

Interactive-Event: Personalized e-Learning Services for the Semantic Web

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Personalization for the (Semantic) Web is still in its infancy. We are lacking flexible and re-usable personalization strategies which can be applied in various but similar contexts. One approach to overcome this problem is working towards personalization plugins: Services, which offer a certain personalization strategy, e.g. creating a guided tour, or recommending information, or annotating materials, etc. [3].

Within the Personal Reader project², we have developed a framework for designing, implementing, and maintaining *personalized* Web Content Readers³. The Personal Reader framework makes use of recent Semantic Web technologies for realizing a service-based environment for implementing and accessing personalization services. Several, distributed services - for providing the user interface, for mediating between user requests and available personalization services, for user modeling, for providing personal recommendations and context information, et cetera, form the core of the Personal Reader framework. Prototypes of Personal Readers for e-Learning have been realized for the topics “programming in Java” and “Semantic Web” [2]. An authoring component for including new courses and creating new Personal Reader instances is available and will be demonstrated at the interactive event. As a proof-of-concept of the underlying architecture of the Personal Reader framework, a Personal Reader for browsing scientific publications has been realized [1].

References

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- [2] Nicola Henze. Personal Readers: Personalized Learning Object Readers for the Semantic Web. In *12th International Conference on Artificial Intelligence in Education, AIED'05*, Amsterdam, The Netherlands, July 2005.
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²www.personal-reader.de

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