



Welcome to the Hasso Plattner Institute

-- HPI-China Collaborations

Prof. Dr. Christoph Meinel

Scientific Institute Director | CEO

Hasso Plattner Institute

Hasso Plattner Institute

- **Founded in 1998** by Prof. **Hasso Plattner**
- 11 IT-professors and chairs
- 490 bachelor- and master students in IT-systems Engineering
- 150 lecturers, assistant professors and scientific colleagues
- 133 PhD students
- 240 „HPI Design Thinking Program“ students
- Alumnus: 928 BSc, 484 MSc, 111 PhD



USP: HPI Future SOC Lab | D-School | Research School | openHPI ...



The HPI China Connections

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Chart 2

IT-Innovation: China and Germany

-- HPI Works closely with the Chinese S&T Community



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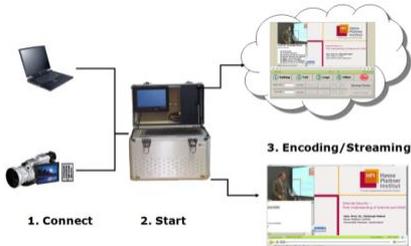
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Chart 3

„Internet-Bridge“ Project: Tele-Teaching Course (1/2) -- A Successful Joint Effort since 14 Years ago

HPI lecture series is telecasted to **Beijing University of Technology (BJUT)**



- Annual Course in the Winter Semester (WS)
- Official Course for the Master Program: 32 Hours/6 Credit Points
- Lecture Language: English
- Every Week: Two Hours Lecture (Recordings on tele-TASK) and an exercise sheet (Q&A per Email)
- So far, already **14 times** with more than 500 participants
 - WS0203, WS0304, WS0405, WS0506, WS0607, WS0708, WS0809, WS0910, WS1011, WS1112, SS2013, WS1314, WS1415, WS1516
 - In WS0708, 60 participants were trained for Beijing Olympics



Internet Security - Content

Internet Security - Weaknesses and Targets

- Risk Analysis and Computer Crime
- Weaknesses and Targets
- ➔ Detection of Attacks and Intrusions
- Legal and Ethical Issues in Internet Security

Video 1

Video 2

Detection of Attacks and Intrusions
Prof. Dr. Christoph Meinel

Introduction 00:00:00

Accessories and Attack Sign 00:11:34

Attack Signatures 00:26:07

Anti-Spam Software 00:34:41

Implementation of IDS 00:40:00

tele-TASK

tele-TASK

Topic	Duration
Introduction	00:00:00
Accessories and Attack Sign	00:11:34
Attack Signatures	00:26:07
Anti-Spam Software	00:34:41
Implementation of IDS	00:40:00
Detection of Attacks and Intrusions	00:45:00
Legal and Ethical Issues in Internet Security	00:50:00

Internet Security - Weaknesses and Targets 网络脆弱性与目标?

The lecture "Internet Security - Weaknesses and Targets" gives an overview of the different types of weaknesses and targets in the Internet. It will focus on the different types of weaknesses and targets in the Internet and how they can be exploited. The lecture will also discuss the different types of attacks and how they can be prevented.

The lecture is presented by Prof. Dr. Christoph Meinel, who is the Director of the Hasso Plattner Institute for Information Security and the Chair of Computer Science at the Beijing University of Technology.

Introduction

- Internet Security - Introduction 00:00:00
- Internet Weaknesses of Interest and Attack 00:11:34
- Risk Analysis 00:26:07

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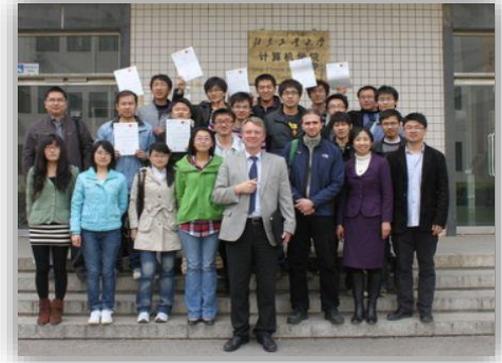
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Chart 4

„Internet-Bridge“ Project: Tele-Teaching Course (2/2) -- tele-TASK: Tele-Teaching Connects Continents.

Every year in April, a one-week stay in Beijing:

