

Wissenschaftliches Arbeiten (WIA)

Vorlesung – Hochschule Mannheim

Introduction

Prof. Thomas Smits

Wintersemester 2017/2018

28. September 2017

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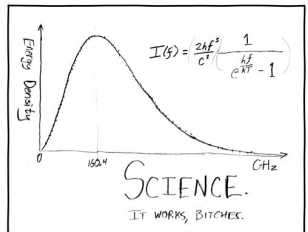


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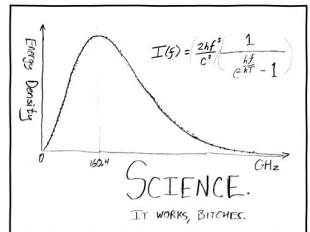


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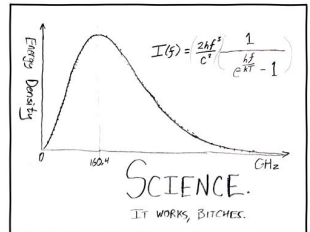
Thomas Smits (t.smits@hs-mannheim.de)

- ▶ Professor an der Hochschule Mannheim
 - ▶ Lehrgebiet IT-Architekturen und Integrationstechnologien
- ▶ Lebenslauf
 - ▶ seit 2011: Professor an der Hochschule Mannheim
 - ▶ 2007 – 2011: Chief Software Architekt bei SAP
 - ▶ 2002 – 2007: Architekt in der Java-VM Entwicklung bei SAP
 - ▶ 2001 – 2002: Architekt für Java E-Commerce Platform bei SAP
 - ▶ 1998 – 2001: IT-Berater bei diversen Unternehmen (Deutsche Bahn AG, Stinnes AG, Stadt Frankfurt, ...)



- ▶ Questions, Remarks, Issues: Send me an email:
t.smits@hs-mannheim.de
- ▶ Meeting?: **Raum A106a**
nach vorheriger Anmeldung per E-Mail
- ▶ Postbox:
Gebäude A – Fach 42
- ▶ Website: www.smits-net.de
- ▶ Moodle Course: **WIA_SMI**

Outline and Contents



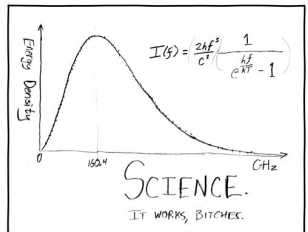


- ▶ What is science?
 - ▶ Motivation
 - ▶ Scientific method
- ▶ Philosophy of science
 - ▶ Inductivism
 - ▶ Falsificationism
 - ▶ Beyond Popper
 - ▶ Scientific Knowledge



- ▶ Scientific methods
 - ▶ Design methods
 - ▶ Behavioral methods
 - ▶ Recommendation
- ▶ Formalism
 - ▶ Typographie
 - ▶ German
 - ▶ English
 - ▶ Quotes

Schedule



What do you have to do?



1. Attend this lecture
2. Attend the „Schreibwerkstatt“
3. Pick a topic from a list of topics
4. Write a scientific paper
5. Attend the coaching
6. Review two other papers
7. Give a short presentation of your results at the end of the semester

The Lecture



Lecture (3 hours)

- ▶ Monday 13:40–16:50h A206
- ▶ Your attendances is expected (but will not be controlled)
- ▶ Only in the first 3 or 4 weeks



- ▶ Saturday, 14.10.2017, 9:00–18:00
- ▶ Saturday, 04.11.2017, 9:00–18:00
- ▶ Saturday, 18.11.2017, 9:00–17:00

If you already have attended the „Schreibwerkstatt“ (called „WIA“ before) you can skip these events. The rest **stays the same!**



- ▶ The list of available topics will be published in the Moodle course
- ▶ You have to pick an individual topic
- ▶ No group work
- ▶ No plagiarism



The paper must

- ▶ be written using LaTeX
- ▶ use a specific template provided by us
- ▶ have 10 pages



- ▶ You will receive **coaching** during writing the paper
- ▶ Details will be communicated later
- ▶ Coaches
 - ▶ Prof. Dr. P. Kaiser
 - ▶ Prof. K. Kohler
 - ▶ Prof. Dr. S. Paulus
 - ▶ Prof. T. Smits
- ▶ Coaches will make appointments with you → „Schreibsprechstunde“



Peer-Review

- ▶ Teams of three
- ▶ Everyone reviews the papers of the other two
- ▶ You will receive the details later

Presentation

- ▶ At the end of semester
- ▶ Presenting your results very briefly
- ▶ You will receive the details later



- ▶ Sign into the Moodle yourse today WIA_SMI