



## **Seminar IT Standardisierung (1, 2) (SoSe 2007) 19565**

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<http://www.robert-tolksdorf.de>

- Standardisierung ist für IT-Technologien ein relevanter Aspekt. Sie hilft Technologieanbietern indem sie die Voraussetzung für das Entstehen von Netzwerkeffekten schafft und sie hilft Anwendern durch Investitionsschutz. IT-Technologien werden auf vielfältige Weise in unterschiedlichsten Organisationen in unterschiedlichsten Prozessen standardisiert und normiert.
- In dem Seminar wollen wir relevante Standardisierungsorganisation im Hinblick auf ihre Arbeit, ihre Organisation und ihre Vorgehensweisen untersuchen. Weiterhin werden wir Forschungsergebnisse zu Standardisierung kennenlernen. Soweit möglich, sollen Vorträge von externen Experten Einblicke in die Praxis der IT-Standardisierung geben.



## Standardisierungsorganisationen



The screenshot shows the ISO website homepage. At the top left is the ISO logo and the text 'International Organization for Standardization'. To the right is a navigation bar with 'ISO Store', 'Catalogue online', a search box, and 'Extended Search'. Below this is a large banner with the text 'ISO Focus'. Underneath the banner are links for 'Français', 'Copyright', 'Site map', 'Abbreviations', 'Contact ISO', 'FAQ', and 'My account'. The main content area is divided into several sections: 'About ISO' with a list of links; 'Products and services' with a list of links; 'ISO 9000 / ISO 14000' with a list of links; 'For ISO members' with a list of links; 'ISO Central Secretariat has moved!' with a photo of the new office and contact information; 'Latest news' with a list of recent events; 'ISO Store' with a link to browse and purchase standards; 'Call for papers' with a link to Beijing Olympics; and 'Just published' with a list of recent publications.



**DIN** Deutsches Institut für Normung e. V. Vertreter deutscher Interessen  
übernationalen No

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**2007-03-12: ISO-Dienstleistungsnormung**

Auftaktsitzung des ISO-Projektcommittees für psychologische Eignungsdiagnostik fand in Berlin statt  
[... mehr](#)

**2007-02-23: Broschüre zur Initiative „Partner für Innovation“ erschienen**

Empfehlungen und Pionieraktivitäten zur Stärkung der Integration von Innovation und Normung  
[... mehr](#)

**2007-02-22: Sicherheitskennzeichnung wird aktualisiert**

  
[Europä](#)  
  
 INNOC  
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### LATEST HEADLINES

- [Post-Katrina, ANSI Homeland Security Standards Panel ...](#)
- [ANSI and SFI, Inc. Unite Behind Sustainable Forestry ...](#)
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**National Institute of Standards and Technology**

*...working with industry to foster innovation, trade, security and jobs*

**NIST**

**About NIST**

- General information
- Budget and Economic studies
- NIST conferences
- NIST visitor info/directions
- NIST contacts/staff directory
- Organizational chart
- A-Z subject index

**Programs**

**NIST Laboratories:** provide measurements and standards for U.S. industry.

- Building and fire research
- Chemical science and technology
- Electronics and electrical engineering
- Information technology
- Manufacturing engineering
- Materials science and engineering
- Physics
- Technology services

**Baldrige National Quality Program:** promotes and recognizes organizational performance excellence.

**Helping Manufacturing Extension Partnership provides**

**NIST products and services**

- Assistance to small manufacturers
- Calibrations
- Computer Security Resource Center
- Databases
- Laboratory accreditation
- Measurement & standards research
- NIST Information Quality Standards
- NIST Research Library
- Publications
- Performance excellence guidelines
- R&D funding
- Software
- Standard Reference Materials
- Standards
- Weights and measures

**Work with us**

- Funding opportunities
- Technology transfer/research partnerships
- NIST patents / licensing
- Employment information
- Vendor information

