

# **NoSQL Now! Conference will feature Dr. Jans Aasman, CEO of Franz Inc.**

**OAKLAND, Calif. – May 15, 2014** – Franz Inc.'s CEO, Dr. Jans Aasman, will be a featured speaker at the 2014 NoSQL Now! conference this August in San Jose, CA. The fourth annual NoSQL Now! Conference is the largest vendor-neutral forum focused on NoSQL (Not Only SQL) technologies. The conference is intended for every enterprise looking for better, faster and cheaper solutions to manage its growing databases and data stores.

## **Enhancing Hadoop for GeoTemporal Graph Analytics Time**

Data relationships play a vital role in various forms of data analytics, structured machine learning, and data mining applications. Data architects have begun to realize these relationships are more naturally expressed as "Graphs". We discuss how Graph Databases for enhanced analytics have become an integral part of the Hadoop technology stack.

Hadoop provides a well established framework for the distributed processing of large data sets across clusters of computers using simple programming models. However, Processing large graphs in a distributed computing environment presents multiple system-level challenges, from parallelizing the graph construction algorithms to achieving balanced system utilization. In addition, the resultant graph must be carefully partitioned to ensure that subsequent application processing is properly balanced.

Recognizing these challenges around Hadoop, Intel recently released "GraphBuilder". GraphBuilder is a Java library for constructing graphs out of large datasets for data analytics and structured machine learning applications that exploit

relationships in data. The library offloads many of the complexities of graph construction, such as graph formation, tabulation, compression, transformation, partitioning, output formatting, and serialization.

We'll discuss a number of use cases that use Graphbuilder to extract graphs from Hadoop into a Graph Database and perform complex graph analytics. The use cases are in the domain of life sciences, fraud detection in on-line banking and risk mitigation in the construction industry.

### **About Dr. Aasman**

Jans Aasman started his career as an experimental and cognitive psychologist, earning his PhD in cognitive science with a detailed model of car driver behavior using Lisp and Soar. He has spent most of his professional life in telecommunications research, specializing in intelligent user interfaces and applied artificial intelligence projects. From 1995 to 2004, he was also a part-time professor in the Industrial Design department of the Technical University of Delft. Jans is currently the CEO of Franz Inc., the leading supplier of commercial, persistent, and scalable RDF database products that provide the storage layer for powerful reasoning and ontology modeling capabilities for Semantic Web applications.

#### **Accomplishments:**

Dr. Aasman has gained notoriety as a conference speaker at such events as Semantic Technologies Conference, International Semantic Web Conference, Java One, Enterprise Data World, Semantics in Healthcare and Life Sciences, Linked Data Planet, INSA, GeoWeb, AAI, NoSQLNow, Graph Data Management, RuleML, IEEE conferences, and DEBS to name a few.

## **About Franz Inc.**

Franz Inc. is an innovative technology company with expert knowledge in developing and deploying Graph Search solutions. AllegroGraph, Franz's high-performance, transactional, and scalable Graph Database, provides the solid storage layer for powerful Enterprise grade NoSQL solutions. Franz's products and Professional Services are uniquely positioned to help bring your complex ideas to reality.

AllegroGraph's Activity Recognition capabilities provides a powerful means to aggregate and analyze data about individual and organizational behaviors, preferences, relationships, plus spatial and temporal linkages between individuals and groups. Franz customers include Fortune 500 companies in the government, life sciences and telecommunications industries.

For additional Franz Inc customer success stories please visit:

- AllegroGraph – <http://franz.com/agraph/success/>
- Allegro CL – <http://franz.com/success/>
- Allegro NFS – <http://nfsforwindows.com/customers>

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