

Call for Participation and Workshop Agenda

September 22, 2005, 9:00 a.m. – 5.30 p.m.

<http://www.deri.at/events/workshops/prodis2005/>

Workshop Background and Objectives:

So far, e-business models and the deployment of respective e-business applications have not been as successful as widely expected, with e-marketplaces and e-procurement being prominent examples. It can be observed that one major obstacle is the insufficient degree of reliable mechanization in the exchange and integration of product-related content between business partners. For both suppliers and buyers, product-related data is the foundation for a multiplicity of processes along the life-cycle of a product, ranging from product design and construction to sales and procurement, and ending with the proper disposal. Traditionally, product data mostly resides in intra-organizational systems, especially ERP, product data management (PDM), and, more recently, product life-cycle management (PLM) systems. The exchange of such data is widely organized in bulk data transfer cycles, often requiring manual tasks at both ends. This is costly, creates inconsistent data due to human error and delayed processing, limits the timely availability of current data for decision making, and in general hampers the success of inter-organizational business integration.

While there has been a lot of research on the ontological aspects of product data as well as on the importance of industry standards, a comprehensive and consensual understanding of the problem domain and its multiple facets is still lacking among information systems researchers, computer scientists, and domain experts. There are numerous important issues that have to be explored regarding the modeling, integration, harmonization and standardization of product-related data, both on an intra- and interorganizational scale, as well as in terms of design, implementation, integration, deployment and assessment of respective information systems. Further progress in this field will be necessary to help manage the exchange, integration, and processing of such data in an automated manner between multiple different business entities and systems.

This workshop aims at providing a forum for researchers and practitioners in this field for both research in progress and final results with regard to innovative approaches, models, concepts, and solutions that address the key role of product-related data in information systems.

Workshop Organizers:

- Dieter Fensel (DERI, Austria)
- Martin Hepp (DERI, Austria)
- Joerg Leukel (University of Duisburg-Essen, Germany)
- Volker Schmitz (University of Duisburg-Essen, Germany)

Program Committee:

- Hans Akkermans (Vrije Universiteit Amsterdam, Netherlands)
- Martin Bichler (Technical University of Munich, Germany)
- Chris Bussler (DERI, Ireland)
- Oscar Corcho (ISOCO, Spain)
- Ying Ding (DERI, Austria)
- Frank-Dieter Dorloff (University of Duisburg-Essen, Germany)
- Bruno de Vuyst (Vrije Universiteit Brussel, Belgium)
- Tommaso Di Noia (Politecnico di Bari, Italy)
- Ying Ding (DERI, Austria)
- Alea Fairchild (Universiteit van Tilburg, Netherlands)
- Doug Foxvog (DERI, Ireland)
- Jingzhi Guo (Griffith University, Australia)
- Juhnyoung Lee (IBM Research, USA)
- Sang-goo Lee (Seoul National University, Korea)
- Wee Keong Ng (Nanyang Technological University, Singapore)
- Guy Pierra (LISI/ENSMA, France)
- Axel Polleres (DERI, Austria)
- Wolfgang Wilkes (University of Hagen, Germany)
- Yuxiao Zhao (Linköping University, Sweden)

Relevant topics include, but are not limited to:

- Product-related content integration in e-business
- Product data quality and interoperability
- Modeling, design, maintenance, and versioning of product-related data
- Product ontologies and ontological aspects of product-related data
- Product data and product life-cycle management
- Cases and tools for managing product-related data
- Product data and related e-business standards
- Product models for configuration, pricing and services

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Workshop Agenda:

09:00 - 10:30 a.m. Session 1

Introduction (Martin Hepp, Jörg Leukel)

Wolfgang Wilkes: *Networking among product ontologies: The standard ISO13584 - PLIB and related developments* (invited)

Thomas Kirsche, Gerhard Baumann, and Anja Schanzenberger: *Alignment of Product Master Data*

10:30 - 11:00 a.m. Coffee break

11:00 - 12:30 a.m. Session 2

Sven Abels and Axel Hahn: *Facing the product reclassification challenge*

Michael Schermann, Tilo Böhmann, and Helmut Krcmar: *Toward a Reuse of Product Related Concepts for Service Data Management – an Ontology Approach*

12:30 - 2:00 p.m. Lunch break

2:00 - 3:30 p.m. Plenary

Topic: „Research Challenges in Products and Service Representation in Information Systems“

3:30 - 4:00 p.m. Coffee break

4:00 - 5:30 p.m. Poster session

Poster presentation requires advance submission of a (small!) PDF version of the poster by e-mail to

martin.hepp@deri.org

no later than August 31, 2005.

Posters will not be peer-reviewed. However, the organizing committee reserves the right to accept only selected posters in case of capacity constraints.

Registration:

Participation in the PRODIS 2005 workshop requires registration for the INFORMATIK 2005 conference. Online registration will be provided at <http://www.informatik2005.de> soon.

Proceedings:

All accepted papers will be published in "Lecture Notes in Informatics" (LNI) by the German Informatics Society. LNI is indexed by DBLP and has a high visibility throughout Europe. The proceedings will be available on-site.

Logistics:

The workshop will take place in the main building of the University of Bonn,
Regina-Pacis-Weg
D - 53113 Bonn
Germany.

The final room allocations are not yet available, but we expect to hold PRODIS 2005 in Hoersaal V (Lecture hall 5). A virtual map and travel directions can be found at

<http://www.uni-bonn.de/en/Service.html>

More information on the venue, registration, hotels, and related events will be available at www.informatik2005.de.

In addition, we will provide detailed, all English information on the workshop website at

<http://www.deri.at/events/workshops/prodis2005>

Contact:

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Workshop URL:

<http://www.deri.at/events/workshops/prodis2005/>

Important Dates:

2005-06-24 Camera-ready versions due
2005-08-31 PDF-versions of posters due
2005-09-22 Workshop