

Guide: Use of IEEE Xplore outside the campus network

The IEEE Xplore database provides full text access to approx. 4. million publications of the IEEE (Institute of Electrical and Electronics Engineers) since 1988. It contains journals, congress reports as well as IEEE standards. Moreover, there are publications of the Institute of Engineering and Technology. The search language is English.

In order to use IEEE Xplore outside the campus network, as a HFT Member you can authenticate yourself via Shibboleth. The fastest way to get to IEEE Xplore is via DBIS database information system:

Step 1: Search for IEEE in DBIS.

Fachgebiete	Anzahl
Allgemein / Fachübergreifend	1154
Allgemeine und vergleichende Sprach- und Literaturwissenschaft	291
Anglistik, Amerikanistik	158
Archäologie	164
Architektur, Bauingenieur- und Vermessungswesen	219
Biologie	320
Chemie	144
Elektrotechnik, Mess- und Regelungstechnik	52
Energie, Umweltschutz, Kerntechnik	152
Ethnologie (Volks- und Völkerkunde)	166
Geographie	235
Geowissenschaften	145

Step 2: Choose „IEEE Xplore“.

Datenbank-Infosystem (DBIS)
Hochschule für Technik Stuttgart

HFT
Stuttgart
Bibliothek

Homepage HFT-Bibliothek Bibliothekskatalog

Suche nach Datenbanken

Schnelle Suche
 Go!

Erweiterte Suche

Aktuelles
Fachübersicht
Alphabetische Liste
Sammlungen
Ansprechpartner
Bibliotheksauswahl /
Einstellungen
Über DBIS

Gefördert durch:

Ergebnisse Ihrer Suche

Sie suchten nach folgenden Kriterien:

- Suche über alle Felder: "IEEE"

[Suche verändern](#)

Die Datenbank ist ...

- im Campusnetz zugänglich und für Angehörige der HFT auch über Shibboleth oder VPN
- frei zugänglich

Bitte beachten Sie die Nutzungsbedingungen und Copyright-Bestimmungen des Verlages/Herausgebers!

Gewählte Datenbanken (5 Treffer)	Zugang
IEEE Xplore / Electronic Library Online (IEL)	frei zugänglich ●
IEEE Xplore / Electronic Library Online (IEL)	Campus/Shibboleth/VPN ●
IEEE Xplore / Electronic Library Online (IEL)	frei zugänglich ●
io-port.net	frei zugänglich ●
LitSonar	frei zugänglich ●

Step 3: Click on the URL at "Recherche starten".

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Gefördert durch:

Detailansicht

IEEE Xplore / Electronic Library Online (IEL)

Weitere Titel: IEEE Xplore Digital Library
IEEE / IET Electronic Library Online
IEEE MIT Press Journals Library - Computing and Engineering Collection
IEEE MIT Press eBooks Library - The Computing And Engineering Collection
inspec abstract/citation and bibliographic

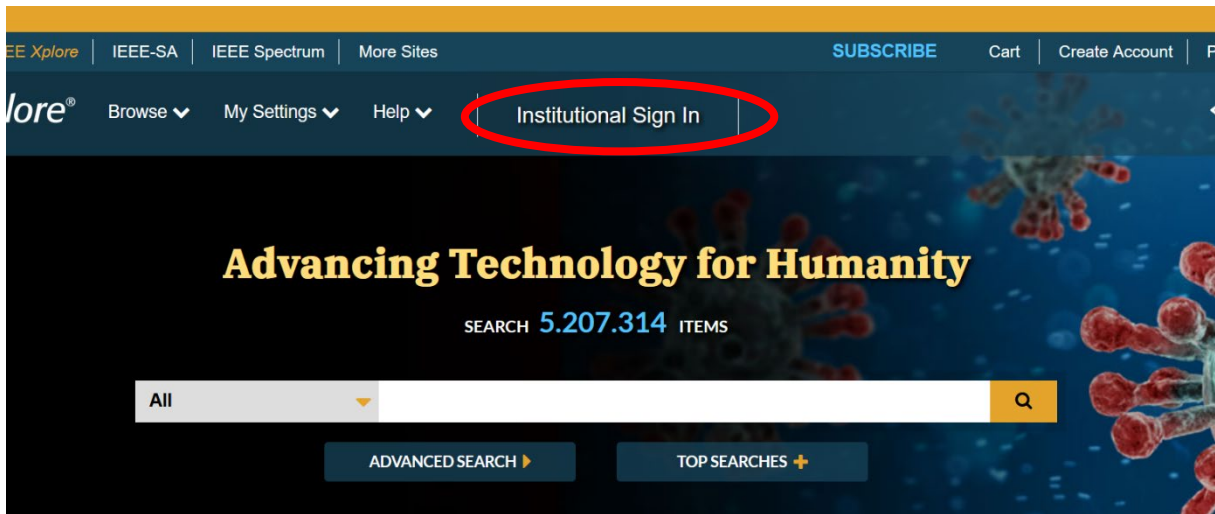
Recherche starten: <http://www.redi-bw.de/start/fhstt/IEEEExplore...>

