

# 2005 DOLAP Advance Workshop Program

## Day 1: Friday November 4, 2005

### **Registration: 8:00am–15:00am**

9:00 am – 9:15a.m. Welcome and Opening  
*Juan Trujillo* (University of Alicante)

### **9:15 am –10:15am Session 1: Querying OLAP Databases**

*Session Chair: Alkis Simitsis (NTU, Greece)*

Modeling, Querying and Reasoning about OLAP Databases: a Functional Approach  
Ken Q. Pu (University of Toronto, Canada)

A Personalization Framework for OLAP Queries

Ladjet Bellatreche, Arnaud Giacometti, Dominique Laurent, Patrick Marcel, and Hassina Mouloudi (LISI/ENSMA, University of Francois-Rabelais de Tours, University of Cergy-Pontoise, France)

### **Coffee Break: 10:15am-10:30am**

### **10:30am-12:00am- Session 2: Data Warehouse Models**

*Session Chair: Stefano Rizzi (University of Bolgnia, Italy)*

A Relevance-Extended Multi-dimensional Model for a Data Warehouse Contextualized with Documents

Juan Manuel Pérez Martínez, Rafael Berlanga LLavori, María José Aramburu Cabo, Torben Bach Pedersen (University Jaume I, Spain and Aalborg University, Denmark)

Dimensional Modeling: Identifying, Classifying, and Applying Patterns

Mary Elizabeth “M.E.” Jones, Il-Yeol Song (Drexel University, USA)

Towards a Spatial Multidimensional Model

S. Bimonte, A. Tchounikine, M. Miquel (Laboratoire d’Informatique en Images et Systemes diinformation, France)

### **Lunch Break: 12:00am-2:00pm**

### **2:00pm–3:00pm Session 3: Data Warehouse Design (I)**

*Session Chair: Mary Elizabeth “M.E.” Jones (Drexel University, USA)*

Goal-Oriented Requirement Analysis for Data Warehouse Design

Paolo Giorgini, Stefano Rizzi, Magdalena Garzetti (University of Trento, University of Bologna, Italy)

Applying MDA to the Development of Data Warehouses

Jose-Norberto Mazón, Juan Trujillo, Manuel Serrano, Mario Piattini (University of Alicante and University of Castilla-La Mancha, Spain)

### **Coffee Break: 3:00pm–3:30pm**

### **3:30pm–4:30pm Session 4: Data Warehouse Design (II)**

*Session Chair: Juan Trujillo (University of Alicante, Spain)*

Mapping Conceptual to Logical Models for ETL Processes

Alkis Simitsis (National Technical University of Athens, Greece)

Sense & Response Service Architecture (SARESA): An Approach Towards a Real-time Business Intelligence Solution and Its Use for a Fraud Detection Application

Tho Manh Nguyen, Josef Schiefer, A Min Tjoa (Vienna University of Technology, Austria)

### **4:30-5:00 Steering Committee meeting**

## **Day 2: Saturday November 5, 2004**

### **9:00am–10:15am Session 5: Keynote Address**

**Title: My favorite issues in data warehouse modeling**

**Speaker: Jens Lechtenbörger** (*University of Münster, Germany*)

*Session Chair: Juan Trujillo (University of Alicante, Spain)*

### **Coffee Break: 10:15am-10:30am**

### **10:30 – 12:00: Session 6: Query Processing and View Maintenance**

*Session Chair: Jens Lechtenbörger (University of Münster, Germany)*

Parallel Querying of ROLAP Cubes in the Presence of Hierarchies

Frank Dehne, Todd Eavis, Andrew Rau-Chaplin (Carleton University, Concordia University, Dalhousie University, Canada)

Providing Probabilistically-Bounded Approximate Answers to Non-Holistic Aggregate Range Queries in OLAP

Alfredo Cuzzocrea (University of Calabria, Italy)

Optimizing the Incremental Maintenance of Multiple Join Views

Ki Yong Lee, Myoung Ho Kim (Dept. of Electrical Engineering and Computer Science, Korea Advanced Institute of Science and Technology – KAIST, Korea)

**Lunch Break: 12:00am-1:30pm**

**1:30pm–2:30pm**      **Session 7: Panel Discussion: New challenges in data warehouses**  
*Session Chair: Juan Trujillo (University of Alicante, Spain)*

**Discussion and Closing Remarks 2.30pm – 3.00pm**

**Coffee Break: 3:00pm–3:30pm**