

User Manual for the EVU website

<http://www.evuonline.org>

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1 Contents of this Document

We have created this manual to help you use the EVU's website, www.evuonline.org, efficiently. You can read up on how to log onto the website with a username and password (page 5), how to change your user profile, and how to add an image to your personal details (page 6).

In the channels publications, crash tests, events, addresses and links you can find an extensive collection of research material, as well as a database containing the addresses of all EVU members (page 7 ff). Sophisticated search and filter tools can help you find the required information quickly and easily. Tests from the library of crash tests, as well as publications, can be ordered directly on the website, or can be downloaded for use.

2 Technical Requirements

No specific software is required in order to use the website to its full extent. You simply need to have internet access (preferably DSL or faster), and a web browser. The website has been designed for Microsoft Internet Explorer Version 5 or higher, but generally works just as well with other browsers. To avail of all the website's functions, please make sure that both JavaScript as well as Cookies are enabled in your browser.

3 Page Setup (HOME)

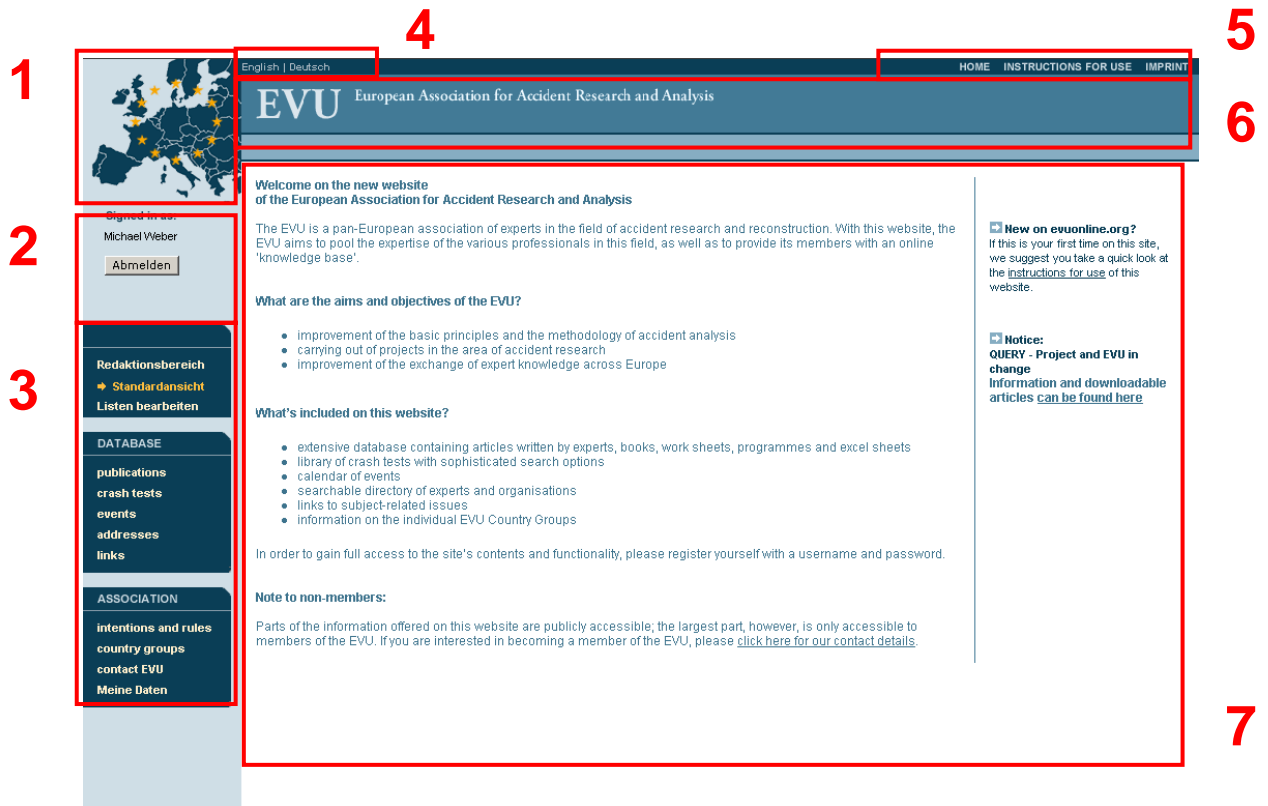


figure 1 - basic setup of www.evuonline.org

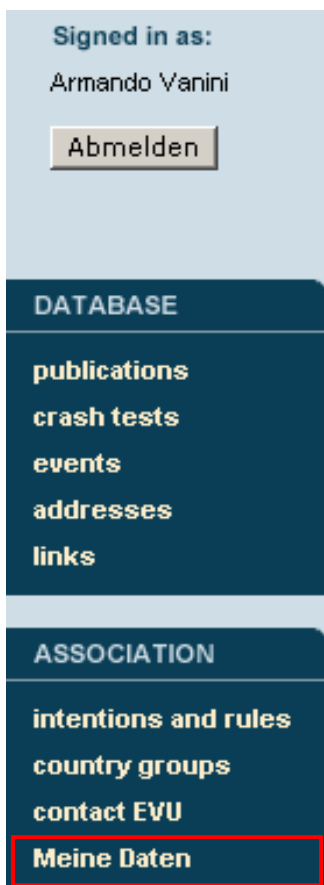
The website is divided into various areas with different functionalities. These way these are arranged remains the same for all pages of this site:

- **area 1**
map of Europe – by clicking on this symbol you return to *home*
[due to a bug, this currently brings you back to the Welcome Page in German, not in English – this will be corrected shortly. Until then, you will have to set the language to English again by clicking on the corresponding button on the top of the page]
- **area 2**
login – this is where you log in with username and password
- **area 3**
main navigation area of the site
- **area 4**
switch languages – you can switch between German and English no matter which page of the site you are on. However, not all pages are available in English

- **area 5**
this is the so-called 'meta navigation' of the site, with links to *home*, the *instructions for use*, and the *imprint*.
- **area 6**
the header with the association's full name
- **area 7**
the body text of the various pages of the site, which frequently consists of lists or other details.

4 Logging in with username and password