Verfügbar: im Campusnetz zugänglich und für Angehörige der HFT auch über Shibboleth oder VPN ●

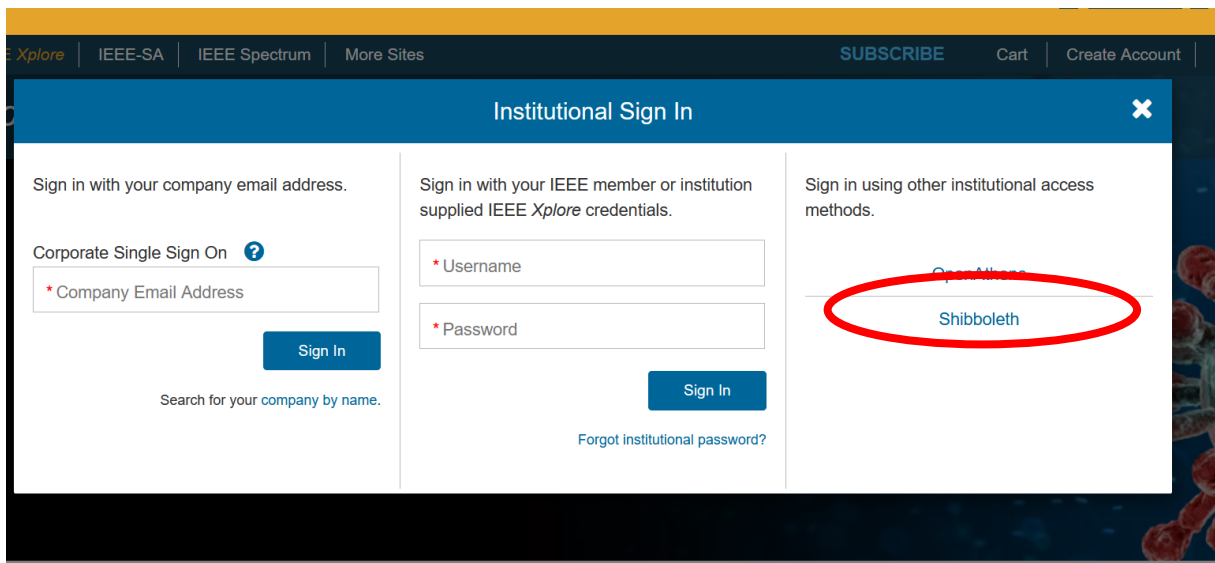
Inhalt: (english)
Volltextzugriff auf die ca. 4 Mio. Publikationen des IEEE (Institute of Electrical and Electronics Engineers) seit 1988:

- über 190 IEEE **Zeitschriften**
- über 1.200 IEEE **Kongressberichte** (ca. 10.000 Einzelschriften)

Step 4: Go to „Institutional Sign In“



Step 5: Choose „Shibboleth“.



Step 6: Search for „Stuttgart“ and select „Hochschule für Technik Stuttgart“ as your institution.

For Shibboleth or Corporate users, find your institution's listing below.

Browse Institutions

OR... **SEARCH BY INSTITUTION NAME**

Enter the name of your institution.

stuttgart

SEARCH

A B C D E F G H I J K L M N O P Q R

Can't find your institution? Your institution may not be enabled for this type authentication. Please contact your administrator for assistance or [register institution with IEEE](#).

Already registered but not listed? Please [contact Online Support](#).

Please note: If you want to save searches or use IEEE Xplore alerting ser you still need to [register for an IEEE Account](#).

[Learn more about Athens and Shibboleth](#).

3 Results Returned in stuttgart

Duale Hochschule Baden-Württemberg (Stuttgart)

Hochschule für Technik Stuttgart - University of Applied Sciences

Universität Stuttgart

Step 7: Login with your HFT access data.

Hochschule für Technik
Stuttgart

University of Applied Sciences

Anmelden bei IEEE Xplore Digital
Library

Benutzername

> Passwort vergessen?

