

E-Learning: Necessarily a Joint Approach



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Experiences from the Graduate School on Feedback Based Quality Management in E-Learning



GRADUIERTENKOLLEG
E-LEARNING

Contents

- What is the Graduate School on E-Learning?
- How Do We Integrate Engineering and Humanities?
- How Does this Affect Regular Higher Education?
- Conclusions

Facts About the Graduate School



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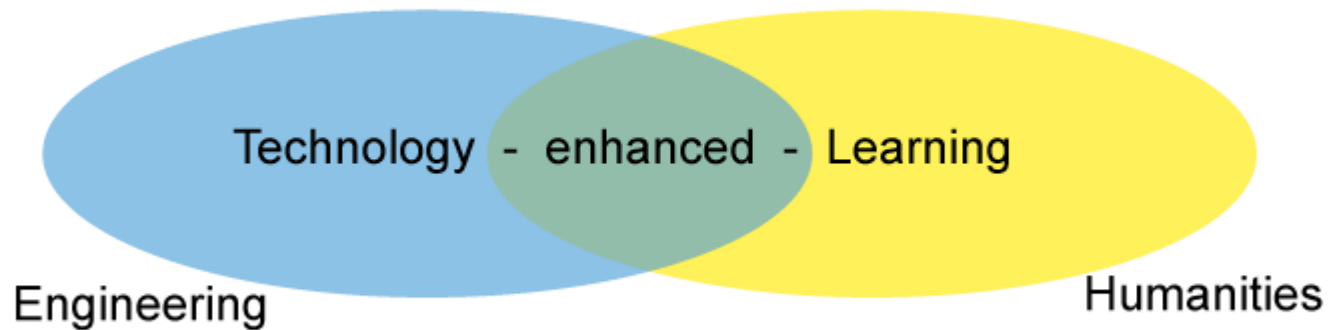
Graduate School on Feedback Based Quality Management in E-Learning

- Funded by the German Research Foundation (DFG)
- Participating Institutions at TU Darmstadt:
 - Computer Engineering
 - Pedagogics
 - Didactics of Mathematics
 - Philosophy
 - Construction Engineering
 - Psychology
 - Electrical Engineering
 - Literary Studies
- 16 postgraduate Students, 2 postdoctoral Students

E-Learning is an interdisciplinary Subject



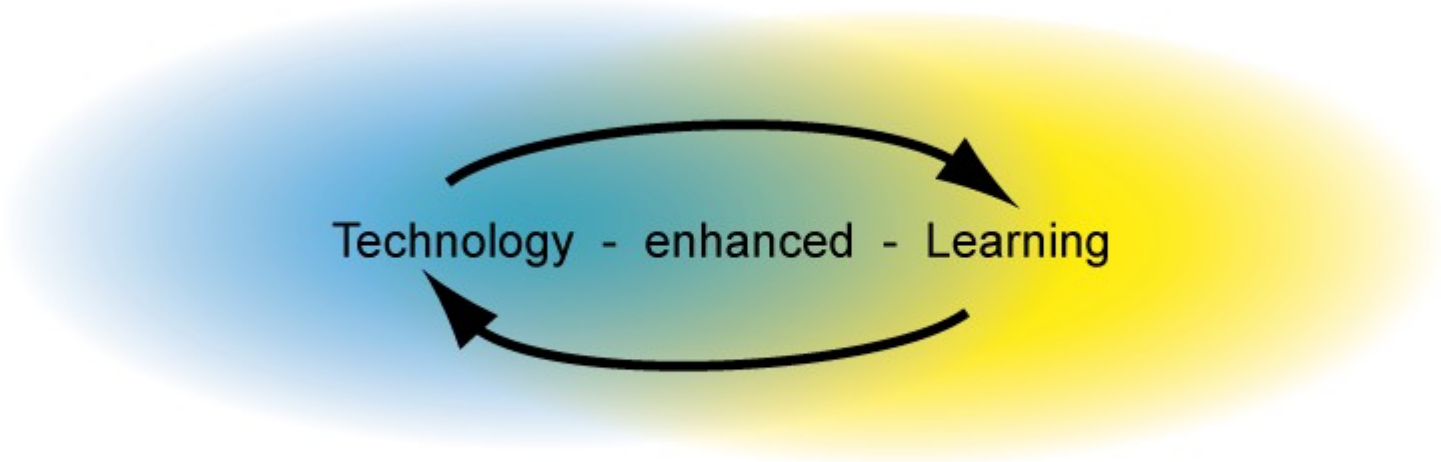
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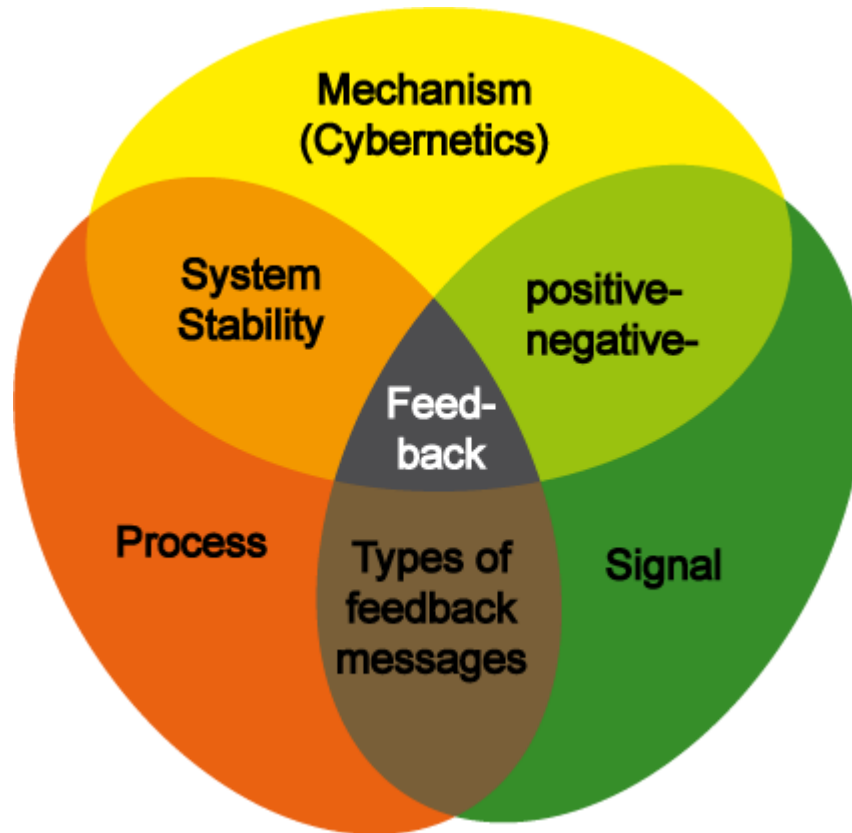


