

Graduiertenkolloquium Angewandte Informatik

Using Data Mining to Facilitate User Contributions in the Social Semantic Web

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Social Web applications have emerged as powerful applications for Internet users allowing them to freely contribute content in the Web, organize and share information, and utilize the collective knowledge of others for discovering new topics, resources and new friends.

While social Web applications such as social tagging systems have many benefits, they also present several challenges due to their open and adaptive nature. The amount of user generated data can be extremely large and since there is not any controlled vocabulary or hierarchy, it can be very difficult for users to find the information that is of their interest. In addition, attackers may attempt to distort the system's adaptive behavior by inserting erroneous or misleading annotations, thus altering the way in which information is presented to legitimate users.

In this talk, we present data mining techniques to address these problems. We investigate the role of recommender systems to reduce the burden of navigating in large information spaces and to aid the user in contributing to the system. In addition, we study intelligent techniques to combat attacks against social Web application specifically social tagging systems.

Termin: Freitag, 14. Januar 2011, 14:00 Uhr

Ort: Englerstraße 11, 76131 Karlsruhe
Kollegiengebäude am Ehrenhof (Geb. 11.40), 2. OG, Raum 231
(Hinweise für Besucher: <http://www.aifb.kit.edu/web/Kontakt>)

Veranstalter: Institut AIFB, Forschungsgruppe Wissensmanagement

Zu diesem Vortrag lädt das Institut für Angewandte Informatik und Formale Beschreibungsverfahren alle Interessierten herzlich ein.

Andreas Oberweis, Hartmut Schneck, Detlef Seese, Wolffried Stucky, Rudi Studer (Org.), Stefan Tai