



## Kolloquium zur Masterarbeit

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### „Comparison of Mapping Schemes to Migrate XML Data to a Relational Database“

XML files have long been used as a rotating platform for data exchange and storage on the Internet during the late 20th and early 21st centuries. However, due to the rapid growth of data and the advent of new data storage technologies, they have begun to show some shortcomings. As a result of these shortcomings, the question of how to migrate data previously stored in XML documents to new database technologies such as relational databases soon arose. Very quickly many commercial tools and algorithms were set up however these did not always present optimal solutions. The purpose of this study is to design and implement a tool for mapping XML documents into relational tables(Xmltordb) while addressing their data structure. In addition, we introduce the concept of XML and then study the different techniques for mapping XML documents into a relational database. Then we give the different tools and algorithms used during our work. Finally, we performed a performance study of our solution both in terms of execution time and data storage size.

**Dienstag, 13.09.2022, 15:00 Uhr**

**Videokonferenz: BBB**<https://webconf.tu-clausthal.de/b/ger-il2-59o-ff4>