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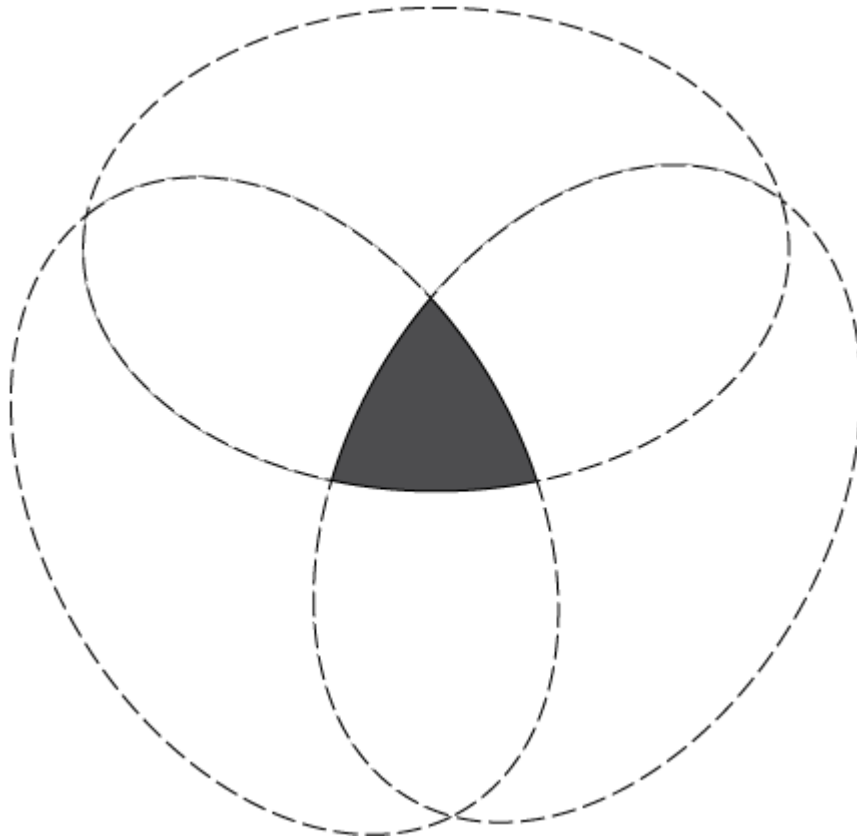
Technology - enhanced - Learning

