

Join us for the



## International Workshop

# On Hydrogen Safety Training for First Responders

**SEPTEMBER 3—4, 2014**  
**Aix-en-Provence, France**

Ecole Nationale Supérieure des Officiers de Sapeurs-Pompiers

“Hydrogen and Fuel Cell (FCH) technologies and applications both in transport and energy sectors arrive to the market today. Fire authorities’ and First Responders’ awareness and knowledge of these new technologies are limited. An adequate training is therefore required to provide knowledge and essential skills on how to handle potential incidents/accidents at FCH systems and infrastructure; how to protect the public without putting First Responders’ own life at risk. The “First International Workshop on Hydrogen Safety Training for First Responders” will take place on the 3rd and 4th of September 2014 at ENSOSP site in Aix en Provence, France.

The workshop is organized within the frame of HyResponse, an EC funded project. It will gather the International First Responders community with the view to present/exchange ideas and get feedback on the hydrogen safety training initiatives under construction. International keynote speakers are invited and FCH technologies will be exhibited.

All the details are available at: <http://www.hyresponse.eu/workshop.php>

Please submit your registration form as soon as possible.”

**An event not to miss!!**

**Deadline: 18 August 2014**

**No registration fee**

Send your application  
to: [colloque@ensosp.fr](mailto:colloque@ensosp.fr)  
CC : [marc.lopez@ensosp.fr](mailto:marc.lopez@ensosp.fr)  
[ahmed@fast.mi.it](mailto:ahmed@fast.mi.it)

**Address:**

**ENSOSP**

**The French Academy for Fire,  
Rescue and Civil Protection Officers  
1070, rue du Lieutenant Parayre  
BP 20316  
13798 Aix-en-Provence CEDEX 3  
FRANCE  
Tél. : +33 (0) 442 390 400**

**Partners:**



*HyResponse is a Coordination and Support Action project supported by the Fuel Cells and Hydrogen Joint Undertaking (FCH JU)*



# International Workshop

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### Agenda

#### A. Wednesday, September 3, 2014

From	To	Topic	Speaker
9:00	9:30	Registration	
9:30	9:40	Opening	Colonel François Mené, Director ENSOSP
9:40	10:10	The FCH JU Program, Achievements and Prospects Under Horizon 2020	Bert De Colvenaer, Executive Director FCH JU
10:10	10:40	US DoE, Perspective in Hydrogen and FC	Kym Carey, US DoE
10:40	11:00	European Hydrogen Association Activities	Marieke Reijalt, European Hydrogen Association
11:00	11:20	Coffee Break	
11:20	11:40	Overview of HyResponse Project	Marc LOPEZ and François LAUMANN, ENSOSP
11:40	12:00	FC Statistics and Feedback	Adrien Zanoto, Air liquide
12:00	12:20	Overview of HyResponse educational training programme	Svetlana Tretsiakova-McNally, University of Ulster
12:20	12:40	Operational training platform	Franck Verbecke, AREVA ES
12:40	13:00	Virtual Reality training platform	Eric Maranne, CRISE
Lunch Break			
14:30 - 17:30	Visit to ENSOSP Operational Training Platform		
	Demonstration of FC vehicle firefighting		
	Visit to Exhibition of FC applications		
17:30	18:00	Discussion and closing of Day 1	
19:30		Official dinner	

#### B. Thursday, September 4, 2014

From	To	Topic	Speaker
9:00	9:20	ISO/TC 197/WG 24 "Gaseous hydrogen fueling stations"	Guy Dang-Nhu, Julie Flynn, Air Liquide
9:20	9:40	Regulations, Codes and Standards relevant to First Responders	Randy Dey, CCS global
9:40	10:00	Hydrogen from the Fire Department's Perspective	Franz Petter, Hamburg Fire Brigade
10:00	12:00	Coupled hydrogen accident intervention exercise: Virtual reality simulator Real life industry and firefighters intervention	
12:00	13:30	Lunch Break	
13:30	13:50	Purpose and actions of CTIF's commission for extrication and new technology	Kurt Vollmacher, CTIF (International Association of Fire and Rescue Services)
13:50	14:10	First responders training in U.S.	Steven Weiner, Pacific Northwest National Laboratory
14:10	14:30	MSc course in Hydrogen Safety Engineering at Ulster University	Vladimir Molkov, University of Ulster
14:30	15:00	Coffee and feedback forms	
15:00	16:00	Discussion and workshop closing	