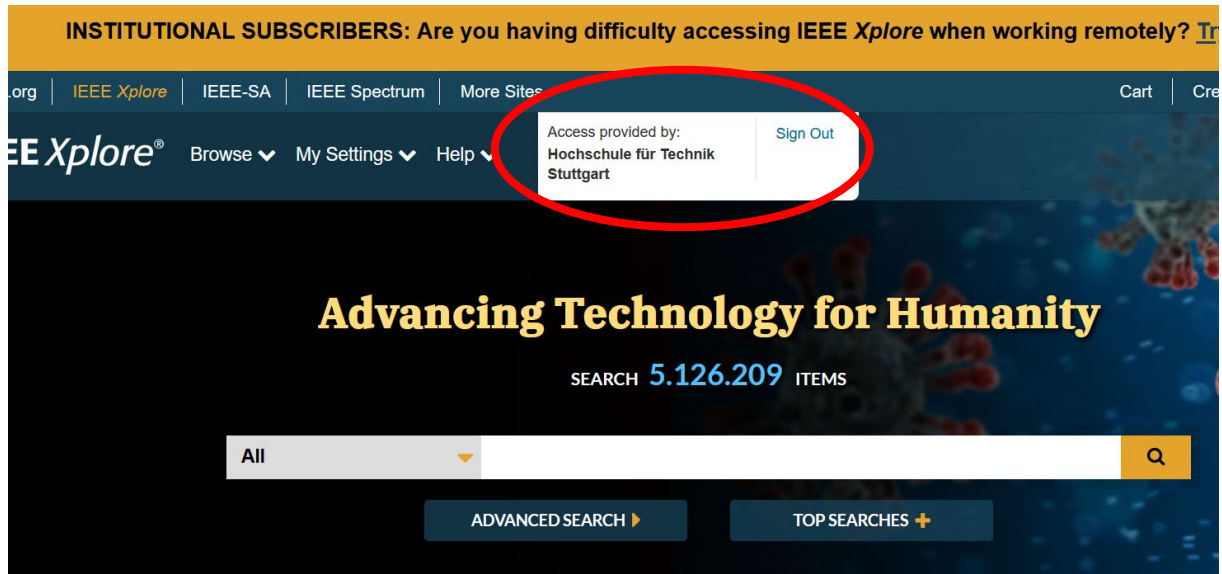
> Hilfe benötigt?

