

[Sample Document](#) [Database Fields](#) [Search Tips](#) [Login/Registration](#)

Management and Organisation (BEFO)

This database contains references with abstracts, keywords and descriptors on technology and management.

It provides information from German and international scientific and practical technical literature like journals, conference proceedings, reports, dissertations, as well as non-conventional literature. TEMA® comprises the databases DOMA® Mechanical and Plant Engineering, ZDE Electrical Engineering, Electronics and Information Technology, ENTEC Energy Technology, WEMA® Materials, TOGA® Textile Technology, MEDITEC Medical Engineering, BERG Mining and BEFO Management and Organisation.

The abstracts are in German and/or English. The search may be conducted with German or English terms.

Scope

- Enterprises, corporate governance, management information systems, knowledge management, project management, personnel management
- Cost accounting, balances, financial reporting, financing, investment, controlling, appraisal of business
- Innovation management, product development, merchandising, sales and marketing, market analysis, trade, market research
- Production planning, work organisation, virtual production, materials management, procurement, logistics, stock holding, maintenance and servicing
- Occupational health and safety, accident prevention, ergonomics, work science
- Legislation concerning labor and economics, product liability, data privacy protection
- Quality management and control, certification
- Technology transfer, technology assessment, environmental protection
- Economic research and policy, finance, trade agreements

Language

German, English

File Data

Number of records: 683.880

Years covered: from 1974

Update: weekly

Producer

WTI-Frankfurt-digital GmbH

Ferdinand-Happ-Str. 32

D-60314 Frankfurt/Main

Phone: (069) 4308-111

Fax.: (069) 4308-200

Internet: <http://www.wti-frankfurt.de>

Responsible for database input:
Barbara Holzmann
Phone: +49 69 4308-270

Sample Document

[TOP](#)

Database

TEMA, Copyright WTI-Frankfurt-digital GmbH

Title

Einführung von Kommunikationsstandards in Unternehmensnetzwerken - ein gestaltungsorientierter Ansatz bei dezentraler Entscheidungsstruktur.
Introducing communication standards in corporate networks. A normative approach for a decentralized decision structure.

Descriptors

Kommunikation; Informationstechnik; Norm; Normung; Unternehmensnetzwerk; Kosten; Entscheidungsunterstützung

Free Terms

Kommunikationsstandard; Entscheidungsstruktur

Abstract

Aktuell diskutierte Standards und Technologien (beispielsweise im Bereich Web Services) werden die IT-gestützte Kommunikation (Informationstechnologie) zwischen Unternehmen stark verändern. Die Standardisierungsentscheidung geht jedoch mit dem Risiko einher, einen Standard einzuführen, den andere Unternehmen danach nicht verwenden. Somit entsteht durch die netzeffektbedingte Interdependenz der Standardisierungsentscheidungen ein Koordinationsproblem, das Standardisierungsproblem. Handelt es sich dabei um autonom entscheidende Akteure (beispielsweise eigenständige Unternehmen), denen die Standardisierungsentscheidungen der anderen Akteure im Netzwerk nicht bekannt sind, liegt das Standardisierungsproblem bei dezentraler Entscheidungsstruktur und unvollständiger Information vor. Die Akteure müssen folglich jeweils unter Unsicherheit über die eigene Einführung eines Standards entscheiden. Um daraus resultierende Ineffizienzen zu reduzieren und Fehlentscheidungen zu vermeiden, wird ein gestaltungsorientierter Ansatz entwickelt. Dieser soll die einzelnen Akteure im Netzwerk unterstützen, die Standardisierungsentscheidungen der anderen Akteure und somit die im Falle einer Standardisierung resultierenden Netzeffekte zu antizipieren. Kern des Ansatzes ist es dabei, die Interdependenz der Entscheidungen modellendogen zu repräsentieren und das resultierende Gleichungssystem zu lösen.

Standards and technologies (for example in the area of web services) that are currently discussed in research and practice will strongly change IT-based communication (information technology) between organizations. However, the decision to standardize is accompanied by the risk of introducing a standard that is not adopted by other organization afterwards. Hence, the interdependencies among the standardization decisions due to positive network effects result in a coordination problem, which is referred to as the standardization problem. If the

standardization decisions are taken by autonomous actors (for example legally independent organizations) that do not know the standardization decisions of the other actors in the network, this standardization problem arises for a decentralized decision structure and incomplete information. Thus, actors have to decide under uncertainty on whether to standardize or not. To avoid resulting inefficiencies and wrong decisions, it is proposed a formal, normative approach. This approach allows an actor within the network to anticipate the standardization decisions of the other actors and the associated network effects. Central to the approach are the consideration of interdependencies among the standardization decisions and the solution of the resulting system of equations.