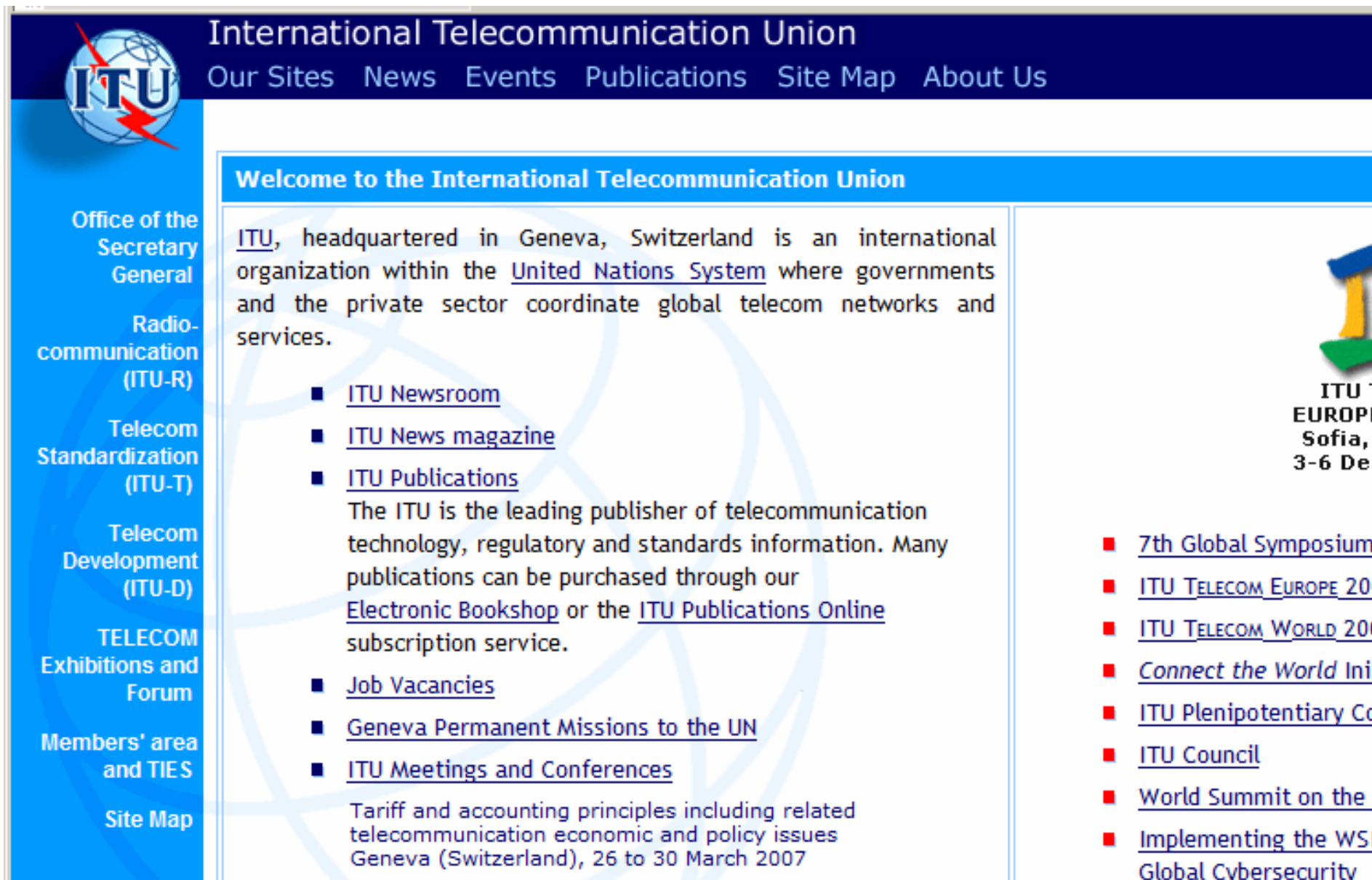
**Check NIST**

**OFF**

**Frozen Lightning NIST's New N**

**Other News:**


- Vice President Present Baldrige Organization
- New Rules for
- NIST 'Micro-Fabrication Properties
- Conflicting S



The screenshot shows the ITU website homepage. At the top, there is a dark blue header with the ITU logo on the left and the text "International Telecommunication Union" in the center. Below the header, there is a navigation menu with links for "Our Sites", "News", "Events", "Publications", "Site Map", and "About Us". The main content area is divided into several sections. On the left, there is a vertical blue sidebar with white text listing various ITU departments and services: "Office of the Secretary General", "Radio-communication (ITU-R)", "Telecom Standardization (ITU-T)", "Telecom Development (ITU-D)", "TELECOM Exhibitions and Forum", "Members' area and TIES", and "Site Map". The main content area has a blue header that says "Welcome to the International Telecommunication Union". Below this, there is a paragraph of text: "ITU, headquartered in Geneva, Switzerland is an international organization within the United Nations System where governments and the private sector coordinate global telecom networks and services." This is followed by a list of links: "■ [ITU Newsroom](#)", "■ [ITU News magazine](#)", and "■ [ITU Publications](#)". Below the list, there is a paragraph: "The ITU is the leading publisher of telecommunication technology, regulatory and standards information. Many publications can be purchased through our [Electronic Bookshop](#) or the [ITU Publications Online](#) subscription service." This is followed by another list of links: "■ [Job Vacancies](#)", "■ [Geneva Permanent Missions to the UN](#)", and "■ [ITU Meetings and Conferences](#)". Below this list, there is a paragraph: "Tariff and accounting principles including related telecommunication economic and policy issues Geneva (Switzerland), 26 to 30 March 2007". On the right side of the main content area, there is a small graphic of a person holding a sign that says "ITU TELECOM EUROPE Sofia, 3-6 Dec". Below this graphic, there is a list of links: "■ [7th Global Symposium](#)", "■ [ITU TELECOM EUROPE 2007](#)", "■ [ITU TELECOM WORLD 2007](#)", "■ [Connect the World Initiative](#)", "■ [ITU Plenipotentiary Conference](#)", "■ [ITU Council](#)", "■ [World Summit on the Information Society](#)", and "■ [Implementing the WSIS Action Plan](#)".

