# SmartMedia Program

**Released Datasets**

**News**

## INRA 2018

6th International Workshop on News Recommendation and Analytics will be held in conjunction with CIKM 2018 in Turin, Italy.

http://research.idi.ntnu.no/inra/

## NOBIDS 2017 Proceedings

The proceedings of the 3rd Norwegian Big Data Symposium is now available online: http://ceur-ws.org/Vol-2041/

## NOBIDS 2017

3rd Norwegian Big Data Symposium will be held in Trondheim in 14 November 2017. For more details: NOBIDS

## ADRESSA Dataset v1 is released

The first version of the Adressa dataset is available online here (1,3 GB).

For more information about the dataset please refer to:

Gulla, Jon Atle, et al. "The Adressa dataset for news recommendation." *Proceedings of the International Conference on Web Intelligence*. ACM, 2017.
**For more information about our datasets:**
*http://reclab.idi.ntnu.no/dataset/*

Mobile news recommender systems help users retrieve news that is relevant in their particular context and can be presented in ways that require minimal user interaction. In spite of the availability of contextual information about mobile users, though, current mobile news applications employ rather simple strategies for news recommendation. Our multi-perspective approach unifies temporal, locational, and preferential information to provide a more fine grained recommendation strategy.

The NTNU Smartmedia program at the Department of Computer and Information Science, Norwegian University of Science and Technology, was established in 2012 in close collaboration with the Scandinavian media industry. As the industry is addressing the abundance of news and information in general from news agencies and social sites, as well as open data from public and private institutions, it has become paramount to develop architectures and technologies for large-scale realtime data processing. The intention of Smartmedia is to look into new technologies that may help the companies and their journalists deal with the explosion of online information and present news more efficiently and attractively to readers. Central to this program are technologies like:

- Big Data architectures
- Information retrieval and recommendation
- Semantics
- Text analytics and sentiment analysis
- Mobile platforms


Currently, we run the project REX - Recommendation Technologies for Online News Streams. REX receives the financial support from Research Council of Norway, Adresseavisen ASA and Cxense with a total budget around 4.7 million Euro.

The main objective in the REX project is to develop next generation's news recommendation for online news streams. The approach in REX combines news articles' underlying semantics with large-scale analysis of heterogeneous user data. Linked open data is used to disambiguate and enrich entities recognized in news articles and relate them to extensive user profiles that are continuously updated on the basis of users' interaction with the system. One of the largest media houses in Norway, Polaris Media, is the project owner, while most of the work on the recommender system itself is done by Cxense, a software company developing and selling user profiling and news recommendation services to the media industry all over the world.

Questions about the Smartmedia program can be directed to Prof. Jon Atle Gulla.

Facebook page: https://www.facebook.com/SmartMediaNews/