

## Call for Papers

<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.

We especially invite contributions that help integrate the multiple research communities in information systems and knowledge representation, and product domain experts. We also seek papers on the current state and possible further

directions of product-related standards on all levels of standardization.

### Possible 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
- Standards for product classification and description
- Product data and product life-cycle management
- Product dictionaries and properties
- Cases and tools for managing product-related data
- Product data and related e-business standards
- Product data and ERP systems
- Dissemination and acceptance of product-related standards
- Product data in electronic catalogs
- Multilingual catalogs
- Concepts and mechanisms for distributed product catalogs
- Product models for configuration, pricing and services
- Usage of product data for spend analysis

### Important Dates:

2005-04-29	Submission of papers
2005-05-27	Notification of acceptance
2005-06-24	Camera-ready versions due
2005-09-xx	Workshop

### Submission:

Authors are invited to submit original research contributions in English, following the LNI format ([www.gi-ev.de/LNI/autorenrichtlinien/guidelines.pdf](http://www.gi-ev.de/LNI/autorenrichtlinien/guidelines.pdf)). Papers must not exceed 5 pages. Submitted papers will be reviewed by at least two members of the program committee. 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. Please send your submissions in PDF format to [martin.hepp@deri.org](mailto:martin.hepp@deri.org).

For accepted submissions, at least one author must register for the conference in order for the paper to appear in the proceedings and to be scheduled in the workshop program.

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### Workshop Co-chairs:

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

### Program Committee (tentative):

- Hans Akkermans (Vrije Universiteit Amsterdam, Netherlands)
- Martin Bichler (Technical University of Munich, Germany)
- Chris Bussler (DERI, Ireland)
- Oscar Corcho (ISOCO, Spain)
- 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)
- Axel Polleres (DERI, Austria)
- Yuxiao Zhao (Linköping University, Sweden)

Confirmation of additional PC members is pending.  
For an updated version of the PC, please check the workshop website.

Participating in the PRODIS 2005 workshop requires registration for the INFORMATIK 2005 conference. More information on the venue, registration, hotels, and related events will be available at [www.informatik2005.de](http://www.informatik2005.de). In addition, we will provide detailed, all English information on the workshop website at

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

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