

## Technical Exhibition

The 2010 HVIS will provide commercial exhibit opportunities for the display of technical services and products pertaining to high velocity impact studies. Around 150 scientists, engineers and managers from government organizations, national laboratories, industrial laboratories, and universities in the U.S., Europe, Japan and Russia are expected to attend. Exhibit booths will be set up next to the symposium hall. The coffee and soft drink service station as well as service desks will be located in the exhibition space. Exhibitor booths will be assigned to all applicants on a first come, first served basis. A limited number of spaces are available, all of essentially the same quality. If you want to express your interest in participating in the exhibit or want to request further information, please send an e-mail to one of the exhibitor Co-chairs or contact brigitta.soergel@hvis2010.org, Tel +49 761 2714-362.

## Conference Tour

The Conference Tour is scheduled for **Tuesday, April 13, 2010**. It will take approximately half a day.

We will visit the "Europa-Park" in Rust, Germany's biggest theme park with Europe's highest and biggest rollercoaster.



© Europa-Park

Furthermore, it has twelve Europe-themed areas with more than 100 attractions and shows for all ages. The "Europa-Park" in Rust was awarded the "Theme Park of the Year" in Europe 2007/2008. For more information, please, go to [www.europapark.de](http://www.europapark.de).

## Companion Program

The companion program offers various options for half day and full day tours to sights in the vicinity of Freiburg. For the half day event companions can choose between a tour through "Green City" Freiburg center with its ecovillage Vauban, a tour to the valley of river Rhine and Kaiserstuhl, a tour to Black Forest including a visit of a traditional glassworks factory or a goat cheese diary.

For the full day tour we can offer a trip to Strasbourg city including a visit to the European Parliament and the "Little Venice" area, an excursion to black forest with visit of a traditional farmhouse or of a cuckoo clock factory, a castle excursion to Haut Koenigsbourg in Alsace.



Haut Koenigsbourg

© Serge Lohner

Don't forget to express your interest in participating in the companion program in the Registration/Accommodation section at [www.hvis2010.org](http://www.hvis2010.org).

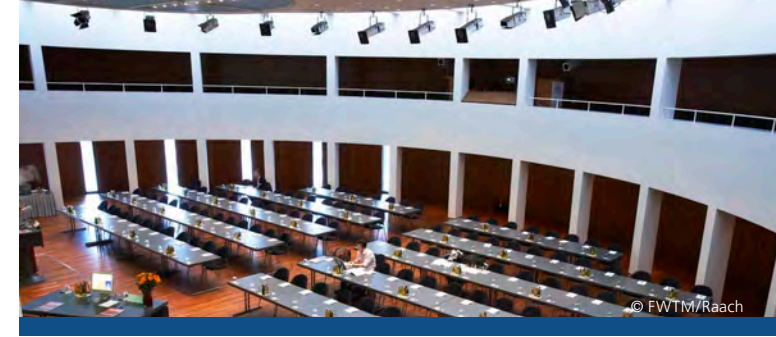
## Freiburg im Breisgau, Germany

Freiburg is closely located to two other famous cities, Strasbourg in France and Basel in Switzerland.

This proximity adds to a cosmopolitan atmosphere in Freiburg. Furthermore, Freiburg is surrounded by the Black Forest and is the fourth largest city in Baden-Württemberg. Being in the very South of Germany, Freiburg is known to be the sunniest and warmest city in Germany. The



residents of Freiburg are also renowned for their ecological thinking. It is easy to understand why – once you have been to the beautiful Black Forest with its lush vegetation and picturesque scenery.



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## 11th Hypervelocity Impact Symposium 2010 Freiburg, Germany

Hosted by Ernst-Mach-Institut, (EMI)



**Second Call for Abstracts**

**Abstracts Due: July 15, 2009**

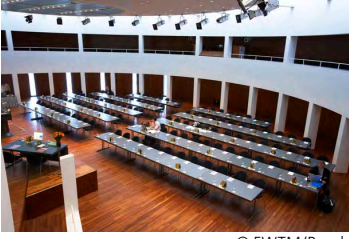
See <http://www.hvis2010.org> for updated information

**New Abstract  
DEADLINE  
July 15**

## Hypervelocity Impact Symposium

**April 11–15, 2010**  
**Konzerthaus Conference Center**  
**Freiburg im Breisgau, Germany**

The Hypervelocity Impact Symposium is a biennial event that is dedicated to enabling and promoting an understanding of the basic physics of high-velocity impact and related technical areas. This international event provides a forum for researchers to share and exchange a wealth of knowledge through oral and poster presentations and commercial exhibits.



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HVIS 2010 will be the eleventh symposium in the series and will be held in Freiburg at the "Konzerthaus Conference Center". The congress center is conveniently located five to ten minutes from the historic center of Freiburg and situated next to the main train station.

