

Fraunhofer FOKUS
Institute for Open Communication Systems

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Innovation in View of Digital (R)Evolution

Ina Schieferdecke, Febr. 28, 2018

INNOVATION

- The action or process of **deploying** new methods, processes, products, etc.
 - novelty, newness, unconventionality, modernization
 - a break with tradition, a shift of emphasis, a departure, a change of direction
- Types
 - Business
 - Social
 - Environmental



- over 500 employees
- appr. 35 European projects
- appr. 100 industry partners
- appr. 220 industry projects

We actively shape the networked world and make it secure, reliable, scalable as well as trustworthy!

FOKUS Annual Report



FRAUNHOFER INSTITUTE FOR OPEN COMMUNICATION SYSTEMS FOKUS

Digital (R)Evolution

Opinion

Digital Nights

A sensible ban on emailing in the nude – uh, in the night.
By Gero von Randow | September 6, 2014 – 10:40 pm

It was after 2 am when I decided to quickly check my email and read that Andrea Nahles was considering a ban on emailing in the nude. Feelings though I'd been caught in the act, I turned off my iPhone and rolled over. In my dreams, I was in a server room teeming with naked male rats.

Everything was fine again in the morning. What's actually being discussed is a ban on work emails in the night. After all, we already have laws on nighttime fasting and night flights, for good reason. I agree that these nightly emails to colleagues and subordinates should stop, but it's a shame that good manners alone aren't enough – after all, you wouldn't call someone at bedtime.

This is a naive view of things. Because work and leisure have been equally ripped by digitalization, even across time zones (another barrier riddled with holes), the money-making world blithely tests and emails through every single quiet zone.

The former US Secretary of State Dean Rusk once said that only a third of the world was asleep at any given time, while the other two thirds were up to something. This is more true than ever before, because these two thirds are sending messages to the sleeping minority.

The most endangered zone is not bedtime, it's the precious hour when we're still awake but have no work to do. Granted, some work situations require us to be reachable – when a contract or colleague is in need, for example. But as soon as you've lifted a finger, you find your whole hand being grabbed. iPhone and all.

Bosses who just can't let go clearly aren't doing themselves any favors. Oversteering their subordinates' free time, they underestimate the circumstances in which their email might be answered. Employees who are in the middle of a domestic squabble or under the influence of a drug could find themselves writing a response – probably using "reply all" – that would be detrimental to work relationships the following day. We've all been there.

What's worse, now that I've discovered the practical congruence between sleep on emails in the night and in the nude, I might wind up picturing what the sender probably looked like when he sent his email. Or where he sent his email from.



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The Council's principal tasks are to:

- analyse global environment and development problems and report on these,
- review and evaluate national and international research in the field of global change,
- provide early warning of new issue areas,
- identify gaps in research and to initiate new research,
- monitor and assess national and international policies for the achievement of sustainable development,
- elaborate recommendations for action and research and
- raise public awareness and heighten the media profile of global change issues.



→ **Upcoming flagship report on Digital Transformation and Transformation for Sustainability in 2018**

WEIZENBAUM INSTITUTE

FOR THE NETWORKED SOCIETY

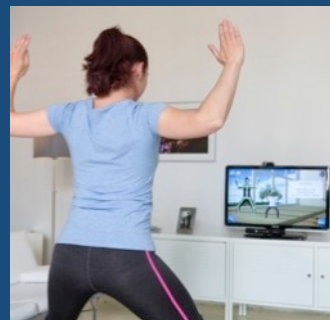
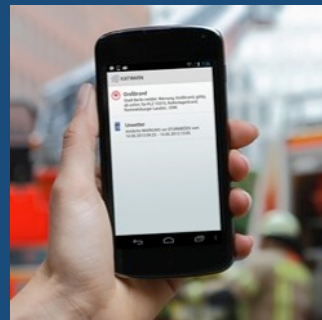
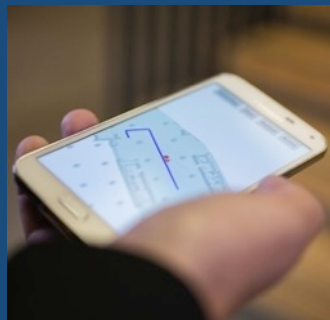
The German Internet Institute

- Investigates the current changes in all aspects of society occurring in response to digitalization
- Goals are to develop a comprehensive understanding of these changes based on rigorous academic analysis and to offer informed strategies to address them at a political and economic level