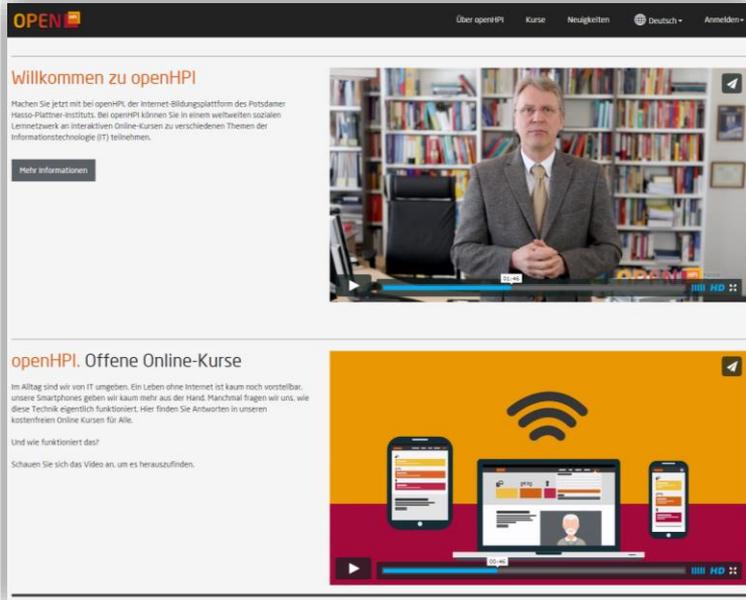
- Introduction: High-Education in Germany and HPI
- Talks and Lectures on hot topics in the area of IT-Security
- Lecture Consultation for the students
- Oral examination and certification



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openHPI: MOOC-Plattform of HPI. Development and Start



- Through our activities and expertise in e-learning and tele-education, we were able to set up an Internet Platform and to offer MOOCs
- Already in 2012 the HPI could offer first MOOCs in Europe at the HPI MOOC-platform open.hpi.de (Hasso Plattner's lecture with the topic „In-Memory Data Management“ – a technology which was developed here at HPI)

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openHPI.cn – openHPI Goes China. Our Course Offering to Chinese Participants

<https://openhpi.cn>

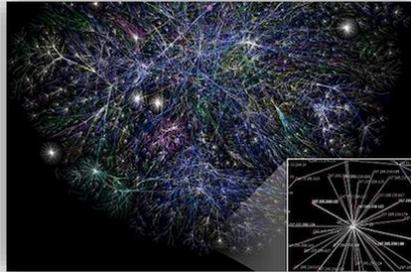
内存数据管理(2014) — 变革企业系统 Prof. Dr. h.c. mult. Hasso Plattner



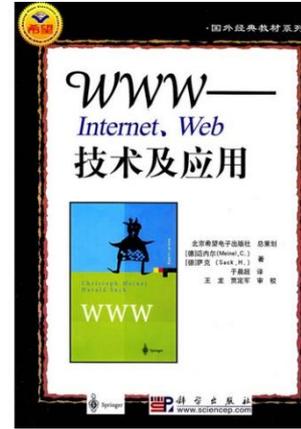
Web技术 (2015)
Prof. Dr. Christoph Meinel



网络互联技术 (2014)
Prof. Dr. Christoph Meinel



工业4.0技术 (2016)
Prof. Dr. Christoph Meinel
/ Prof. Dr. Henning Kagermann



OPEN HPI



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Attention: New Course Starting on June 6., 2016

← 网络互联技术 (2016)



2016年6月06日 09:00 (Beijing) 到 2016年7月25日 09:00 (Beijing)

语言: 中文

课程信息

授课人: 克里斯托弗·梅内尔教授 (Prof. Dr. Christoph Meinel)

您有没有想过一天之中你有多少时间都在使用互联网? 不管是在线购书、订票、看新闻或者

- Free of Charge for everyone
- English lectures with the Chinese subtitles
- Six weeks online learning with the MOOC community
- Exercises and exams fully available in Chinese
- HPI certificates after successful participations
- Convenient learning experience with the mobile app – openHPI.cn
-

The registration is still open:

<https://openhpi.cn/courses/internetworking2016>

关注我们的微博: [openhpi-来自德国的MOOC平台](https://www.weibo.com/openhpi)

