

Cooperation between Informatics and Engineering Disciplines in Germany:

Motivation, Activities, and first Results

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"Fakultätentag" Informatics, 4ING

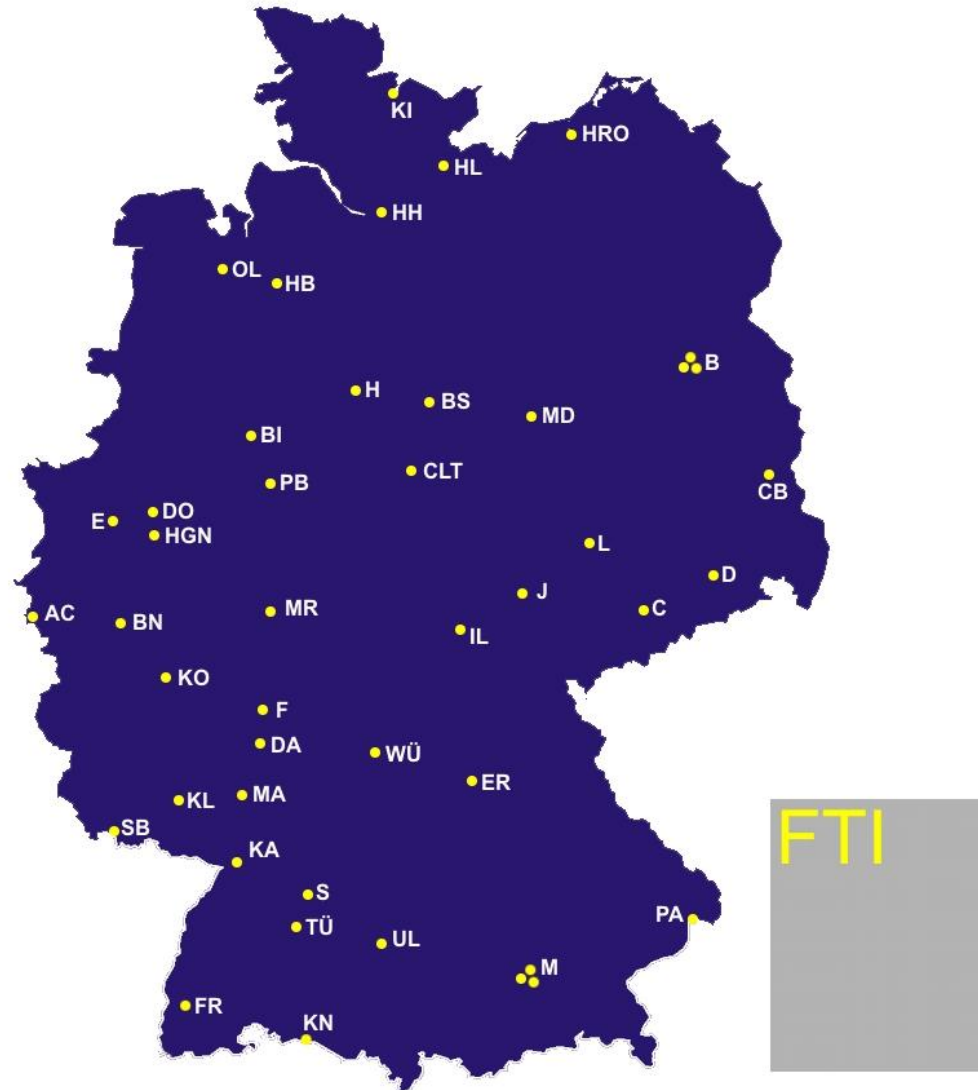
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- "Fakultätentag" Informatics
- 4ING "Fakultätentage"
for Engineering and Informatics
- Common future problems
- Landscape of relevant institutions/persons for
E&R at University

- Informatics faculties/institutes of ~50 universities in Germany, representing
 - 750 professors
 - 2000 assistants
 - 50.000 Informatics/CS students
- Well-defined process to become a member
- Plenary session every year
 - 2005 Braunschweig, 2006 Ilmenau
 - accompanied by a workshop
 - "Evaluating lectures by students" (2006)
- Board: 4-6 meetings or phone conferences
- Commission for studies

FTI Members



- Informatics voice: Common interests of university faculties
 - although universities are in competition (rankings, eval.)
- Guarantee quality level of university Informatics
- Study frame for Bachelor/Master curricula in 2004 (see talk of Prof. Heiß)
- Current topics
 - Accreditation
 - Bachelor/Master transition (talk of Prof. Reischuk)
 - Evaluation of departments
 - ...

see below

- Members:
 - Mechanical and Process Engineering
 - Civil Engineering and Geodesy
 - Electrical and Information Engg.
 - Informatics/CS

} 4ING
"for engineers"
- Represents all corresponding activities at universities and institutes of technology
- Represents
 - 2000 professors
 - 10.000 assistants
 - 120.000 students

} The scientific
Engineering / Informatics
Power

4ING Members



FTI
FTMV
FTBG
FTEI

- ✓ Statement Ph.D. studies
 - Signed by VDMA, ZVEI, VDI, GI, ...
- ✓ Recommendation Ph.D. studies for faculties
- ✓ Statement Capacity Problems 2005 – 2020
 - demographic problems, changes secondary schools
- ✓ Organizing ourselves
 - law, management, financing, ...
- ...

- Freshmen acceptance test
- Self assessment for 4ING students
- Qualification framework & outcome orientation
- Accreditations: Experiences, organization of this mass business, uniformity
- Frames for Bachelor/Master Curricula and how they are followed
- Quality evaluation of faculties
- Quality stamps for faculties
- Quality evaluation of publications
- Lecture evaluation by students
- Further and contd. education (more important due to BaMa)

The Landscape of relevant Institutions/Persons for University E&R

> 200, not complete