A large part of the information contained in evuonline.org is only accessible to members of the EVU. In order to protect this information from unauthorised access, members of the EVU need to log onto the site with a username and password.



You will have received your personal combination of username and password from the EVU. Upon successful login, your name is displayed in the login area of the site. If you mistype username or password, these two boxes are displayed again. In this case, please repeat the logging-in procedure.

Please note: As a security feature, the system automatically logs you out after a certain period of inactivity (approx. 10 mins). In this case, please log in again.

In the following chapter, you will find details on how to input or change your personal user details, and, for example, how to change your password. This is done via the menu item 'My Details' in the main navigation area. Should you encounter problems while trying to log in, please advise us per email to login@evuonline.org.

figure 1 – logged in

5 **Changing ‘My Details’ (e.g. password)**

Once you have logged onto www.evuonline.org with your username and password, the menu item ‘My Details’ appears as the last item in the main navigation area (cf. figure 2). Click on this menu item if you wish to change your personal details to the following:

Public

Tick this box if you would like your address details to be publicly available. Otherwise, they will only be available to those users of the site who are also logged in with username and password.

Image

Click on ‘upload image’ in order to add an image to your personal address details. Please note:

- the image must be stored on your harddrive (or on a networked drive)
- the file format must be JPG or GIF
- the width of the image must not exceed 266 pixel
- the file size should be as small as possible, so as to minimise the time the image will take to load

Password

If you wish to change your password, enter your new password here, and repeat it in the box ‘repeat password’. Please note: the editors of the site will be able to read your password. We therefore suggest you do not use a password you already have in use to protect sensitive information, such as access to your PC and the like.

Default number of results displayed in a list

Here you can choose the number of entries which will be displayed on one page when you are viewing a list. We recommend the default number of 10 per page. Please note: the higher the number, the longer a page will take to load.

Address Details

This is where you input your address details. Please also check if the existing information is correct. We recommend you prefix your phone or fax number with the correct country code.

