

**LEHRSTUHL FÜR STEUERUNG  
INNOVATIVER UND KOMPLEXER  
TECHNISCHER SYSTEME  
DR. REBECCA MOODY**



**Education Program SS 2015**

**Seminar: Knowledge Creation and Virtual Knowledge**

**Room:** F21/03.01  
**Time:** Wednesday, 12-14 h  
**Start:** 15th of April 2015

**Description:**

This module focuses on knowledge, knowledge creation and virtual knowledge. In an increasingly complex world, the creation and possession of knowledge seems vital because it could help combating the uncertainty that comes with complexity. Yet it also has become more difficult to assess the extent to which such knowledge is actually a true representation of the world. Naturally, this is very relevant to governance of technological systems. In this module, we dissect the dynamics of knowledge and knowledge creation, how knowledge relates to the experience of uncertainty, the dimensions of big data in relation to knowledge and how knowledge and data management should be designed.

**Learning goals:**

- To describe the core-elements of knowledge and knowledge creation
- To analyze the paradoxes surrounding knowledge and uncertainty in dealing with complex technological systems
- To design the principles of a knowledge management system in a given case study

**Literature (mandatory):**

Wouters, P., Beaulieu, A., Scharnhorst, A., Wyatt, S., (eds) (2013) Virtual Knowledge. Experimenting in the Humanities and Social Sciences. Cambridge, MIT Press

**Note:**

The seminar is taught in English.

To successfully conclude the course, students will be asked to participate and to pass the final exam.

**Registration:**

Registration will be done during the first lesson.

**Speaking hours:**

Wednesday, 11:00-12:00 a.m.