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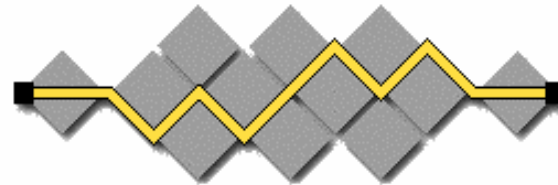
Intelligent Systems  
IP Cable com    UMTS  
DECT    Safety  
Man Machine Interface  
Smart Cards    Radio  
VoIP    Electronic Signature  
NGN

On ETSI's radar

**Services & Products**

**ETSI's galaxy**

IETF Search:

# I E T F

## The Internet Engineering Task Force

- [Overview of the IETF](#)
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- [IETF Working Groups](#)
- [WG Chairs Web Page](#)
- [Internet-Drafts](#)
- [RFC Pages](#)
- [Educational Materials](#)
- [Mailing Lists](#)
- [IESG Activities/Actions](#)
- [Meetings](#)
  - ★ [68th IETF - Prague, Czech Republ](#)  
(March 18-23, 2007)
- [Proceedings](#)
- [IETF Liaison Activities](#)
- [IETF IPR Disclosure Page](#)
- [The NomCom](#)
- [IETF Secretariat](#)

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Related Web Pages: • [IASA](#) • [IAB](#) • [RFC Editor](#) • [IANA](#) • [IRTF](#) • [ISOC](#)

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W3C Supporters	News	Search
<p>Help W3C by making a donation through the <a href="#">W3C Supporters Program</a>.</p>	<h2 data-bbox="840 877 1915 1021">W3C Launches New HTML Working Group</h2> <p data-bbox="840 1053 1915 1404">2007-03-07: W3C is pleased to invite participation in the new <a href="#">HTML Working Group</a>, chartered to create the next <a href="#">HTML</a> standard with the active participation of browser vendors, software developers, and content designers. "It's time to revisit the standard and see what we can do to meet the current community needs, and to do so effectively with commitments from browser manufacturers in a visible</p>	<p data-bbox="1982 877 2083 933">Go</p> <p data-bbox="1960 965 2083 1013">Search</p> <p data-bbox="1960 1093 2083 1141">Search</p> <p data-bbox="1971 1189 2083 1236">Testin</p> <p data-bbox="1982 1292 2083 1396">Inter Assc</p>
<h3 data-bbox="168 989 582 1029">Mobile Web Initiative</h3>		
 <p data-bbox="347 1085 772 1332">The goal of the <a href="#">Mobile Web Initiative</a> is to make Web access from a mobile device as simple, easy, and convenient as Web access from a desktop device. Become an <a href="#">MWI sponsor</a>.</p>		
<h3 data-bbox="168 1372 425 1412">Employment</h3>		



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## CONSORTIUM

OASIS Standards  
How to Participate  
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## TECHNICAL WORK

Committees by Name  
Committees by Category

- Adoption Services
- Computing Mgmt
- Document-Centric
- e-Commerce
- Law & Government
- Localisation
- Security
- SOA
- Standards Adoption
- Supply Chain
- Web Services

OASIS is a not-for-profit, global consortium that drives the development, convergence and adoption of e-business standards.

