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Institut für Softwaretechnik  
und Interaktive Systeme

## Einladung zum WIT-Kolloquium

Das Wissenschaftlerinnenkolleg Internettechnologien der Fakultät für Informatik der TU Wien lädt gemeinsam mit der Österreichischen Computer Gesellschaft zu folgendem Vortrag ein:

### Semantic Web Services: A new infrastructure for eWork and eCommerce

#### Prof. Dr. Dieter Fensel Universität Innsbruck

Datum: Montag, 21. Juni 2004  
17:00- 18:00+

Ort: TU Wien, Neues Elektrotechnisches Instituts-  
gebäude, 1040 Wien, Gußhausstraße 27-29,  
EI 9, Erdgeschoss



#### Zum Vortrag

Tim Berners-Lee referred to the future of the current WWW as the "Semantic Web" - an extended Web of machine-readable information and automated services that extend far beyond current capabilities. The explicit representation of the semantics underlying data, programs, pages, and other Web resources, will enable a knowledge-based Web that provides a qualitatively new level of service. Automated services will improve in their capacity to assist humans in achieving their goals by "understanding" more of the content on the Web, and thus providing more accurate filtering, categorization, and searches of information sources. This process will ultimately lead to an extremely knowledgeable system that features various specialized reasoning services. Examples include both business applications, such as automated procurement and supply chain management, but also non-commercial applications as well as military applications. Web services can be completely decentralized and distributed over the Internet and accessed by a wide variety of communication devices. Organizations can be released from the burden of complex, slow and expensive software integration and focus instead on the value of their offerings and mission critical tasks.

The dynamic enterprise and dynamic value chains would become achievable and may be even mandatory for competitive advantage. These services will support us in nearly all aspects of our daily life - making access to information as pervasive and necessary, as access to electricity is today.

#### Zur Person

Prof. Dr. Dieter Fensel (1960) obtained in 1989 a Diploma in Social Science at the Free University of Berlin and a Diploma in Computer Science at the Technical University of Berlin. In 1993 he was awarded a Doctor's degree in economic science (Dr. rer. pol.) at the University of Karlsruhe and in 1998 he received his Habilitation in Applied Computer Science. He was working at the University of Karlsruhe (AIFB), the University of Amsterdam (UvA), and the Vrije Universiteit Amsterdam (VU). In 2002, he took a chair at the University of Innsbruck, Austria. In 2003 he became the scientific director of the Digital Enterprise Research Institute (DERI) at the National University of Ireland, Galway, based on a large grant acquired from Science Foundation Ireland (SFI). His current research interests include Ontologies, semantic web, web services, knowledge management, enterprise application integration, and electronic commerce. More details: [www.fensel.com](http://www.fensel.com)

#### Kontaktperson an der TU Wien

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#### Unterstützung

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#### Anmeldung

Wir bitten um Anmeldung unter <http://wit.tuwien.ac.at/events>.

#### Hinweise

Die Teilnahme ist kostenlos. Im Anschluss an den Vortrag gibt es bei Käse und Wein die Gelegenheit zum informellen Meinungsaustausch.



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