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MAFIA – A Mashup Fabric for Intranet Applications

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Faculty Sponsor: Chen Li



SPEAKER
Mehmet Altinel
IBM Research

MAFIA – A Mashup Fabric for Intranet Applications

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MAFIA is a lightweight enterprise data integration service where line of business users can create and catalog high value data feeds for consumption by situational applications. MAFIA is inspired by the Web 2.0 mashup phenomenon. It consists of (1) a browser-based user-interface that allows for the specification of data mashups as data flow graphs using a set of MAFIA operators, (2) a server with an execution engine, as well as (3) APIs for searching, debugging, executing and managing mashups. MAFIA offers a framework and functionality for dynamic entity resolution, streaming and other higher value features particularly important in the enterprise domain. MAFIA is currently in perpetual beta in the IBM Intranet.

In this talk, I will present the MAFIA platform, and highlight main research issues that are being investigated. If time remains, I will give a quick demo of the prototype, and talk about relevant projects that I am involved in IBM Almaden Research Center.

Biography:

Mehmet Altinel is a member of Information Management department at IBM Almaden Research Center. Since he joined the department in 2001, he worked on numerous projects on database caching, database-integrated messaging systems, unified repository models for structured and unstructured data, and data management on the web. His research interests include databases, large-scale distributed database systems, data streams, dissemination, and data management problems on the web,