SyDe – A New Graduate School in an Excellent Setting

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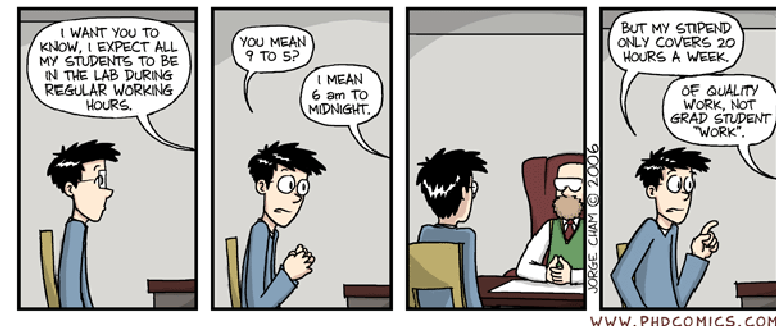
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University of Bremen, Germany

Universität Bremen

DFKI — Deutsches Forschungszentrum für Künstliche Intelligenz GmbH

DLR — Deutsches Zentrum für Luft- und Raumfahrt e.V.

Doctoral education in Germany

- Many different models exist, including the traditional one-to-one model

- Recent discussions regarding transparency and the "Doktorvater"

- Recommendations:
  - Structured programs
  - Broader education
  - Reducing the duration

Universität Bremen

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DLR Deutsches Zentrum für Luft- und Raumfahrt e.V.

German Excellence Initiative

- Funding by federal and regional governments

- Improve the international research profile of German universities

- In Bremen: excellence cluster MARUM, graduate school BIGSSS, future concept

Universität Bremen

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University of Bremen

- Mid-sized university
- 12 faculties
- 250 professors
- 19,000 students
- Six high-profile areas, including computer, cognition and communication sciences

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The perfect candidate…

- Team player
- Independent worker
- Expert
- Generalist
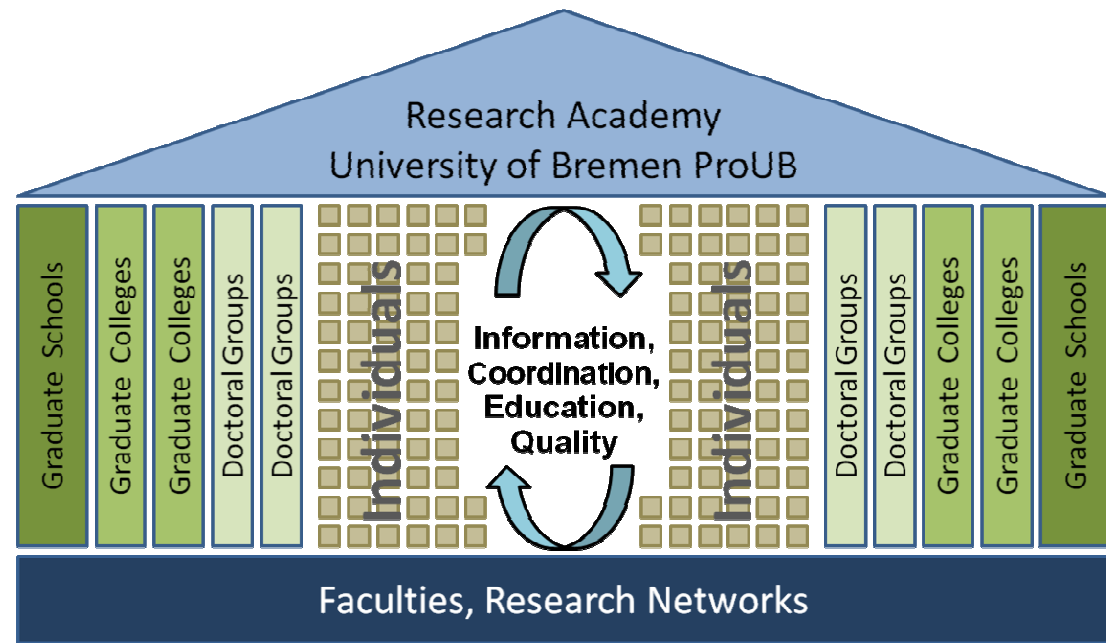- Experienced teacher
- Research manager
- …

… does not exist

But how close can we get?

Doctoral education in Bremen

- Research groups and institutes

- Graduate schools and doctoral groups

- Graduate center

Partner institutes

- Faculty for Computer Science

- German Research Center for Artificial Intelligence

- German Aerospace Center

Graduate School SyDe

- Research in system design
- Scientific curriculum
    – Seminars, courses, workshops
- Thesis committee
    – Two advisors
    – Two additional senior researchers
- Presentations and feedback on a regular basis

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Our goals

- PhD students working as full staff members
- Interdisciplinary and cooperative research
- Fair and transparent evaluation
- Early experience with publishing and on conferences