Additional Information

Here you can add any additional information on either yourself or your office (your specialisation, for example).

Apply Changes

Before finishing, make sure to click on ‘Apply Changes’ for the information you have entered to be saved.

6 Researching Publications

If you are not already logged onto the site, please log in with username and password. Click on the channel 'publications' in the main navigation menu. A page similar to the one below (figure 3) will be displayed.

The screenshot shows the EVU (European Association for Accident Research and Analysis) website. The page is titled 'PUBLICATIONS' and features a search interface. A red box highlights the search area (1), which includes a search input field, a 'published' filter with year ranges (YYYY to YYYY), a dropdown menu set to '10', and 'Start search' and 'Reset' buttons. Below the search area is a table of publications (2) with columns for 'title the publication', 'author', 'category', and 'published'. The table lists various accident-related publications. At the bottom, a red box highlights the pagination information (3), showing '11 to 20 of 93 publications' and 'page 2 of 10'.

| title the publication | author | category | published |
|--|--|-----------------|-----------|
| Bus Accident in Tessin – A Single Example | Kranz, K.-J. | lecture | 2000 |
| Calculating Three Collisions with two Different Levels | Murri, R. | lecture | 2003 |
| Calculating Three Collisions with two Different Levels - Results Based on Good Documentations (Swiss Standard) | Reber, H. | lecture | 2003 |
| Calculating Three Collisions with two Different Levels - Results Based on Poor Documentations | Reber, H. | lecture | 2003 |
| Car Chase Tests at the DTC | Murri, R. | lecture | 2003 |
| Certainties and Doubts in Accident Reconstruction | Mackay, M. | lecture | 2003 |
| Cervical Spine Disorders after Lateral Loading | Steffan, H. | lecture | 2000 |
| Collecting Evidence of Road Traffic and Aviation Accidents | Arnold, J. | lecture | 2003 |
| Contacts due to lane changing manoeuvres | Pfeufer, H. | lecture | 2002 |
| Crash-database of the AGU | Arbeitsgruppe für Unfallmechanik (AGU) | research report | 2003 |

figure 3 – list view in the channel "Publications"

6.1 Viewing details of a particular publication

In the body text of the page (area 2 as shown in figure 3) a list of publications will be displayed. Each horizontal bar represents one publication. In addition to the title, also author, category and year of publication are displayed.

To view more detailed information on a publication, click on its title. A detailed view of the publication will be displayed. A link 'back to list view' will also be displayed, so that you can easily return to the list.

In chapter 6.5, you can read up on how a detailed view of a publication is laid out, how to download publications onto your PC, and how to order publications online.

6.2 Scrolling through the list & changing the alphabetic order

In its default setting, the list of publications is sorted in alphabetic order by title. Click on the relevant column header (e.g. 'author', or 'year of publication') for the list to display that column in alphabetic order instead (e.g. when clicking on 'author', all authors will be listed in alphabetic order). By clicking on the column currently listed in alphabetic order, you can change the order from ascending to descending (e.g. an A-Z display changes to a Z-A display; numbers change from ascending to descending).

Seeing as usually a list of publications is longer than one page, you will find 'page forward' and 'page back' arrows below the text (area 3 in figure 3). Click on the arrows to scroll through the list.

6.3 Searches and Filters

The website evuonline.org has extensive search options built in, to enable exact searches for individual publications. In most cases, you can achieve excellent results using the '**Free Text Search**' (area 1 in figure 3). Please note the following:

- enter the term you are searching for into the box 'Free Text Search', and click on 'Start Search'
- publications containing the term in their title or in their abstract will be displayed
- the search is not case-sensitive – it therefore doesn't matter whether you use large or small capitals
- for a less exact match, you can enter just part of a word. A search for 'brak' would therefore produce results with, for example, either 'brake' or 'braking' in the title or abstract of a publication

You can also search for publications by their publishing date, by entering the earliest and the latest year for a particular timeframe into the two boxes '**year of publication**'. By inputting the same year into both boxes, you can search for publications from that year only.