<http://www.weibo.com/openhpi>

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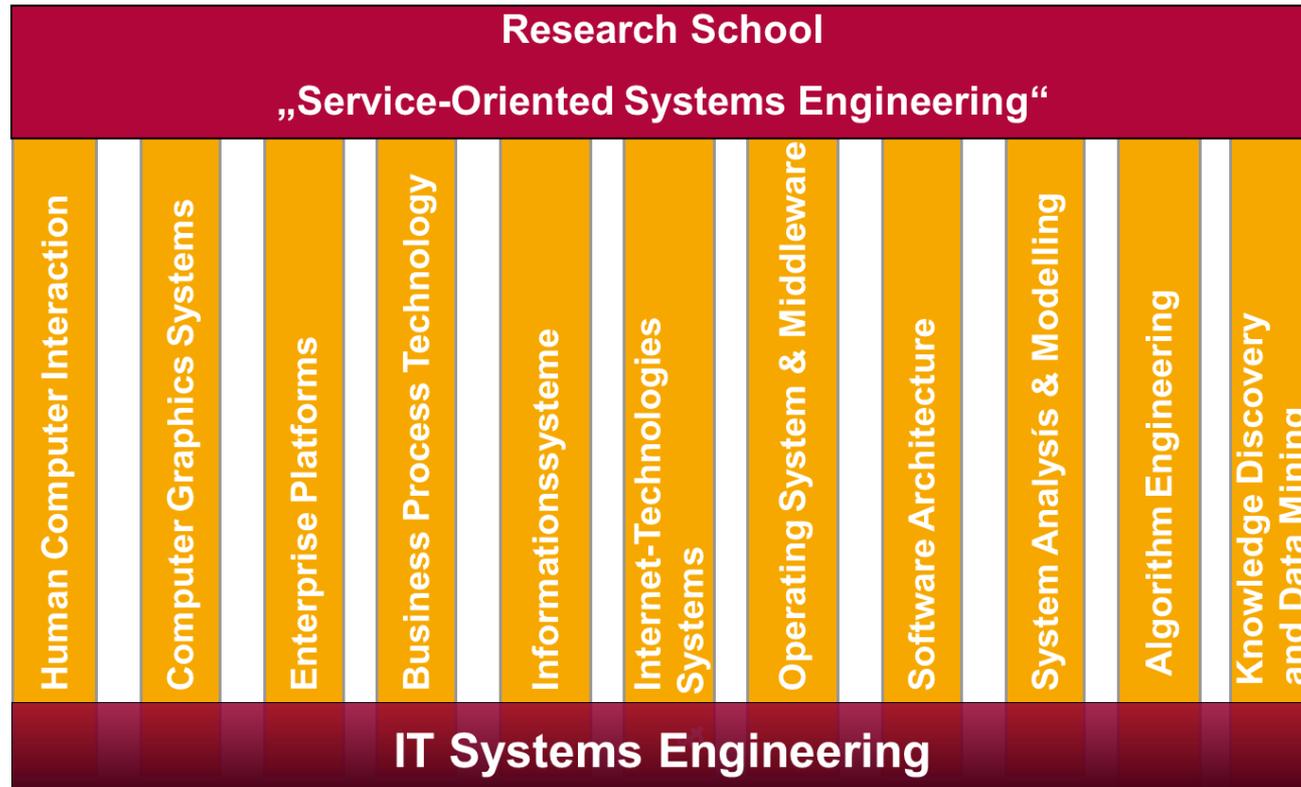
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Chart 8



HPI Research School (1/3)

-- Our Interdisciplinary PhD Program...

- Selected PhD students are co-supervised by all 11 HPI Professors (research groups)



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HPI Research School (2/3)

-- Our Interdisciplinary PhD Program...

- **30 PhD students and Postdocs** at the HPI accompanied by all HPI professors within the area „Service-Oriented Systems Engineering“
- Close collaboration with three international HPI Research Schools



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HPI Research School (3/3)

-- HPI Research School International

HPI Research School at University of Cape Town, South Africa

- **Focus:** ICT4D – ICT for Development
- Start in April 2009
- 10 PhD-Students



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HPI Research School at Technion Haifa, Israel

- **Focus:** Scalable Computing
- Start in January 2010
- 13 PhD-Students



HPI Research School at Nanjing University, China

- **Focus:** Mass Data Analytics and Knowledge Discovery
- Start in November 2011
- 8 Professors
- 9 PhD-Students

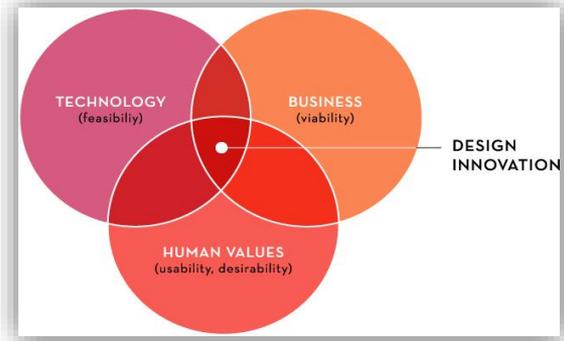


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Chart **11**

The D-School in Potsdam (1/2): -- Design Thinking – Innovators can be trained...

- Our collaboration with another **Hasso Plattner Institute**
 - Hasso Plattner Institute for Design Thinking **at Stanford University**
- **D-School** at HPI in Potsdam trains each year:
 - 80 students **Basic Track**
 - 40 students **Advanced Track**
 - On-demand workshops with **industrial partners**



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Chart **12**

Other HPI-China Connections (1/4)

-- with BUAA: 2011, 2012, 2013, 2014, 2015, ...



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Other HPI-China Connections (2/4)

-- with Shanghai University

- Sino-German Joint Workshop on “**Cloud-based High Performance Computing**”
- Fully funded by the Sino-German Center for Science Foundation (CDZ), a joint center of DFG & NSFC
 - Sept. 26-30, 2011 in Shanghai, China
 - Oct. 22-26, 2012 in Potsdam, Germany



Deutsche
Forschungsgemeinschaft
DFG



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Chart **15**

Other HPI-China Connections (3/4)

-- Visit of Chinese Ambassador

- On Feb. 14, 2014, Ambassador SHI visited at HPI together with Mr. Dietmar Woidke, Prime Minister of Brandenburg



**China
Connections**

Chr. Meinel
& CEO

Chart 16

Other HPI-China Connections (4/4)

-- Active Communications

- A large number of student groups, scientists, as well as governmental and industrial delegations from China have been visiting at HPI



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Thank You for Your Interest !



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