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## **DKF Automotive Engineering (DKFL)**

The database provides access to the worldwide literature on all aspects of motor vehicle design, construction and manufacturing.

A large part (more than 50%) of the database is made up of 'grey literature' - reports, technical papers, company information and academic theses. The other articles are mostly from journals. Further informations can be found in database DKF Automotive Industry.

### **Scope**

- Internal combustion engines (fuel mixture, combustion processes, exhaust gases)
- Vehicle components (electric and electronic equipment)
- Vehicle operations (safety, driving behaviour, maintenance, testing, environmental aspects)
- Materials engineering (materials, fuels, corrosion, tribology)
- Design engineering (vehicle design and manufacture)
- Standardisation and legislation

### **Language**

German

### **File Data**

Number of records: 303.779

Years covered: from 1974

Update: monthly

### **Producer**

- 31.12.2017:

Dokumentation Kraftfahrwesen e.V.

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WTI-Frankfurt-digital GmbH

Update: weekly

**Sample Document**[TOP](#)**Database**

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**Title**

Interaktionskonzepte für das automatisierte Fahren.

**Descriptors**

Versuchsfahrzeug; Mensch; Fahrsimulator; autonomes Fahrzeug

**Abstract**

Mit einem Testfahrzeug erprobt Continental das Nutzererlebnis (User Experience, UX) und Interaktionskonzepte für das automatisierte Fahren (Automated Driving, AD). Probandenstudien unter realen Fahrbedingungen kombiniert mit Untersuchungen im Fahrsimulator machen es möglich, Interaktionskonzepte bereits zu erforschen und zu bewerten, bevor das automatisierte Fahren auf der Straße verfügbar ist. Erste Erfahrungen bestätigen die Vorgehensweise, den Dialog zwischen Mensch und Fahrzeug iterativ zu verfeinern. Mit dem UX Research Vehicle hat Continental einen nutzerorientierten Entwicklungsprozess begonnen, der dazu dient, den Dialog zwischen Fahrer und Fahrzeug so zu optimieren, dass ein Höchstmaß an Transparenz und Vertrauen entsteht. Durch rechtzeitiges Einbinden von Endnutzern und agile Iterationszyklen wird es möglich, einer ausgereiften Automationslösung vom ersten Tag an auch ein gleichermaßen ausgereiftes Interaktionskonzept an die Seite zu stellen. Nur in dieser Kombination werden AD-Fahrzeuge schnell Akzeptanz finden und ihren vollen Beitrag zu einer individuellen Mobilität mit deutlich höherer Sicherheit und Komfort leisten. Auch wenn die kleine Grundgesamtheit der ersten Probandenfahrten noch keine statistischen Aussagen erlaubt, erweist sich dieses Versuchsfahrzeug als höchst praktikables Instrument, um zu validieren, mit welchen Signalen Autos künftig kommunizieren werden.

**Author**

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Continental, Babenhausen, DE

**Source**

Automobiltechnische Zeitschrift - ATZ \* Band 120 (2018) Heft 4, Seite 18-23, 6 Seiten, 4 Bilder, 2 Quellen

**Serial Codes**

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J Zeitschrift

ED Elektronische Veröffentlichung

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### Database Fields [TOP](#)

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## Search Tips [TOP](#)

### Thesaurus

If search terms are used in the "General Search", that are descriptors from the DKF-Thesaurus, synonyms and related terms are automatically included into the search.

*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, Thesaurus 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), followed by colon with the search term, e.g. the classification CC:ydd. The direct search with field tag is possible in all search types (Quick Search, Advanced Search and Expert Search).

### Field Author (AU)

Search names within quotation marks as "last name - first name", e.g. "hoyer u" and always use the Author Field (in "Advanced Search" or "Expert Search"). First names are usually abbreviated in this database.

Names may be truncated (with \*). "hoyer u\*" returns all authors named Hoyer, whose first name starts with a "U", whether they are abbreviated or complete. You may also truncate the last name only, e.g. hoyer\* returns hoyer-u, hoyer-u-j, hoyer-stephan, hoyerberg, hoyermann etc.

### Field Institution (CO)

This field supplies the author affiliation or the institution on behalf of which the document was published. Sometimes the producer of the vehicles mentioned in the publication is named. 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) followed by colon 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 giving the top level of the DKF-Classification. The selection of an item also includes the more precise subclasses into the search. If you enter the code directly, e.g. CC:y, only the specified class is found. If the subclasses are wanted additionally, please truncate the class (with \*), e.g. CC:y\*.

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

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For a list of the codes see [DKF-Classification](#) [in German].

**Field Source (SO)**

Titles of publications may be searched as phrases (strings), e.g. "VDA Technischer Kongress".

**Field Serial Codes (SC)**

Search with journal code or ISSN in field SC, e.g. SC:ijvbn. The title of the publication is displayed, but not searchable. Search for the title in the "General Search" or the Source.

**Field Country of Publication (CN)**

This field gives the country of origin of the publication, if not available of the journal or report.

**Field Document Number (NO)**

The document number is a permanent identifier for a specific record. Search e.g. NO:3260799.

**Update**

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