

# A Closer Look at Web Archives and Accessibility – Key Ingredients for Sustainable Digital Data Preservation

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Linking of web objects is the foundation of every internet based value creation. Despite guidelines to avoid the phenomena, we are increasingly confronted with non-resolving links, which make the so called „Link Rot“ more than just a unpleasant side effect of commonplace web browsing. Web archiving, protocols, that allow access to their objects and the implementation of user applications represent a promising model to combat link rot. Within my presentation I will provide an overview of current approaches to web archiving and present the central role of the Memento protocol. I will demonstrate how the application „Memento for Chrome“ can access archived web objects and thereby provide added value by „time travel“.



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*Martin Klein received his Diploma in Computer Science from the University of Applied Sciences Berlin (2002) and his Ph.D. in Computer Science from Old Dominion University (2011). From 2002 to 2005, he was a scientist at the University of Applied Sciences in Berlin conducting research in the realm of e Learning and mobile computing. At Old Dominion University, he was part of the Web Science and Digital Libraries Research Group and a part-time lecturer in the Computer Science Department. He currently is a Postdoctoral Research Associate at the Research Library of the Los Alamos National Laboratory. His research interests include scholarly communication, digital preservation, temporal aspects of the web, and information retrieval and extraction.*

## **The Economics of Communication Communication in Business Cycles**

*Web and Internet technologies initiated the fourth industrial revolution in less than 20 years since their entry into mainstream communication scenarios, significantly changing economics and society. Digitization and mobile technologies speed up communication and provide the tools to control value chains of ever increasing complexity, that have long crossed the limits of single organizations or countries.*

*How can information and communication technologies help to establish fair and sustainable models of global and local economies and overcome serious disadvantages of current market forces?*

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