

Wissensmanagement II (Knowledge Management & Industry 4.0)

Lecture and Exercise

Summer Semester 2015

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Begin: April 24, 2015

Registration: Students should register in the first lecture

Time: Fridays 10:00 – 12:00

Room: H-F-8107

Language: English / German



Knowledge Management (KM) is generally defined as an iterative, life cyclic, dynamic and systematic process which encompasses the creation, acquisition, extraction, storage, retrieval, discovery, application, review, sharing and transfer of the knowledge captured from/within knowledge-intensive business processes. The emergence of Industry 4.0 makes KM vitally important and significant for sustaining business processes by focusing on underlying aspects of human resources and technology. KM is redefined therefore as a mediator of several well established management disciplines and integrator of wide range of data providers and stakeholders. What will be the future of KM and how should we bridge between academia and industry to tailor their needs with KM systems and Knowledge Technology (KT)?

Taking the background of students in WM-I, the course of WM-II aims at elaborating and advancing their knowledge and provide them a possibility to experience and simulate a sample of KM project in the context of Industry 4.0.

Selected Literature & References:

- Bauernhansl, Th., ten Hompel, M., Vogel-Heuser, B. (Hrsg.), Industrie 4.0 in Produktion, Automatisierung und Logistik: Anwendung, Technologien, Migration, Springer, 2014.
- Leistner, F. 2010. Mastering Organizational Knowledge Flow: How to Make Knowledge Sharing Work, John Wiley & Sons, Inc., 2010.
- Maier, R. 2007. Knowledge Management Systems, Information and Communication Technologies for Knowledge Management, 3rd Edition, Springer, 2007.
- Wijnhoven, F. 2006. Knowledge Management: More than a Buzzword. [ed.] A. Jetter, et al. Knowledge Integration: The practice of Knowledge Management in small and medium enterprises, Physica Verlag-Springer, 2006, pp. 1-16.