## PRESS ANNOUNCEMENTS



[ 01 Mar 2007 ]  
Open Standards Advocates  
Gather to Explore Advances for  
eBusiness and eGovernment

[ 14 Feb 2007 ]  
Members Approve  
OpenDocument Version 1.1 as  
OASIS Standard

[ 30 Jan 2007 ]  
W3C and OASIS Jointly Issue  
New Web Standard for Industrial  
Graphics

## PARTICIPATE

■ DITA - S1000D Interoperability  
Discussion List

■ OASIS Symposium 2007  
15-18 April 2007  
San Diego, CA USA

■ Third International PKI Survey

## REVIEW

■ 60-day Public Review of  
ebXML-IIC Deployment Profile  
Templates, ends 7 Mar

■ OASIS Standard submission for  
WSBPEL v2.0. vote opens 16

## SPONSOR MEMBERS

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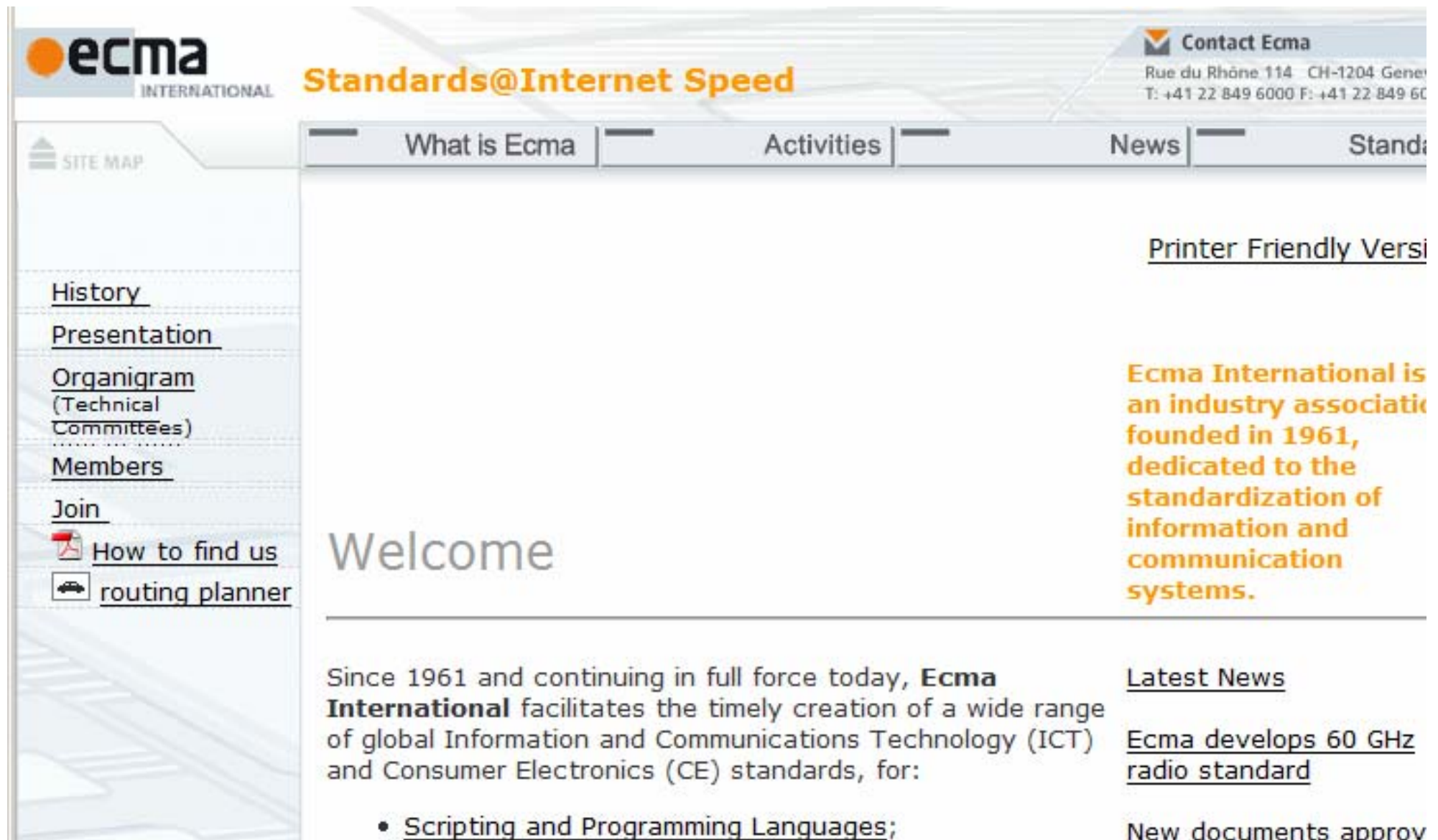