Passwort

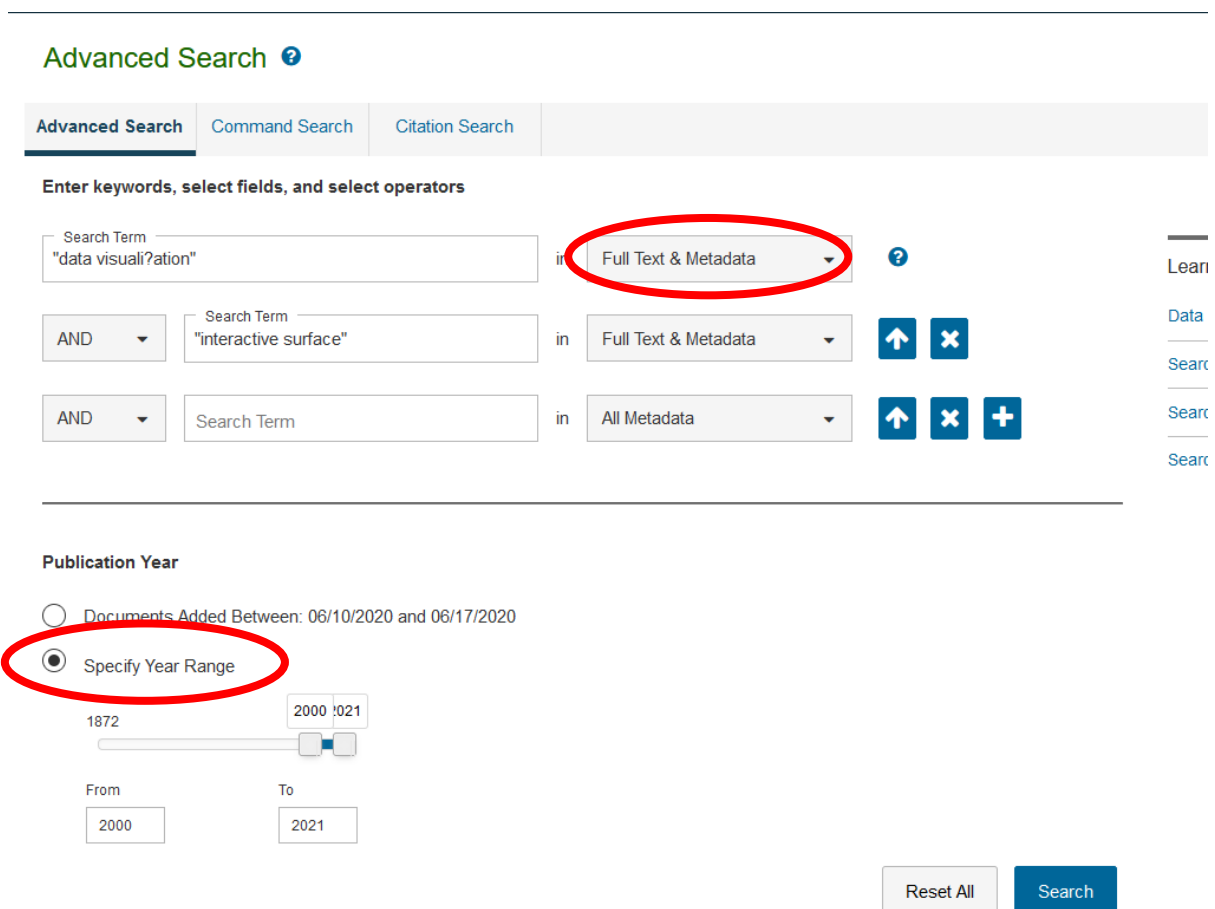
Anmeldung nicht speichern

Hier können wir Ihnen an Dienst zu übermittelnden Informationen einsehen, die entweder aufgrund

The access to the licenced content of the HFT is activated for you.



You can use further filter options in the „advanced search“ mode.



You can search in „Full text & metadata“ or in „Full text only“. You can limit the year of publication or add further search fields.

Step 8: The list of hits is sorted by relevance by default. Further search limitations can be made in the left part of the screen. If there's PDF sign, you can open the text or download it.

The screenshot shows the IEEE Xplore search results interface. At the top, there is a search bar and navigation options like 'Download PDFs', 'Per Page: 25', 'Export', and 'Set Se'. Below this, the search criteria are displayed: 'Showing 1-25 of 41 for ("Full Text & Metadata": "data visualization") AND "Full Text & Metadata": "interactive surface") x'. A filter for '2002 - 2021' is applied. On the left side, there are filter options for 'Conferences (25)', 'Journals (12)', 'Magazines (2)', 'Books (1)', and 'Early Access Articles (1)'. A 'Show' panel on the left allows selecting 'All Results', 'My Subscribed Content', or 'Open Access'. Below this is a 'Year' filter with a range slider from 2002 to 2020. Further down are filters for 'Author', 'Affiliation', and 'Publication Title'. The main results list includes: 1. 'Data Visualization on Interactive Surfaces: A Research Agenda' by Petra Isenberg et al., 2013, IEEE Computer Graphics and Applications, with options for Abstract, HTML, PDF (2881 Kb), and Creative Commons. 2. 'Sketch-Based Interactions for Untangling of Force-Directed Graphs' by Vladimir Guchev and Cristina Gena, 2017, IEEE 2017 21st International Conference Information Visualisation (IV), with options for Abstract, HTML, PDF (550 Kb), and Creative Commons. 3. 'SUMA: an interface for surface-based intra- and inter-subject analysis with AFNI' by Z.S. Saad et al., 2004, IEEE 2004 2nd International Symposium on Biomedical Imaging: Nano to Macro (IEEE Cat No. 04EX821), with options for Abstract, HTML, PDF (552 Kb), and Creative Commons. 4. 'Visualizing five decades of environmental acoustic data' by Anthony Truskinger, Maroat Brereton, and Paul Roe. Red circles highlight the 'Sort By: Relevance' dropdown, the PDF icon and size for the first result, the 'Publication Title' filter, and the PDF icon and size for the second result.

You can download PDF in the full display of the hit as well.

Journals & Magazines > IEEE Computer Graphics and Ap... > Volume: 33 Issue: 2 

Data Visualization on Interactive Surfaces: A Research Agenda

Publisher: IEEE

[Cite This](#)

 PDF

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28
Paper
Citations

1178
Full
Text Views



Abstract

Abstract:

Interactive tabletops and surfaces (ITSs) provide rich opportunities for data visualization and analysis and consequently are used increasingly in such settings. A research agenda of some of the most pressing challenges related to visualization on ITSs emerged from discussions with researchers and practitioners in human-computer interaction, computer-supported collaborative work, and a variety of visualization fields at the 2011 Workshop on Data Exploration for Interactive Surfaces (Dexis 2011).

Document Sections

- [1. ITSs' Value for Visualization](#)
- [2. The Challenges and the Research Agenda](#)

Published in: [IEEE Computer Graphics and Applications](#) (Volume: 33 , Issue: 2 , March-April 2013)

Authors

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INSPEC Accession Number: 13396679

If you have any questions, contact HFT library via email or by telephone.

Good luck with the research!