

# Chapter X

## The DEKOR System: Personalization of Guided Access to Open Repositories

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### **Abstract**

*Due to the wide diversity of learning styles and learner characteristics, delivering learning material from modern ICT-based learning must also be conducted in a diverse manner rather than with a “one-fitsall” approach. By focusing on content aspects, the majority of adaptive Web-based educational systems are only able to deal with closed repositories and therefore only pre-defined content alternatives for limited learner characteristics are manageable. One possible solution is to enable and technologically support students’ freedom to select appropriate learning content of their own choice. The WWW as an extensive repository of diverse content has gained considerable interest as an open-ended learning environment, but most students cannot cope well with such open accessibility. To overcome this, the authors have started research towards a system of personalized access to open repositories. In this book chapter, they introduce the evolution of their linked approaches and discuss the findings in the context of learner characteristics.*