VISA

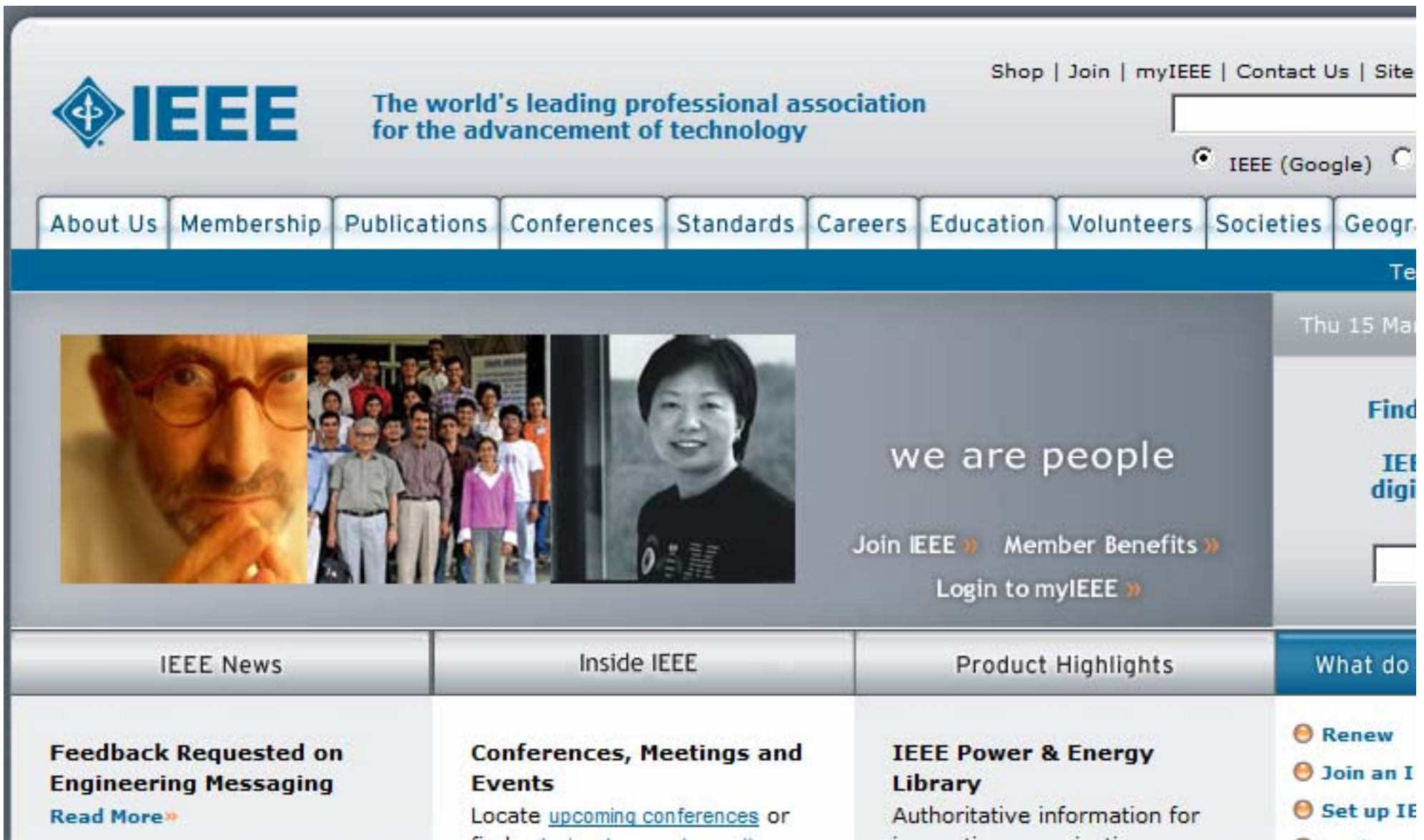


WARNING SYSTEMS, INC.

OASIS STANDARDS




The screenshot shows the ECMA International website homepage. At the top left is the ECMA logo with the tagline 'Standards@Internet Speed'. To the right, there is contact information for Geneva, Switzerland. A navigation menu includes 'What is Ecma', 'Activities', 'News', and 'Standards'. A left sidebar contains links for 'SITE MAP', 'History', 'Presentation', 'Organigram (Technical Committees)', 'Members', 'Join', 'How to find us', and 'routing planner'. The main content area features a 'Welcome' message, a 'Printer Friendly Version' link, and a paragraph describing ECMA's mission since 1961. A list of standards is partially visible, including 'Scripting and Programming Languages'. On the right, there is a 'Latest News' section with a link to 'Ecma develops 60 GHz radio standard' and a mention of 'New documents approv'.



