

Recent Advances in Information Access at Thomson Reuters R&D: News and Beyond

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Abstract

In this talk, I report on some recent advances of the Corporate R&D group at Thomson Reuters. Thomson Reuters is divided into the business areas News, Legal, Financial & Risk, Tax & Accounting, IP & Science. In the realm of news, the news recommender system NewsPlus and the real-time Twitter rumor detection tool for journalists, REUTERS Tracer, are discussed. From the area of pharma within IP & Science, I review work on adverse events associated with medical drugs, as mined from Twitter and used for drug repositioning. From the area of law, I report on the advanced search engine technology that powers the Westlaw search engine. From the area of Financial & Risk, I present risk mining, a technique for computer-supported risk identification framed as a relation classification task. Last but not least I conclude with some observed challenges and lessons learned. I conclude with a series of challenges and needs for the news industry.

Biography

Dr. Jochen Leidner is currently Director of Research at Thomson Reuters, where he heads the London (UK) R&D site, which he established. He has worked in many areas including information extraction from legal, news and financial documents, search engine technology and its application to legal information retrieval, automated proofing support for contracts, sentiment analysis, rule based systems, citation analysis and social media.

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