



Brückenbildung NRW
Düsseldorf, 29.6.2017

Prof. Christof Paar

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- **Background – Horst Görtz Institute for IT Security**
- Technology Transfer

Horst Görtz Institute for IT Security: 2017

RUB



- 21 research groups
- 100+ postdocs & PhD students
- 100 student researchers
- 1 B.Sc. & 3 M.Sc. programs
- 800+ IT security students (M.Sc. + B.Sc.)
- 120+ graduates/year
- 100+ industrial & academic partners
- 15 spin-offs

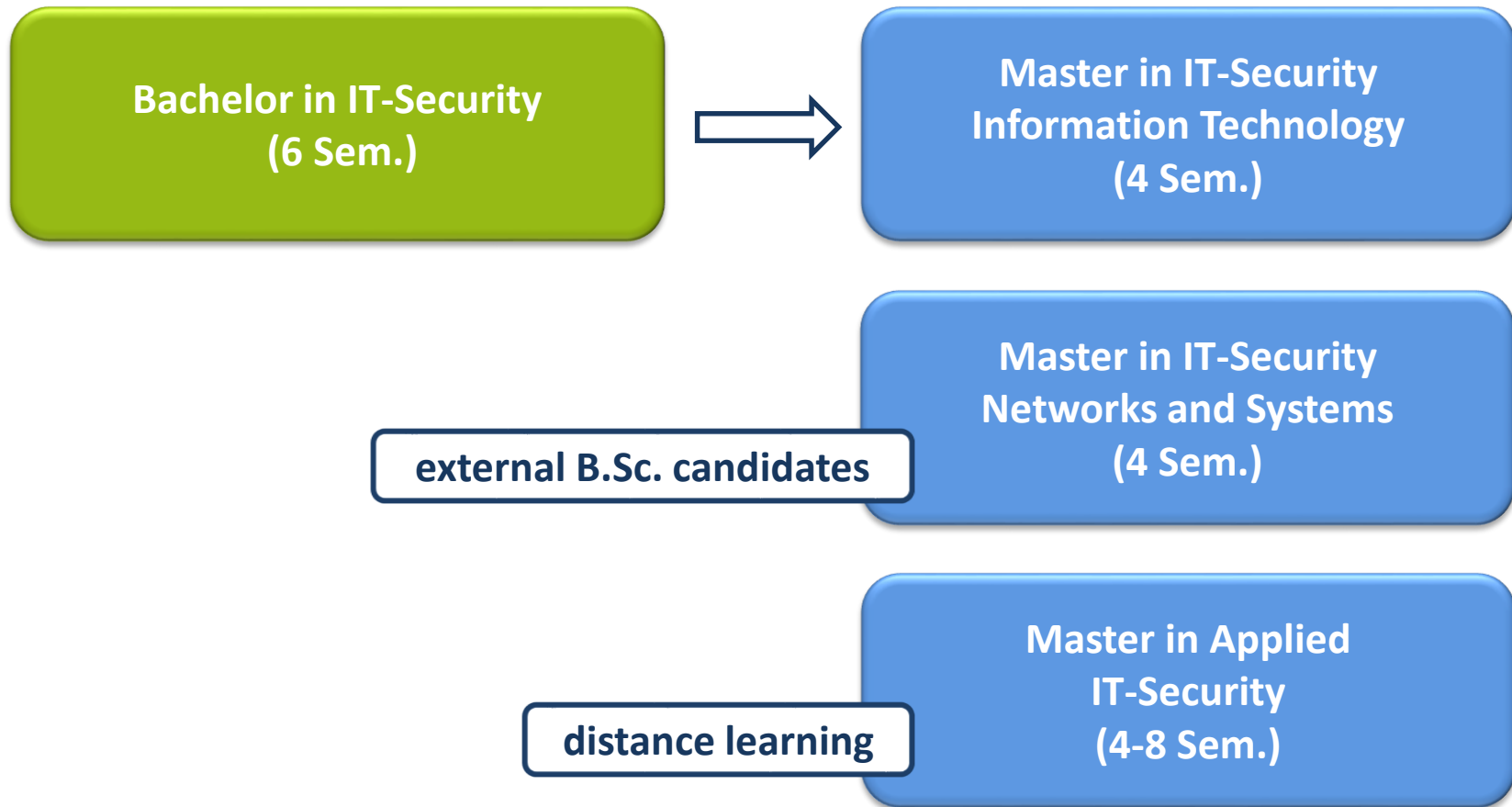
**Electrical Engineering and
Information Technology**