The screenshot shows the IEEE website homepage. At the top left is the IEEE logo and the tagline "The world's leading professional association for the advancement of technology". To the right are navigation links: Shop | Join | myIEEE | Contact Us | Site. Below this is a search bar with "IEEE (Google)" selected. A horizontal menu contains: About Us | Membership | Publications | Conferences | Standards | Careers | Education | Volunteers | Societies | Geogr. Below the menu is a large banner with three images: a man with glasses, a group of people, and a woman. The text "we are people" is centered. Below the images are links: "Join IEEE »", "Member Benefits »", and "Login to myIEEE »". On the right side, there is a date "Thu 15 Mar" and a search box. At the bottom, there are three main content areas: "IEEE News" with a link "Feedback Requested on Engineering Messaging Read More »", "Inside IEEE" with a link "Conferences, Meetings and Events Locate upcoming conferences or", and "Product Highlights" with a link "IEEE Power & Energy Library Authoritative information for". On the far right, there are links: "Renew", "Join an I", and "Set up IE".



Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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International Standards and conformity assessment for government, business and society for all electrical, electronic and related technologies.



Electrotechnology. A natural passion.

### LATEST NEWS

**E-tech** — 2007 March edition

- Ultra High Voltage (UHV) the future of efficient electricity supply and transmission
- Daniamant and the importance of IECEx certification
- UNIDO and the African Union look to the IEC for quality infrastructure
- University standardization courses are on the increase

[IEC in Figures](#) updated

[TISS support for experts in the community](#)

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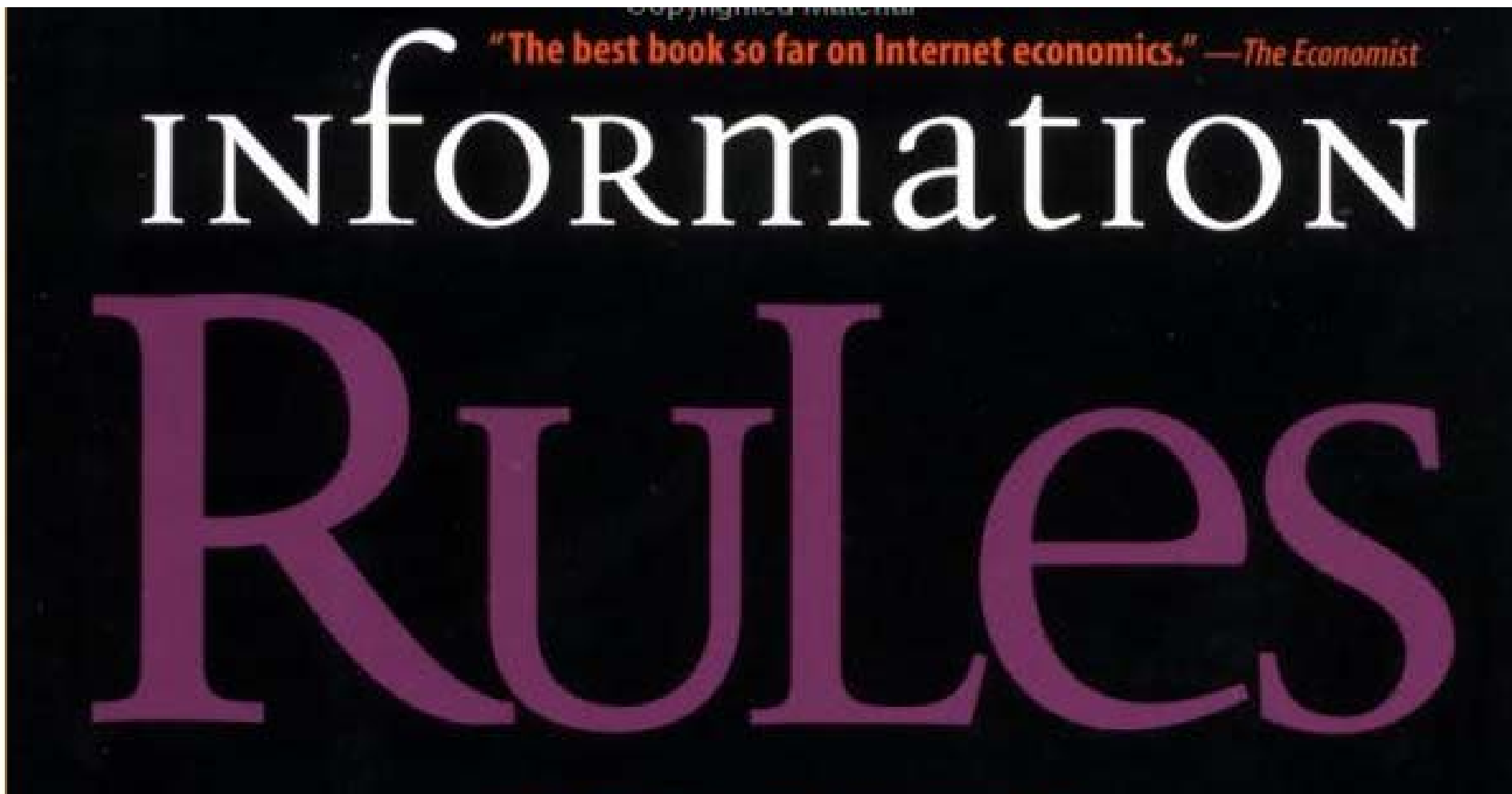
# Organisationen