1. A Common Frame of Reference?



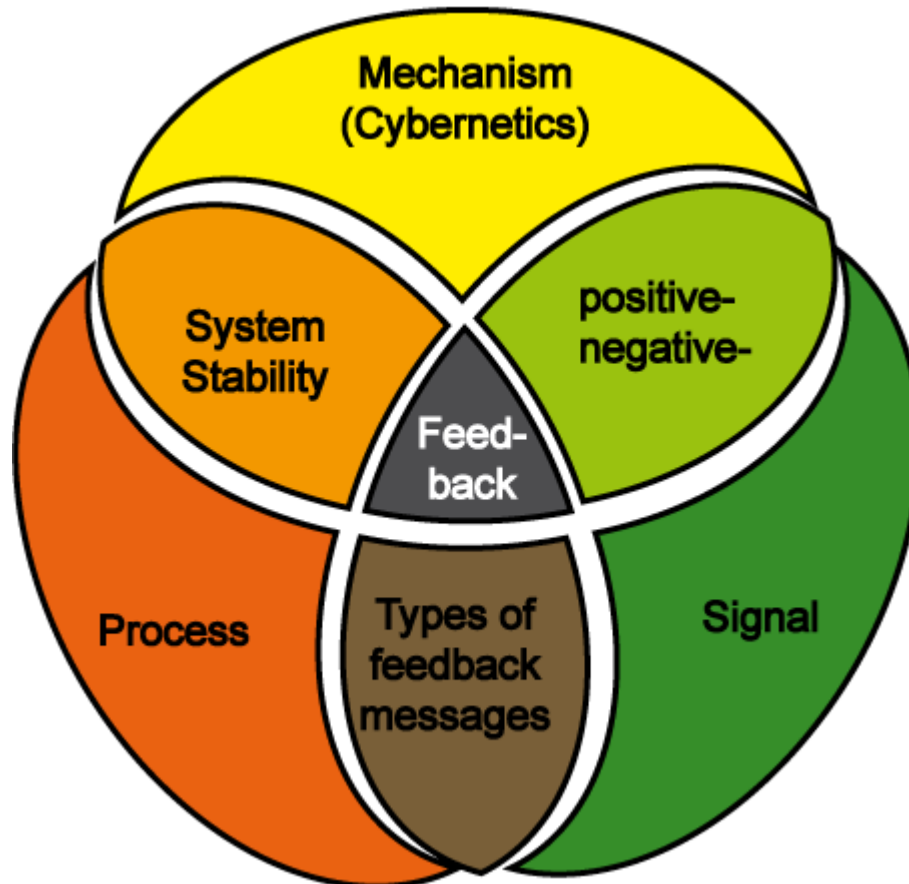
- Shared terminology does imply shared meaning.

1. A Common Frame of Reference?



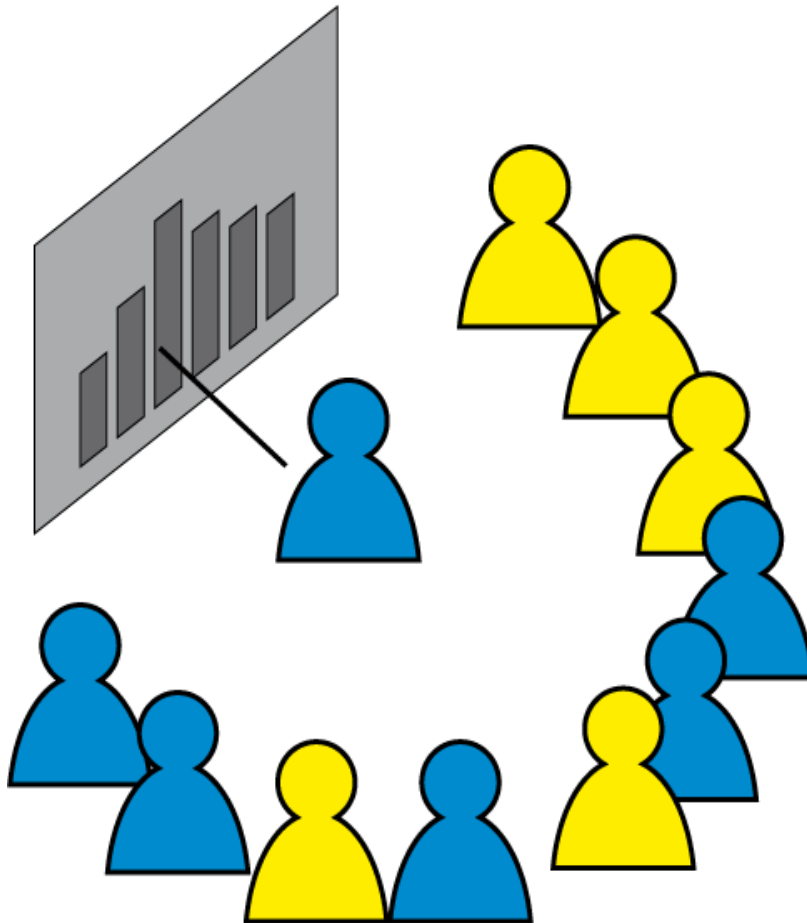
- Shared terminology does imply shared meaning.
- The intersection is not enough