### Symposium Co-Chairs

Frank Schäfer [frank.schaefer@hvis2010.org](mailto:frank.schaefer@hvis2010.org)      Stefan Hiermaier [stefan.hiermaier@hvis2010.org](mailto:stefan.hiermaier@hvis2010.org)

### Exhibit Co-Chairs

William D. Reinhart [wdrinh@sandia.gov](mailto:wdrinh@sandia.gov)      Masahide Katayama [masahide.katayama@ctc-g.co.jp](mailto:masahide.katayama@ctc-g.co.jp)  
 Sandia National Laboratories      ITOCHU Techno-Solutions Corp.

### Symposium Coordinator

Brigitta Soergel  
 Phone +49 761 2714-362  
[info@hvis2010.org](mailto:info@hvis2010.org)

## Topics Symposium

Hypervelocity Phenomenology Studies
High-Velocity Launchers and Diagnostics
Spacecraft Meteoroid/Debris Shielding and Failure Analyses
Material Response (including EOS)
Fracture and Fragmentation
High-Velocity Penetration Mechanics and Target Response
Armor/Anti-Armor and Ballistic Technology
Analytical and Numerical Methodologies
Asteroid Impact and Planetary Defense Technology
On the 11th HVIS a special session on Large Meteorite Impact is planned with presentations extracted from the last topic.

## Technical Committee

- |                                    |                                  |
|------------------------------------|----------------------------------|
| Yasuhiro Akahoshi (Japan)          | Masahide Katayama (Japan)        |
| Frank Aldekamp (Germany)           | Erhardt Lach (France)            |
| Detlef Alwes (Germany)             | Michel Lambert (The Netherlands) |
| Werner Arnold (Germany)            | Elie Levy (Israel)               |
| Toshiyuki Atou (Japan)             | Mark Mozer (Germany)             |
| Thilo Behner (Germany)             | Dennis Orphal (USA)              |
| Steve Beissel (USA)                | Ted J. Orzechowski (USA)         |
| Masuhiko Beppu (Japan)             | Nik Petrinic (Germany)           |
| Stephan Bless (USA)                | Kaliat T. Ramesh (USA)           |
| Tore Borvik (Norway)               | Brian Roebeck (USA)              |
| Mark Boslough (USA)                | Ernst Rottenkolber (Germany)     |
| Mark J. Burchell (England)         | Martin Schmidt (USA)             |
| Eric Buzaud (France)               | William Schonberg (USA)          |
| Eric Christiansen (USA)            | Peter Schultz (USA)              |
| Roberto Destefanis (Italy)         | Don Shockey (USA)                |
| Alessandro Francesconi (Italy)     | Jean-Marc Sibeaud (France)       |
| Gadi Gans (Israel)                 | Doug Templeton (USA)             |
| Mike Giltrud (USA)                 | Rade Vignjevic (England)         |
| Dennis Grady (USA)                 | Tracy Vogler (USA)               |
| Gene Hertel (USA)                  | Stephen Walley (England)         |
| Andrey Ioilev (Russian Federation) | Kai Wünnemann (Germany)          |

## Submission of Abstracts

Scientists, engineers, and technical managers from academia, industry, government, and defence programs are invited to submit abstracts describing new research, innovative methods, and ground-breaking technological developments in one of the symposium topics. The abstract should be a comprehensive self-contained summary of the planned paper, explaining in some detail why the paper would be of interest to the

participants of the symposium. The most important results should be listed. Abstracts should be at least 1-1.5 pages long. Important figures, tables, and equations should be appended to the abstract. The authors are responsible to obtain any clearance for their abstract and the planned paper, if applicable. Abstracts submitted for review will be unlimited distribution. Abstracts must be submitted not later than **July 15, 2009 (new deadline!)**. Abstracts can be submitted on the symposium website [www.hvis2010.org](http://www.hvis2010.org), after creating a personal account in the "Submission" section. All technical papers (oral and poster) will undergo a peer-review and will be published in the conference proceedings. Papers of outstanding scientific quality or technical scope that are suitable for advancing the understanding and knowledge in one of the above areas will be published in a special edition of the Journal of Impact Engineering of Elsevier publishing house.

## Important Dates

July 15, 2009	Abstracts Due (new Deadline)
July 31, 2009	Notification of Authors
July 31, 2009	Nomination for Alex Charter Student Scholars Program
August 1, 2009	Award nominations
Oktober 2009	Preliminary technical program
October 15, 2009	Papers Draft Due
January 2010	Revised Papers Due
January 2010	Final technical program
April 11, 2010	HVIS 2010 Starts

## Registration and Accommodation

On our website [www.hvis2010.org](http://www.hvis2010.org), starting from October 2009 you will be able to register for the symposium, to pay the symposium fee online in a secured mode, and to book a hotel room from a list of recommended hotels.

### Registration

For expressing your interest in HVIS 2010, visit [www.hvis2010.org](http://www.hvis2010.org). You and your companion will receive updated information about the conference automatically.