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- Wer sind sie? (Organisationsform, Mitglieder etc.)
- Was ist ihre Geschichte?
- Was tun sie? (Standards, Normen etc.)
- Was davon ist IT-relevant? (Beispiele)
- Wie tun sie es? (Prozesse)
- Was kostet die Mitarbeit?
- Welche Regeln gelten für Standards (Patente, Lizenzen)
- Wie unterscheiden sie sich von anderen Organisationen?
- Wie arbeiten sie mit anderen Organisationen zusammen?



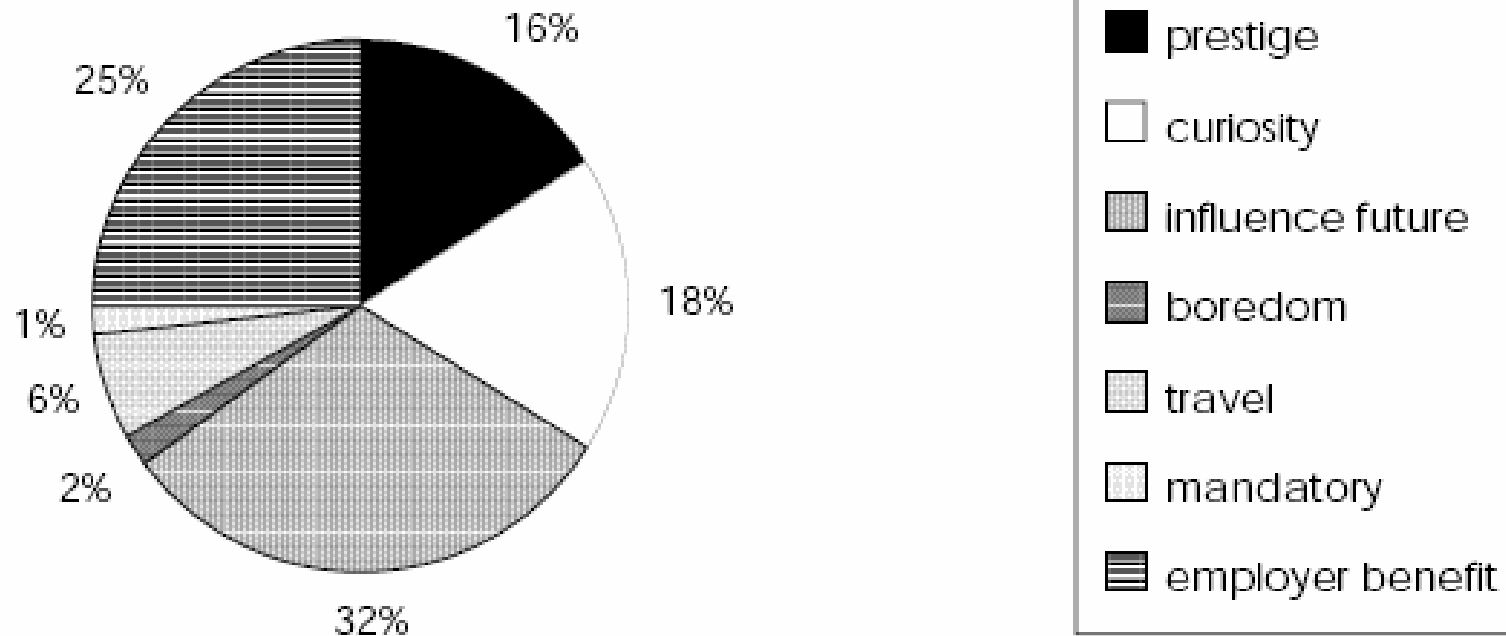
## **Bedeutung von Standards / Untersuchungen zu Standards**



- Chapter 8: Cooperation and compatibility
- Chapter 9: Waring a standards war

# "From Courtship Dance to Lawyering: Working with Bulldogs and Turtles"

Figure 4-3: Motivation of Committee Members



- A Quantitative Analysis of Product Categorization Standards: Content, Coverage, and Maintenance of eCI@ss, UNSPSC, eOTD, and the RosettaNet Technical Dictionary