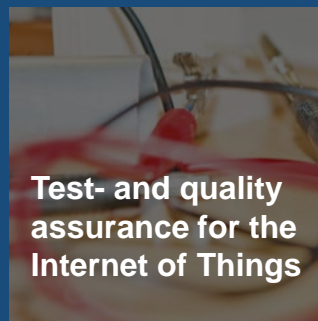
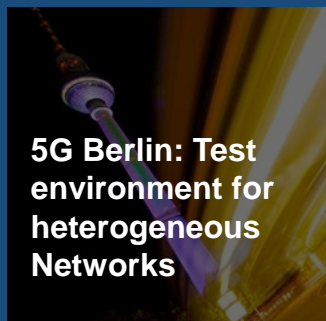
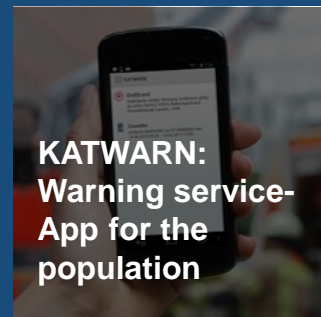
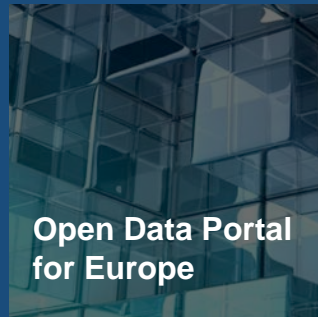
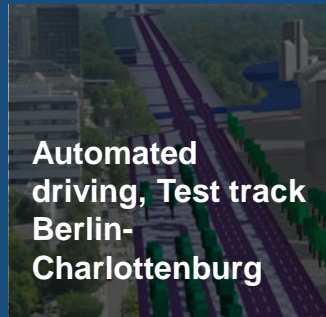
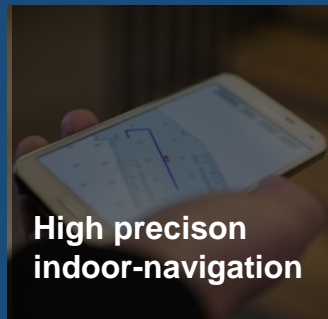


→ Digitization and Sustainability as focus topic

Back to innovation



Back to innovation



Spin-offs



ikv++ technologies ag



Consulting and Development



iptel.org

think-cell



Ingrano Solutions

WLD Innovation
Trade UG



gravity&storm



Spin-offs

Model-based development tool for functional security (now ANSYS medini Technologies)

Planning and implementation of IT-projects in the public sector

Tools for test automating and test solutions (now Spirent Communications)

Setting up of VOIP-Networks based on SIP-Technology

Presentation software for Microsoft Office-users

Sharing of Multimedia content in the digitized and networked home

Interactive Video

BitTubes

Commercialization of OpenEPC and professional customer specific network solutions

Development of concepts, systems and applications for information systems

Research and development of methods for intrusion detection and defense

Development and commercialization of software technology for multi-variant systems

Broadband solutions to connect rural areas to the internet

Optimisation of processes for the model based development

Utilisation of Fraunhofer technologies and product development

Warning systems and safety technologies

Innovation consulting and agile development of digital products

Cloudless-Plattform for the development of medical web- and SaaS-applications

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Sustained Digital and Social Transformation

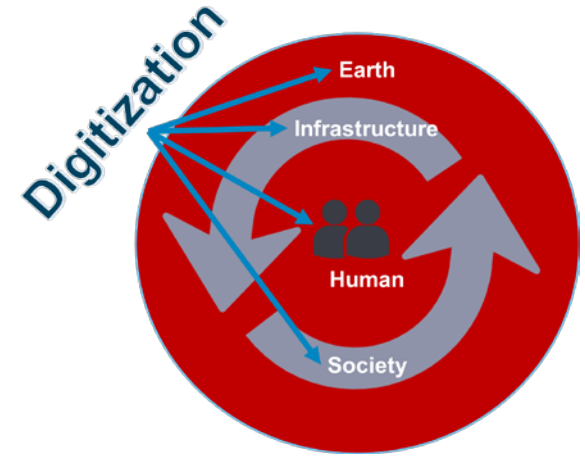
Awareness: FOKUS-Akademie

- Training for IT-managers and managers of SME's, industry and public administration
- Modularly built blended-learning-courses
- First module in cooperation with EIT Digital Professional School:
 - Open Data
 - Semantic Business Rules
- in cooperation with Lernlabor Cybersicherheit (Fraunhofer Academy, HTW Berlin, TH Brandenburg):
 - Secure Software Development
 - Common Criteria and Quality management
 - Public safety
 - Security testing
 - Security public IT

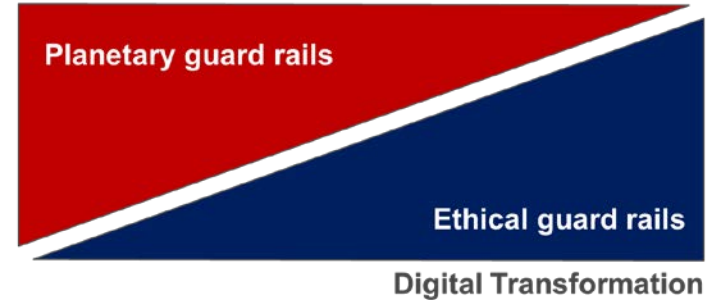


To Sum Up: Entrepreneurial Responsibility

- Gain in prosperity – Business
- Legal issues – Compliance
- Social issues – Ethics
- Environmental issues – Sustainability



Transformation to Sustainability



Contact

Fraunhofer FOKUS

Institute for Open Communication Systems

Kaiserin-Augusta-Allee 31

10589 Berlin, Germany

info@fokus.fraunhofer.de

www.fokus.fraunhofer.de

Managing Director

Prof. Dr. Manfred Hauswirth

Phone +49 (30) 34 63 -7204

manfred.hauswirth@fokus.fraunhofer.de

Director

Prof. Dr.-Ing. Ina Schieferdecker

Phone +49 (30) 34 63 -7241

ina.schieferdecker@fokus.fraunhofer.de