Please note that all search criteria are linked with each other. Therefore, if you enter a term into the box 'Free Text Search', and you also add a timeframe for the publishing date, only publications fulfilling *both* criteria will be found.

To start a new or corrected search, click on '**Reset**' to reset all the values you have entered.

6.4 Advanced Search

In case you do not find the publication you are looking for by using the search method described in chapter 6.3, further search options are available. To open the advanced search, click on the button 'More' on the righthand side of the page (cf. area 1 in figure 3). The following additional search options will be displayed:

- author
- ISBN/ISSN number
- category
- type of media

6.5 Using the details of a publication

Once you have found the publication you are looking for, you will just need to click on its title to view the details of that particular publication (cf. figure 4)



The screenshot shows the EVU (European Association for Accident Research and Analysis) website. The page is titled 'PUBLICATIONS' and displays details for a specific publication. The main author is Zeidler, F., published in 2002, and it is categorized as a lecture. The publication is from the 11th EVU-Jahrestagung in Portoroz. The title of the publication is 'Airbag Control Unit Design – Complexity Leads to Numerous Misunderstands'. The page includes a sidebar with navigation options like 'DATABASE', 'ASSOCIATION', and 'Meine Daten'. There is also a 'Crash Test' image on the right side of the page.

English | Deutsch

HOME INSTRUCTIONS FOR USE IMPRINT

EVU European Association for Accident Research and Analysis

PUBLICATIONS

← back to listview publication 6 of 93

Signed in as: Armando Vanini
Abmelden

main author: Zeidler, F. published: 2002 co-authors:
category: lecture type of media:
published in: 11. EVU-Jahrestagung, Portoroz ISBN / ISSN:
2002

Airbag Control Unit Design – Complexity Leads to Numerous Misunderstands

English, 7 pages, 8 figures, 6 references
Keywords: Airbag, EES, calculation method

Although the main three physical theorems – conservation of momentum, energy, and angular momentum – are relatively simple, a "big mistake" with significant consequences has been made in the past during the development of accident reconstruction methods: The change of velocity (V) of a car in a crash is sometimes directly determined on the basis of the damage of this given car. However, damage and velocity do not necessarily correlate – in principle and from the physical point of view. Damage to an object can occur without changing the velocity of the center of gravity of this object, a change of velocity can happen without significant residual damage, especially in small modern cars with stiff structures. Although this statement is a truism, accident analyses ignoring this fact can sometimes be found. As a consequence, a working group of the ISO has tried to clarify the situation by defining special terms for accident reconstruction. In particular, the significant difference between the Energy Equivalent Speed (EES) and V must be re-addressed because incorrect application of the physical theorems might result in incorrect characterizations of an accident with misleading consequences, e.g. in regard to airbag deployment or expected injury outcome.

Crash Test

To order a publication click the appropriate price

Order (286 KB) 5,00 € for non EVU members
6,00 USD

click filename to save file

Download (286 KB)

data provided by: wh

citation: Zeidler, F. Zum Aufbau von Airbag-Kontrolleinheiten – Komplexität führt zu zahlreichen Missverständnissen. 11. EVU-Jahrestagung, Portoroz 2002

figure 4 – sample page with the details of a publication

Apart from information on the author and the year of publication, you will also find details on any co-authors, and on where it was first published.

An abstract (usually in combination with an illustration) allows you to quickly determine the topic the publication deals with. On the bottom of the page, under 'citation', most publications will also provide you with all the details you need if you wish to quote from that publication in an official document such as an expert's report.

6.6 Ordering or downloading publications

There are several ways to obtain publications, depending on the type of publication:

If there is a charge for the publication, you can **order it online**. Click on the applicable price for the publication (NOTE: some publications can be obtained at a special rate by EVU members, while the price for non-members differs). The page 'Make an Order' will be displayed. Here you can enter the number of copies you wish to order, as well as double-check your address details. Please note: Your address details are automatically transferred from our membership database. Should the details given here be incorrect, please go to 'My Details' (cf. chapter 5) to make the required changes.

