



Department of Signal Processing and Communications Helmut Schmidt University University of the Federal Armed Forces Hamburg, Germany

Martin Holters

SPLab Workshop 2012

October 24-26, 2012



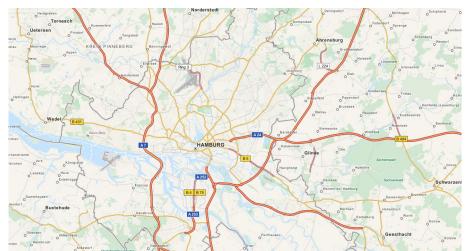


























Overview in Numbers



faculty	professors	students
electrical engineering	12	267
humanities	27	767
mechanical engineering	16	334
economics	35	1135
total	90	2503



all students are soldiers (officer cadets)



- all students are soldiers (officer cadets)
- but usually do not wear uniform



- all students are soldiers (officer cadets)
- but usually do not wear uniform
- lacktriangle three terms of 12 weeks per year \Rightarrow master degree after at most 4 years



- all students are soldiers (officer cadets)
- but usually do not wear uniform
- lacktriangle three terms of 12 weeks per year \Rightarrow master degree after at most 4 years
- on-campus accomodation



- all students are soldiers (officer cadets)
- but usually do not wear uniform
- lacktriangle three terms of 12 weeks per year \Rightarrow master degree after at most 4 years
- on-campus accomodation
- professors and most research staff are not soldiers



- all students are soldiers (officer cadets)
- but usually do not wear uniform
- lacktriangle three terms of 12 weeks per year \Rightarrow master degree after at most 4 years
- on-campus accomodation
- professors and most research staff are not soldiers
- not targeted towards military research

Staff



- Professor U. Zölzer
- $\frac{1}{2}$ secretary
- one post-doc
- two research assistants (PhD students)
- five externally funded research assistants





- video/image processing
 - object recognition (ships)
 - 3D reconstruction



- video/image processing
 - object recognition (ships)
 - 3D reconstruction
- audio processing
 - guitar effects/virtual analog
 - coding
 - pitch-based effects, voice morphing





- video/image processing
 - object recognition (ships)
 - 3D reconstruction
- audio processing
 - guitar effects/virtual analog
 - coding
 - pitch-based effects, voice morphing
- communications
 - previously: MIMO
 - now moving to: IP based multimedia communications





- video/image processing
 - object recognition (ships)
 - 3D reconstruction
- audio processing
 - guitar effects/virtual analog
 - coding
 - pitch-based effects, voice morphing
- communications
 - previously: MIMO
 - now moving to: IP based multimedia communications
- RADAR
 - only one project, ending this year: over-the-horizon radar



Conclusions





- we're small
- our students are soldiers, our researchers are teachers are not
- our research is relatively broad, and not at all limited to military applications

