

## HySafe Training on Safety of Hydrogen Systems

Venue: BAM Fed. Institute for Materials Research and Testing, Berlin

Date: October 17, 2012



## TRAINING COURSE – SAFETY OF HYDROGEN SYSTEMS

**Presented in conjunction with other HySafe events**

### **Why This Course?**

This course will address topics such as hydrogen compatibility, identifying and evaluating hazards in hydrogen systems, managing risks in hydrogen systems, minimizing the severity of the environment, choosing materials to withstand the environment, and good practices for hydrogen systems operation and maintenance. It is specifically intended for anyone who operates or maintains any type of hydrogen system.

### **Special Benefits**

1. Learn from instructors who are experts in the field.
2. Give you the opportunity to discuss your special situations with these experts in a small group.
3. Receive a course workbook.

### **Who Should Attend?**

Those involved in the production or use of liquid or gaseous hydrogen or hydrogen-enriched gas mixtures, including:

- Technicians
- Plant Managers and Operators
- Safety Professionals
- Students

### **Program**

- Basics on hydrogen properties, ignition, explosives
- Typical reported accidents
- Material/Compatibility (materials and non-materials)
- Storage of hydrogen of related safety aspects (gaseous, LH<sub>2</sub>, hydrides)
- Transport of hydrogen and related safety aspects
- Stationary equipment and related safety aspects

# Safety of Hydrogen Systems

HySafe training course

Wednesday, October 17

BAM Fed. Institute for Materials Research and Testing, Berlin

[Text eingeben]



## Program draft

Time	Topic	Details
08:00 – 08:45	Registration	
08:45 – 09:00	Opening	Welcome
		Practical details
		About HySafe
09:00 – 09:45	Introduction, basics	General safety
		Hydrogen properties
		Ignitions, explosions
09:45 – 10:30	Material compatibility	Metals
		Non-metals, polymers
10:30 – 10:45	Coffee break	
10:45 – 11:30	Transport of hydrogen	Cylinders
		GH <sub>2</sub> trailers
		LH <sub>2</sub> trailers
		Pipelines
11:30 – 12:15	Storage of hydrogen	Gas
		Liquid
		Compounds
12:15 – 13:30	Lunch, laboratory visit (tbc)	
13:30 – 14:15	Practical experience	Explosion protection
		Real accidents
14:15 – 15:30	Stationary equipment	
15:30 – 15:45	Final remarks, closure	

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### REGISTRATION FORM (deadline September 7, 2012)

Name \_\_\_\_\_

Institution/Organization \_\_\_\_\_

Address \_\_\_\_\_

State / Province \_\_\_\_\_ Zip code \_\_\_\_\_ Country \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

Undergrad / MSc / PhD and year in the program \_\_\_\_\_  
(for students only)

PLEASE FAX OR EMAIL THE COMPLETED FORM TO CONTACT INFORMATION BELOW.

Contact info: Ulrich Schmidtchen, [ulrich.schmidtchen@bam.de](mailto:ulrich.schmidtchen@bam.de)  
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AIR LIQUIDE, 75 quai d'Orsay, 75007 Paris, France  
Phone : +33 (1) 40 62 55 01, Fax : -5795

REGISTRATION FEES: FULL REGISTRATION 250 €, STUDENT REGISTRATION 125 €

#### Payment by wire transfer:

IA HySafe account routing (ING Bank)

IBAN : BE97363055979649, Code BIC (Adresse SWIFT ING) : BBRUBEBB

Reduced fee? Please tick here and provide proof (student card or similar) on arrival