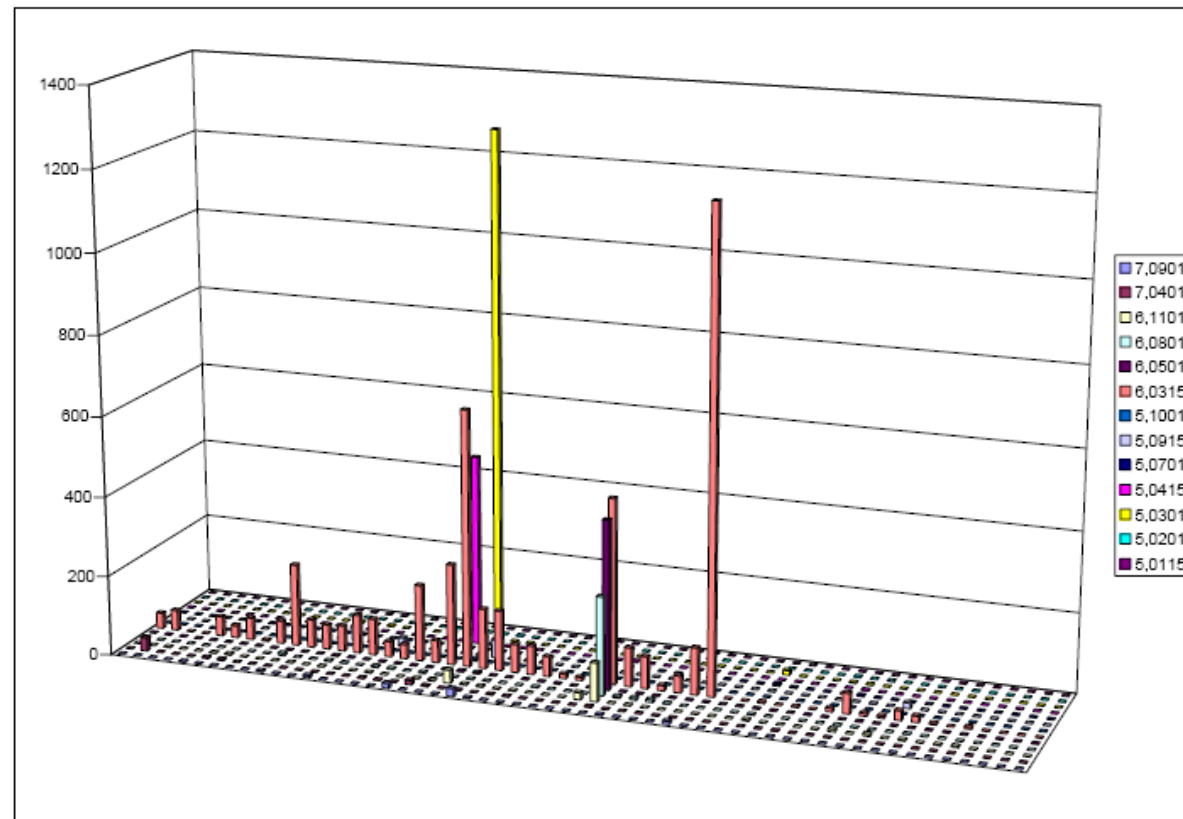


Figure 4. Visualization of the growth per top-level category from version 5,0115 through version 7,0901 of UNSPSC



## Gastvorträge



- Drei Vorträge mit Vertretern Wirtschaft, Standardisierungsorganisationen etc. geplant
- Sollen mit vorbereiteter Diskussion begleitet werden



## Leistungen

- Leistungsnachweis
  - Referat
  - Ausarbeitung
  - Bei Gastvorträgen
    - Vorbereitung Diskussion
    - Dokumentation Vortrag und Diskussion
  - Bei Abschlußdiskussion
    - Zusammenfassung Veranstaltung
    - Vorbereitung Diskussion
    - Dokumentation der Diskussion

- Bitte beachten Sie
  - Hinweise zu Ablauf und Leistungserbringung in Seminaren bei NBI  
<http://www.ag-nbi.de/lehre/seminare.html>
  - Die Hinweise zu Plagiaten  
<http://www.ag-nbi.de/lehre/tipps/plagiate.html>
- In Anlehnung an den Artikel Stefan Weber: Wissenschaft als Web-Sampling. Telepolis. 15.12.2006 . (<http://www.heise.de/tp/r4/artikel/24/24221/1.html>)  
legen wir für die Ausarbeitungen fest:
  - Direkte Zitate aus dem Internet nie zur Faktenvermittlung, sondern nur noch als illustrative Beispiele, wenn also das Zitat selbst thematisiert wird
  - Keine Zitate von der Wikipedia, außer zur kritischen Kommentierung



## Fragen und Themenverteilung