Author

Heinrich, Bernd; Klier, Mathias; Bewernik, Marc-Andre

Institution

Universität Innsbruck, AT; Universität Augsburg, DE

Source

ZfB. Zeitschrift für Betriebswirtschaft * Band 81 (2011) Heft 4, Seite 447-485 (39 Seiten, 14 Bilder, 4 Tabellen, 28 Quellen)

Serial Codes

ISSN: 0044-2372

Zeitschriftencode: 1434 = ZfB. Zeitschrift für Betriebswirtschaft

Classification

3AA Management planning, management strategies

3AD Costs, finance, investment

3AU Design methodology, merchandise technology, technical standards and rules

3D Data processing and data systems technology

Language

DE German

Availability

<http://dx.doi.org/10.1007/s11573-011-0447-x>

Document Number

20110500247

Treatment Codes

T Theoretical

Publication Type

J Journal

Publication Form

ED Digital Object Identifier (DOI)

Publication Year

2011

Update

2011-05-30

Database Fields [TOP](#)

Title	TI
Author	AU
Institution	CO
Thesaurus	TH
Descriptors	DE
Classification	CC
Source	SO
Serial Codes	SC
Conference Details	CF
Language	LG
Publication Type	PT
Publication Form	PF
Abstract	TX
Material Terms	MT
Material Index	MI
Chemical Index	CI
Free Terms	FT
Treatment Codes	TC
Fulltext	AV
Document Number	NO
Publication Year	YR
Update	UP
Country of Institution	COC
Conference Series No = Konferenzseriennummer	CSN
Country of Conference	CFC
WTI Journal Code = WTI-Zeitschriftencode	FJC

Search Tips [TOP](#)**Thesaurus**

The search with descriptors from the "Thesaurus Engineering and Management" in the search field "General Search" automatically includes any available German terms and narrower terms, as well as German and English synonyms.

With the "Thesaurus Search" (see grey menu bar) it is possible to preselect search terms for a more efficient search in the database.

*Attention: The Thesaurus Search Engine is available in every single database. But as not all general data bases have a Thesaurus search function available, we are not able to provide this option when **OneSearch** is used for interdisciplinary data base research.*

Search in specific fields

The "General Search" includes the following fields: Title, Abstract, Author, Institution, Source, Serial Codes (ISSN and ISBN), Conference Details, Thesaurus, Free Terms and Publication Year. In all other cases the respective field has to be selected. In the "Expert Search" every field can be selected from the dropdown-list, or you can directly enter the field tag (in capital letters, #tags see above) followed by colon and the search term, e.g. the classification CC:3BFB. The direct search with field tag is possible in all search types (Quick Search, Advanced Search and Expert Search).

Field Author (AU)

In the database TEMA and its parts (e.g. DOMA, WEMA, ZDE, BEFO etc.) it is sufficient to enter the first letters of first or last name of an author into the Author Field (in "Advanced Search" or "Expert Search"). You will then be given a list of matching entries, from which you can select the appropriate name.

Alternatively names may be searched with truncation (*), e.g. `hoyer*` returns `hoyer-ina`, `hoyer-n-j`, `hoyer-norbert`, `hoyerberg`, `hoyermann` etc.

For a more precise search, please truncate at the initial of the first name, e.g. `"hoyer n*"` returns only authors with last name Hoyer, whose first names start with "N", as Hoyer, Niklas or Hoyer, Norbert. or Hoyer, N. Search names within quotation marks, e.g. `"hoyer norbert"` OR `"hoyer n*"` (last name - first name) and always use the Author Field. This way of searching is possible in all databases. Truncation is recommended, since first names are often abbreviated in the literature quoted.

Field Institution (CO)

This field supplies the author affiliation. Wherever possible, these institutions have been standardised and can be used for refining the search result. Changes in company names should be taken into account (e.g. DaimlerChrysler -> Daimler). The country of the institution is searchable with the tag COC (in capital letters) and the two-character ISO-Country-Code, e.g. `COC:cn` finds institutions from China.

Classification Field (CC)

In "Advanced Search" and "Expert Search" the subjects can be selected from a list (see link below search fields) giving the top level of the WTI-classification. Several selected items are combined with the operator OR. The selection of an item also includes the more precise subclasses into the search. If you enter the code directly, e.g. `CC:3BFB`, only the specified class is found, unless you truncate the class: `CC:BF*` includes the subclasses.

In the "General Search" the field tag CC has to be used. Instead you can select the field from the dropdown-list in the "Expert Search".

For a list of the codes see [WTI Classification](#)

Additionally you can refine your search result after a search in other search fields with the link

"Classification" on the right hand side of the titlelist. Several selected subjects are combined with the operator AND, that is: all must apply. This list is sortable either by number of hits or alphabetically by codes.

Field Source (SO)

Publication titles may be searched as phrases (strings), e.g. "laser in medicine and surgery".

Field Serial Codes (SC)

ISSN and ISBN are searched with hyphens without text, e.g. 978-3-18-092009-2.

The WTI-Journal-Code is searchable e.g. as FJC:770 (see [WTI Journal List](#) [in German]).

Field Conference Details (CF)

Since 1993 the conference details have been standardised. Since then conference series numbers have been assigned to conferences regularly scanned. These numbers may be searched e.g. as CSN:14 or CSN:12349 (Numbers see [Conferences](#) [in German]). The Conference Series Numbers are to be searched without the leading zeros. CSN has to be entered in capital letters. The conference number is displayed in field Serial Codes.

Conferences published before 1993 may be searched as usual with phrases or with operators.

Publication Form (PF)

This field helps identify electronic publications. It is available since 1991. Search with the codes:

EC for CD-ROM/DVD,

ED for records with link (DOI, Digital Object Identifier) to the publisher, where the publication is available, or

EL for online documents, that are often for free in the internet.

Search e.g. PF:ed

With PF:e* all electronic publications are found.

Instead you can refine your search result with **Publication Type** "Electronic Publication" in the right column of the Results list, which includes all of the codes above.

Field Treatment Codes (TC)

This field is available since 1993, which means that selecting a code from this list excludes older records from the search result.

Field Document Number (NO)

The document number is a permanent identifier for a specific record. Search e.g. NO:20090101598.

Update

February 2019