



**ifis**

Institut für Informationssysteme  
Technische Universität Braunschweig

# Information Retrieval & Web Search Engines

---

## HW: Link Analysis

**Please note:** even though the homework assignments are optional, you are encouraged to answer them, as they will help you prepare for your final exam. Solutions can be dropped off at the institute's homework mailbox located on Informatikzentrum 2<sup>nd</sup> floor, next to room 238. Please do not forget your **Matrikelnummer** and your **full name** on your solutions. Another alternative is to send your homework by email to: [pinto@ifis.cs.tu-bs.de](mailto:pinto@ifis.cs.tu-bs.de). Please write your solutions in English. **Due date:** before next lecture (13.07.2017).

1. Explain the model of prestige in social networks.
2. Explain the random surfer model.
3. What is the motivation for using Topic-Sensitive page rank?
4. How does HITS work? What is the main difference with PageRank?