Karlsruher Institut für Technologie

Institut für Angewandte Informatik und Formale Beschreibungsverfahren

Kolloquium Angewandte Informatik

Creating Learning Material from Web resources

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The creation and maintenance of digital learning material is time consuming and labor-intense. Educators and instructors have to invest a lot of effort and knowledge in order to design and assemble electronic courses that can be delivered to learners independently from location and time. However, experience has shown that especially in assessment situations learners are not always satisfied with the provided material in e-learning systems and rather turn to general Web resources for help.

However, searching for additional learning material on the Web might lead to distraction from the learning task and to abandonment of the assessment eventually.

Embedding appropriate Web resources on a technical and semantic level might provide a solution to this problem. In order to do so, we need to provide metadata about the content as well as of educational characteristics. Such data is essential to enable integration and interoperability of relevant material in the right context. Furthermore, we have to deliver that material in a format that makes Web-based integration also technically feasible.

In this talk we propose an approach that transforms general Web resources into so-called Linked Learning Items (LLI). These Linked Learning Items can be integrated into learning management systems (LMS) and serve as additional learning resources available to learners for studying and assisting with assignments.

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Ort: Kaiserstr. 89, 76133 Karlsruhe
Kollegiengebäude am Kronenplatz (Geb. 05.20), 1. OG, Raum 1C-04
(Hinweise für Besucher: www.aifb.kit.edu/web/Kontakt)

Veranstalter: Institut AIFB, Forschungsgruppe Information Service Engineering

Zu diesem Vortrag lädt das Institut für Angewandte Informatik und Formale Beschreibungsverfahren alle Interessierten herzlich ein.

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