1. A Common Frame of Reference?



- Shared terminology does imply shared meaning.
- The intersection is not enough
- Understanding the differences in perspective helps building a common discourse and culture.
- A well delimited common ground... that you can tread on
- Suddenly it is not an issue anymore.

2. Harness Differences in Perspectives

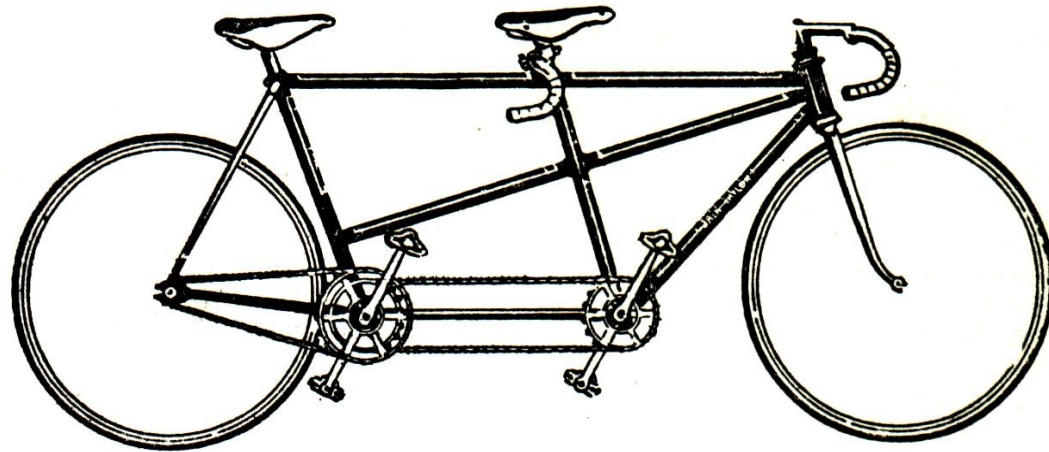


- Bi-weekly Colloquium. Graduate students present and discuss their work

Possible Pitfall:

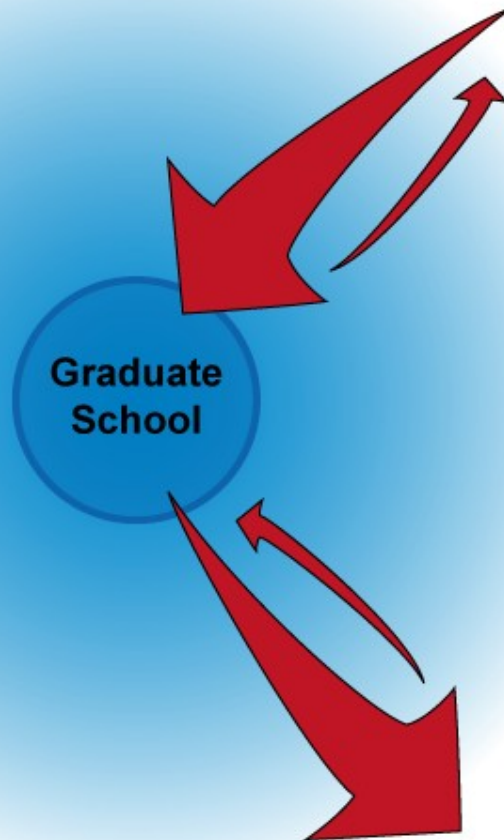
- Humanities tend to dominate the discourse!

3. Tandems: The Basic Unit of Interaction



- Two people from different disciplines working together
- Grew organically and self-organized
- Wide range of collaboration:
 - ... Common Project ... Common Concept ... Personal Discussions ...

Impact of the Graduate School on Higher Education



- Involve students in research with projects and Master Theses.
- Implementing E-Learning scenarios in university courses introduces novel E-Learning to students and fellow teachers.

Conclusions



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Interdisciplinarity is Interaction and Practice.

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- Support the Flow of Knowledge into and out of research practice.
- ECTS needs to allow for large projects that foster interdisciplinary collaboration.



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Thank you for listening!

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