Many publications which are free of charge can be **downloaded** directly from the website. You can usually tell the file format from the symbol displayed with the file. Click on the file name beside the symbol. Depending on your browser settings, you should now be able to choose whether to open the file directly, or to save it to your PC.

7 Researching Crash Tests

Essentially, crash tests are entered into the evuonline.org database in the same manner as publications are (cf. chapter 6). You also conduct a search for crash tests by entering data into the search field. By clicking on 'Crash Tests' in the main navigation menu, a list will be displayed in the body text of the page. Each horizontal bar represents one test. By clicking on a particular test, the details of that test will be displayed. Click on the blue button 'More' to open the advanced search (cf. figure 3).

English | Deutsch

HOME INSTRUCTIONS FOR USE IMPRINT

EVU European Association for Accident Research and Analysis

CRASH TESTS

Reduce the number of results. [How to search for crash tests](#)

Signed in as: Armando Vanini [Abmelden](#)

DATABASE

- publications
- crash tests**
- events
- addresses
- links

ASSOCIATION

- intentions and rules
- country groups
- contact EVU
- Meine Daten

search type of test 10

partner A

type make model Vc (km/h) to impact point impact height

partner B

type make model Vc (km/h) to impact point impact height

test no. code number date to overlapping to % impact angle to degr.

Click title for more details.

| test no. | partner A | Vc A | partner B | Vc B | impact angle |
|----------|---------------------------|----------|------------------------|--------|--------------|
| 01 | car Audi 80 | 12 km/h | car Volvo 240 | 0 km/h | 2 degree |
| 30 | car Opel Kadett E | 42 km/h | car Volkswagen Golf II | 0 km/h | 43 degree |
| 32 | car Daimler/Chrysler W210 | 9,5 km/h | car Opel Astra Caravan | 0 km/h | 46 degree |
| 36 | car Opel Omega A | 25 km/h | car Volkswagen Golf II | 0 km/h | 50 degree |
| 37 | car Opel Omega A | 35 km/h | car Volkswagen Golf II | 0 km/h | 51 degree |

1 to 5 of 5 publications

figure 5 – search field 'Crash Tests' with advanced search options

The default setting of the search filter will always include in the list **all** data found. Not all tests can be displayed on one page. Use the arrows in the bottom righthand corner to scroll through the list.

You can use the filter to narrow the search. The filter links all parameters entered into the list boxes with the operator 'AND', so that only tests which fulfil *all* criteria entered will be found.

Please note that when choosing a make of car in the list box 'make', the page will automatically reload, so that only models from that manufacturer will be displayed in the list box 'model'.

8 Researching Events

There are no particular search options for the category 'Events'. The list of events is sorted by date, beginning at the top with the closest date. Events furthest in the future are listed last.

Click on the title of an event for details on it to be displayed. You can also change the order the events are sorted by - as with publications, you do this by clicking on the respective column header.

9 Researching Addresses

Generally, you conduct a search for an address in the same way as you would search for a publication (cf. chapter 6). Clicking on the channel 'Addresses' in the main navigation menu will display all addresses in the list. Please note that the addresses listed will take up several pages. Use the arrows in the bottom righthand corner of the page to scroll through the list.

An important note: You will only see the entire address database when you are logged in to the site with your username and password. When you are not logged in, only addresses which are 'public' can be seen (cf. your settings in 'My Details' – chapter 5).

If you know the **name** of the person you are searching for, enter it into the search box 'name' and click on 'Start Search'. You can also look for part of a name, or use so-called 'wild cards', as in the following examples:

- by searching for 'shaw' you can find 'Shaw', 'Shawcross' but not 'Bradshaw'
- by searching for '*shaw' you can find 'Shaw', 'Shawcross' and 'Bradshaw'

10 Researching links

In the EVU database, links to other websites are contained. The order in which this list is displayed can be changed by clicking on one of the column headers. Entering a term into the box 'Free Text Search' will display links with that term in their web address, or in the description of that link. By clicking on a link you open the corresponding website in a new browser window.