

MEDIA INFORMATION

Technology/Science/Society

Does Technology create loneliness?

Between May 23 and May 25 scientists and CEOs of world-leading technology enterprises will discuss visionary technologies and their consequences for human coexistence after 2020.

- **Central question: How will humans live in 10, 50 and 100 years?**
- **IEEE, the world's largest professional association of engineers of the electro technology and informatics industries, encourages to take a look at the future**
- **Already in 1962 researchers had asked: Where will we be in 2012? Many predictions have become reality**

Dresden/New York, April 12, 2012. Does the increasing dominance of technology in society lead to loneliness of the individual? “No!”, says Gerhard Fettweis, Vodafone Chair for Mobile Communications Systems at the Technical University Dresden, Germany, and IEEE fellow. “Even if we, today and in the future, use mobile communication systems and Internet to shop, exchange knowledge, find new friends and chat – the virtual world can never replace the real world and the basic human desire for direct, physical experience and face-to-face interaction”, believes the international mobile communication expert. “Our world in 50 years will, of course, be deeply influenced by interconnected networks of communicating technologies”, says Professor Fettweis. “But we will use them efficiently to synchronize personal freedom and professional responsibilities so seamlessly that we will have more spare time to spend with friends and family.”

Imagine the following scenario: after getting up and having a breakfast that was individually tailored to your metabolism, you leave home in intelligent clothing that adjusts its features according to the current weather conditions via integrated microchips. Outside awaits you a transportation capsule. You do not have to drive yourself, but the transportation device will self-sufficiently stop at your sports friend's house, who, after a four week vacation has announced that he will be spending two months in Asia due to work. A quarter of a year spending without personal communication? Not for you. You take advantage of some extra time on your way to work. You do not have to worry about how to get there or possible traffic jams – interconnected, intelligent transportation systems make it possible.

Experts are already convinced that this scenario could become reality. At this year's conference “IEEE Technology Time Machine (TTM) – A Symposium on Technologies Beyond 2020” international industry, science and politics experts will discuss visionary technologies and their effects on human life in 10, 50 and 100 years.

The symposium, taking place in Dresden, Germany, May 23 through May 25, 2012 will bring 300 CEOs, CTOs, CIOs and leading scientists from all over the world to Silicon Saxony, Europe's leading cluster for micro- and nanoelectronics. All attendees share the same passion: developing intelligent future technologies. In Dresden they will engage in an interdisciplinary dialogue to discuss the consequences of these new technologies on human society and how those technologies can contribute to solving our global challenges.



Symposium discusses key technology topics of tomorrow's world

The conference is dedicated to the topics that will play an integral part in shaping our future, ranging from intelligent networks, artificial intelligence and Cyber Physical Systems to energy, communication, traffic control and E-mobility. In various panels, renowned representatives from science and industry will discuss the different factors and problems posed by each of these fields.

Looking into the future has tradition

Already in 1962, leading scientists and industry representatives had dared to take a look into the future and to draw a picture of what they imagined life would be in 2012. Some of their predictions, which included 3D-television, minimal invasive surgery, and fuel cell operated vehicles and mobile phones, did come true. Other prognoses such as at home tele-medical provision, learning machines that would replace school or real-time communication among different languages and with intelligent animals have not become true. Predicted by the researchers in 1962, and still current today, are, on the other hand, intelligent traffic systems, increased use of artificial intelligence and a steadily growing, technology dominated society. Participants of the Dresden conference will continue to discuss these topics from today's perspective.

For further information go to: <http://ttm.ieee.org>

Press Registration: <http://bit.ly/HzCcuV>

Key topics include: Collective Intelligence, Intelligent Supply Systems, Cyber Physical Systems, Future Medical Technologies, Intelligent Transportation and Logistics systems, Modern Communications Networks, Micro Electronic of the Future, Cloud Computing and Security

Top Participants: Google, IBM, DLR, NASA, Nokia Siemens Networks, Alcatel-Lucent, Telx, SAP, Actix, ZMDI, Nokia, Kofler Energies, Siemens, Enel, Associated Press, Vodafone, Infineon, Tata Motors, Giesecke & Devrient, Sensys Networks, Oracle, EIT ICT Labs, Foster+Partners, Volkswagen, National Instruments, VDE und Fraunhofer HHI, FOKUS, IIS will be present in Dresden with management and technology forerunners.

For further information on organization and sponsoring call or email:

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About IEEE

The Institute of Electrical and Electronics Engineers (IEEE) based in New York City with its more than 400,000 members in more than 150 countries is the world's largest professional association of engineers of the fields of electronics and information science. The association is divided in numerous Societies that focus on the whole range of electronics and information technology and globally promote the standardization of technologies, hardware and software. In addition, IEEE is host of conferences and publisher of numerous professional journals. IEEE's scientific articles in journals or contributions to conferences are of excellent technical quality. With publications such as the journal IEEE Spectrum the association also promotes interdisciplinary information and the discourse on the societal impacts of future technologies. (www.ieee.org)



REPLY

IEEE Technology Time Machine (TTM) – Symposium on Technologies Beyond 2020

May 23 through May 25, 2012 in Dresden (Germany)

Please send the filled out form to:

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From:

Medium:

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- We are interested in the symposium's topics and look forward to receiving additional information
- We are interested to conduct an interview with Prof. Dr. Gerhard Fettweis, Vodafone Chair Mobile Communications Systems, Technical University of Dresden
- We would like to seek accreditation for the symposium
- Unfortunately we will not be able to attend, but would appreciate additional information material

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Signature