

select Review



Michael Stonebraker, Michael L. Brodie and Werner Vogels (from left to right)

Yesterday's **keynote** *Data Access Patterns in the Amazon.com Technology Platform* by Dr. **Werner Vogels** (VP and CTO at Amazon.com) concentrated on data access patterns for future scalable systems. The roles of dominant factors such as state management, "one-size-does-not-fit-all" strategy and the effect of cost on scalable system architecture were highlighted. The aspects of scalability, availability, consistency, efficiency, management and performance lead to a single possible option: Custom solutions with incremental scalability. Vogels stressed that, initiated by lower prices, a feedback loop between customers, site traffic, sellers, low cost structures and diversity of selection possibilities leads to constant growth.

The very inspiring talk *The End of an Architectural Era (It's Time for a Complete Rewrite)* by Dr. **Michael Stonebraker** (CTO at StreamBase Systems Inc.) concerned the current state of commercially available RDBMS' OLTP capability in the context of abundance of low priced and high-end resources that are not fully exploit-

ed as yet. Their effective use would invalidate many architectural considerations such as locking-based concurrency control, log-based recovery, multithreading to hide latency and disk-based OLTP. Benchmark comparisons with a new OLTP prototype H-Store suggest the redesign of the DBMS for specific application areas can bring enormous performance benefits.

In the final **invited industrial talk** *Computer Science 2.0, A New World of Data Management*, Dr. **Michael L. Brodie** (Chief Scientist, Verizon Communications) highlighted many problems resulting from to a multitude of heterogeneous sources generating huge volumes of data rendering the present day's DBMS unable to do the job. The need to exploit Semantic Technologies for solving these problems was advocated.

In addition to the invited talks, there were very interesting research sessions, tutorials and system demonstration covering various areas including privacy, novel architectures and secure data outsourcing, just to name a few.

select Preview

Today's main event in the morning is the **keynote** *Technology for Developing Regions* by Prof. **Eric A. Brewer** in Auditorium Maximum. The talk will focus on the technical excellence of ICT solutions which are available at a very low cost. In addition, their possible exploitation for improving the quality of life for billions of people in developing and under developed regions will be highlighted. The discussion about the role of database researchers in this context would be interesting to witness.



Keynote Speaker:
Prof. Eric A. Brewer,
University of California
at Berkeley

The **Best Conference Paper** *Scalable Semantic Web Data Management Using Vertical Partitioning* by **Daniel Abadi et al.** (MIT) will be presented in Room 28, 11:00-13:00. There will be also an insightful **Panel Discussion** with the title *Performance Evaluation and Experimental Assessment: Conscience or Curse of Database Research?* in Room 33, 14:30-16:00. The **Industrial Session** on Data Streams includes exciting presentations by researchers from Google Inc., Oracle Corp., and IBM Watson Research Center in Room 28, 16:30-18:00. In parallel, there will be interesting system demonstrations in the Small Ceremonial Hall.

At 19:00 there will be the **Conference Banquet** in the **City Hall** of Vienna which is just a two minutes walk away from the university.

select **Today's Program**

	Room 28	Room 7	Room 31	Room 32	Room 33	Small Ceremonial Hall
09:00-10:30	Keynote 2 Technology for Developing Regions, Eric A. Brewer, University of California at Berkeley (Location: Auditorium Maximum)					
10:30-11:00	Coffee Break					
11:00-13:00	Research 10 Web Data Management and Search	Tutorial 5 Regulatory Compliant Data Management	Research 11 Time-Series Data Mining	Research 12 Top-k Queries and Ranking I	Research 13 Private and Secure Databases	
13:00-14:30	Lunch Break					
14:30-16:00	Research 14 Spatial Databases	Tutorial 6 Probabilistic Graphical Models and their Role in Databases (Part I)	Research 15 Business and Web Services	Research 16 Information Integration I	Panel 1 Performance Evaluation and Experimental Assessment (...)	Demo Group 3
16:00-16:30	Coffee Break					
16:30-18:00	Industrial 3 Data Streams	Tutorial 6 Probabilistic Graphical Models and their Role in Databases (Part II)	Research 17 Information Integration II	Research 18 Query Processing	Tutorial 7 XML retrieval: db/ir in theory, web in practice	Demo Group 1
18:00-19:00	Break					
19:00-22:00	Conference Banquet (Location: City Hall)					

select **Sights**

The Vienna State Opera is one of the leading opera houses in the world and offers a very diverse nature of programs nearly year-round. It has always been a great pleasure for top musicians and directors to present their art to knowledgeable and discerning Viennese audiences. The building itself was erected between 1863 and 1869. It has a central tract with a huge loggia, a set of wings, a domed roof over the stairs, an auditorium and a stage. Significant details of the building are the loggia, with its allegories in the arcades, the wall paintings and the imposing staircase with the marble statues repre-

senting the seven liberal arts. The **main shopping streets** close to the Vienna State Opera are Kärntnerstrasse and Graben, which intersect and play host to everything from upmarket department stores to chocolate shops and cafes. **How to get there:** Take the underground U2 from Schottenring to Karlsplatz.

select **Insider's Info**

www.wienerriesenrad.com

The **logo of the conference** is inspired by the famous **Great Ferris Wheel of Vienna (Wiener Riesenrad)**, a distinctive landmark of the city, which is located in the Prater. It has been built in 1897 to mark the 50th jubilee of the emperor Kaiser Franz Josef I.

select **Weather****Today**

LO: 11 °C
HI: 16 °C

Cloudy and rain in the late afternoon.

Tomorrow

LO: 13 °C
HI: 16 °C

Partly cloudy and rain is possible.

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Local Organization Chair
Dr.-Karl-Lueger-Ring 1
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where**Chief editor =**

Christian Hassler

Editors =

Majid Iqbal, Shuaib Karim,
Khalid Latif and
Nick Tahamtan

Layout =

Simone Kriglstein

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Vienna State Opera