Mathematics

Business, Humanities, Law, Social Science

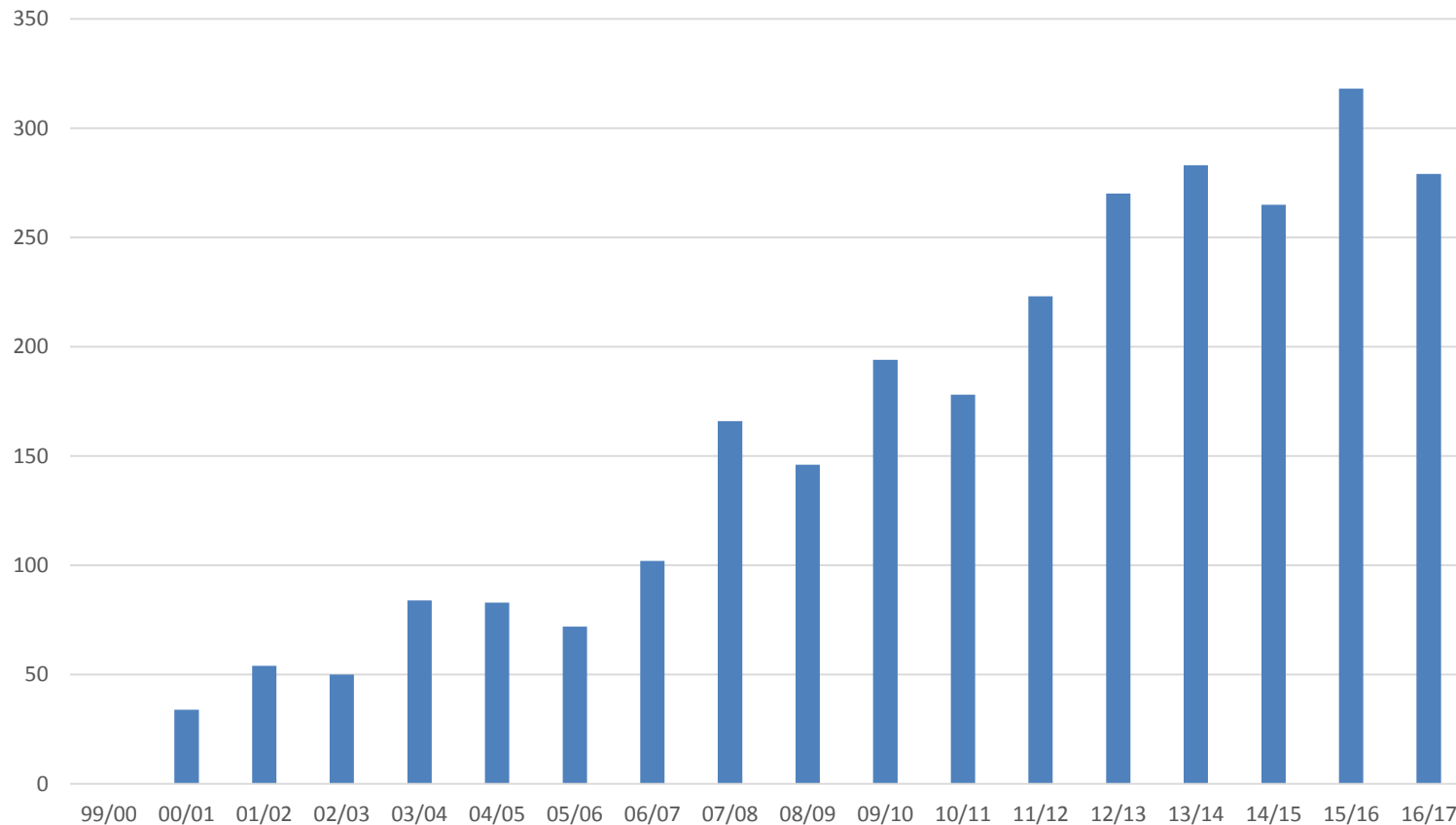
HS Bonn-Rhein-Sieg

Westfälische Hochschule



1st Year Enrollment, B.Sc. & M.Sc. IT-Security

- since 2000
- largest program in Europe
- 800 enrolled students
- 100 graduates/year



Strategic Grants

- 3 ERC grants



- Sofja Kovalevskaja Grant
(A.v. Humboldt Foundation)



- Heisenberg Professorship



- Emmy Noether Group



More than 100 industry partners



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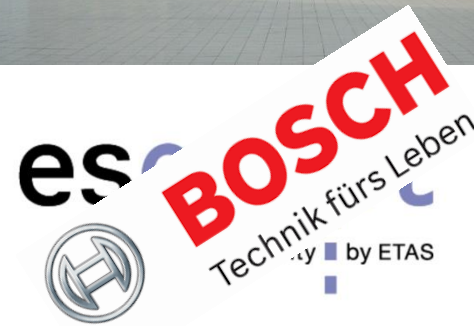
- built in 2000
- finances: EFRE (80%) + Stadt Bochum + Horst-Görtz-Foundation
- objectives
 - Technology Transfer
 - (Training in IT Security)

HGI Spin-offs

1st generation



RUB



Security spin-offs since 2007

- Cure53 (2007)
- Lastline (2011)
- Kasper & Oswald (2012)
- Hackmanit (2013)
- VMRay (2013)
- BitBuckler (2014)
- Cyber Defence (2015)
- PHYSEC (2015)
- Forthmind (2015)
- RIPS (2016)
- emproof (2016)



IKT-Gründung des Jahres 2015



Internet Defense Prize



Start-up case study

ESCRYPT – Embedded Security GmbH

- founded in 2004
- Willi Mannheims, Christof Paar
- IT security in industrial applications
 - mainly automotive nowadays
- take-over by Bosch in 2012

Thank you for your attention!

Prof. Christof Paar

