areas on which **MWC 2013** was focused:

- Advertising/Marketing; Applications;
- BSS/OSS;
- Business Models;
- Cloud Services; Converged Networks;
- Devices; Economic/Social Impact of Mobile; Embedded
- Mobile - Automotive, Consumer Electronics; Intelligent
- Near Field Communication (NFC);
- Networks; Network Management
- Strategies; Next-Generation Networks;
- Mobile Security;
- Social Media a.o.



An exciting lineup of inspiring speakers from mobile operators, consumer brands, organizations, and industries touched by the mobile market including advertising, health,

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entertainment and education presented at more than 40 conference sessions at **MWC 2013**.

Keynote speakers of **MWC 2013** included:

- **Franco Bernabè**, Chairman, **GSMA**, Chairman & CEO, **Telecom Italia Group**;
- **Chet Kapoor**, CEO, **Apigee**;
- **Randall Stephenson**, President & CEO, **AT&T**;
- **Xi Guohua**, Chairman, **China Mobile**;
- **Peter Bale**, GM, **CNN Digital**;
- **Axel Dauchez**, CEO, **Deezer**;
- **René Obermann**, CEO, **Deutsche Telekom**;
- **Drew Houston**, Founder & CEO, **Dropbox**;
- **Hans Vestberg**, President & CEO, **Ericsson**;
- **Dennis Crowley**, Founder & CEO, **Foursquare**;
- **Stephen Girsky**, Vice-Chairman, **GM**;
- **Kevin Johnson**, CEO, **Juniper Networks**;
- **Suk-Chae Lee**, CEO, **KT Corp**;
- **Mitchell Baker**, Chairman, **Mozilla**;
- **Gary Kovacs**, CEO, **Mozilla**;
- **Susan Whiting**, Vice Chair, **Nielsen**;
- **Stephen Elop**, President & CEO, **Nokia**;
- **Kaoru Kato**, President & CEO, **NTT DOCOMO**;
- **Nasser Marafih**, Group CEO, **Qtel Group**;
- **Paul Jacobs**, Chairman & CEO, **Qualcomm**;
- **César Alierta**, Executive Chairman & CEO, **Telefonica**;
- **Talmon Marco**, Founder & CEO, **Viber Media**;
- **Vittorio Colao**, Chief Executive, **Vodafone**, a.o.



Security - A Major Topic of MWC 2014

During the four days of the *Mobile World Congress 2014* (Barcelona, 24-27 February 2014), the conference programme will highlight the impact of mobile on

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individuals and businesses - in developed and developing markets - across a range of industries.

As always, the conference programme will challenge and educate attendees, providing essential insights on the latest technological developments, market opportunities, next-generation services, and devices which are shaping mobile communications.

Thought leaders and industry experts from the most influential companies within the expanding mobile value chain will be participating in more than 40 conference sessions at Mobile World Congress, from thought-provoking and visionary keynote presentations to interactive panel sessions, all addressing the most pressing topics in mobile.

The mobile ecosystem is expanding at lightning speed, with endless innovation and new applications of mobile technology.

From contactless payments and augmented reality to embedded devices and connected cities - mobile technology is changing the landscape. The impact mobile will have on the world is limitless.

The main components that make up the *Mobile World Congress 2014* are the following ones:

- A world-class thought-leadership *conference* featuring visionary keynotes and panel discussions;
- A cutting-edge product and technology *exhibition* featuring 1,500 exhibitors;
- The world's best venue for seeking industry opportunities, making deals, and *networking*;
- *App Planet*, the Centre of the Mobile Apps Universe, where the mobile app community gathers to learn, network and engage with innovators;
- *mPowered Brands*, where marketers, advertisers and global brands explore the possibilities in mobile marketing, and
- Global Mobile Awards programme, where we recognize advancements and achievements in the industry

With the rise of smartphones during the last few years, mobile technologies have become a major focus of **security** research - and for good reason. Many of today's mobile phones are actually mini computers that store a wealth of sensitive data and this makes them attractive targets for attackers. Some smartphone vendors have implemented NFC technology to enable contactless mobile payments. Users only have to wave their phones over NFC-capable devices to complete a transaction. Security researchers are expected to disclose new vulnerabilities in near field communication (NFC), mobile baseband firmware, HTML5 and Web application firewalls and to present them during **MWC 2014**.

The Third Generation Partnership Project (3GPP) has been specifying the standards of Long Term Evolution (LTE) for 3G radio access. The security concerns in wireless networks might have prevented its further widespread adoption. Layered security approach in LTE will be analyzed during the congress.

World leading telecom technology manufacturers and network operators have initiated a joint initiative aimed at driving forward the realization of the next generation

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of high performance mobile broadband networks based on 3GPP LTE/SAE specifications.

During the **MWC 2014** the security mechanisms for secure fast handover during Inter-RAT handover, particularly handover between 3GPP and non-3GPP networks will be discussed.

Studies of security advances and challenges associated with emergent 4G wireless technologies will be presented during the congress. The security standards evolution across different generations of wireless standards will be analyzed. Security issues and vulnerabilities present in the above 4G standards will be discussed, too.



It is important to mention that year over year, the **GSMA Mobile World Congress** attracts the largest number and highest-quality attendees of any event in the mobile industry. And true to our name, this is truly a **global event**.

The “**IJISC - International Journal of Information Security and Cybercrime**” will be at **MWC 2014** and we will analyse the main topics related to the **security of mobile communication networks** in the future issues of this journal.

References:

www.mobileworldcongress.com