



# CHEMSS EDUCATION R&D NETWORK

## Invitation for participation

**CHEMSS Education R&D Network** was initiated during second global summit on chemical safety and security - **CHEMSS2017** ([www.chemss2017.org](http://www.chemss2017.org)) during signing ceremony on 21 September, 2017 in Shanghai;

The leading partners are The China Petroleum and Chemical Industry Federation, CPCIF, China, Shanghai University of Applied Technology, Shanghai, China, The International Centre for Chemical Safety and Security (ICCSS), China, Vistula Group of Universities, China

CHEMSS2017 Shanghai Declaration welcome the initiation **Education R&D Network** as a global gathering of universities, research centers, academic institutions, laboratories, industries and training facilities, which aims to meeting the growing needs in chemical and environmental safety and security education, training, research and talent acquisition.

## **MAIN OBJECTIVES OF THE CHEMSS EDU R&D NETWORK**

Supporting the activities of the Parties and other international entities that promote the peaceful use of chemistry and the strengthening of chemical and environmental safety and security;

Developing series of educational and training programs, including graduate (Master of Science), post-graduate, training courses, and certificate programs in the areas of chemical and environmental safety and security, tailored to the needs of industries and countries, especially developing countries;

Building strategies for the development of modern technology and equipment for the safety and security of the development, production, infrastructure and the chain of supply of chemicals and energy carriers;

Initiating and conducting scientific and technical research.

# SCOPE of ACTIVITIES

Education, training and research in all areas of chemical and related environmental and food safety and security.

From the development of the MSc program to prepare highly educated staff with in-depth knowledge, post-graduate studies, through specialized courses, to the development of certified chemical safety and security specialists.

To develop curriculum for short courses suitable for continuing education or possible on the job training programs or fellowship programs.

Emphasis will be put on the recent and incoming safety and security challenges, including cyber safety and security.

## 4 AREAS OF COOPERATION

**Area 1** - overview of the background, objectives, scope and structure of the Education and Training Chemical Safety and Security Plan, analyze its relationship to existing educational and training programs which contain chemical and related environmental and food safety and security components.

**Area 2** - focus on the human resource development aspect of capacity building in chemical, environmental and food safety and security in general.

**Area 3** overview of the recommended MSc program, post-graduate program, set of specialized courses, and a certificate program for the development of certified chemical and environmental safety and security specialists.

**Area 4** introduction to the modern technologies and techniques, to be introduced and implemented to meet the growing pace of science and industry developments in chemical and environmental and food sectors. Emphasis on industrial cyber security .

# **BENEFITS FROM JOINING CHEMSS EDUCATION R&D NETWORK**

**CHEMSS EDUCATION R&D NETWORK** offers its members an innovative approach to develop and implement education and training in the areas of chemical and environmental safety and security and sustainable chemistry. It will tailor the needs of chemical, environmental and energy industries and countries of emerging economies, with the potential of the developed world.

**CHEMSS EDUCATION R&D NETWORK** combines dedicated professional education and training with modern HR, where the science meets business and industry needs.

**CHEMSS EDUCATION R&D NETWORK** offers access at their places to get the best education and training programs available in the developed countries.

**CHEMSS EDUCATION R&D NETWORK** combines R&D of the participants to develop modern solutions in safety and security, environmental protection and food safety.

# WHY TO JOIN CHEMSS EDUCATION R&D NETWORK?

- 1. Increased business and generation of most modern education/training opportunities and referrals.** EDU R&D NETWORK allows you to accommodate your education and training offers to industry needs. The members will develop new education and training products and share their services.
- 2. New education/training opportunities.** The members will get through EDU R&D NETWORK high quality education and training programs.
- 3. Opportunities and growing market research.** Combined approach by members offers new opportunities like joint studies and trainings, client leads, partnerships.
- 4. Advice.** EDU R&D NETWORK is a great way to tap into advice and expertise that members wouldn't not be able to get.
- 5. Contribute to industry/community.** The EDU R&D NETWORK is being developed to provide leaders who look for solutions and ways to improve industry safety and process safety and environmental protection and community well-being.

# Working together to enhance chemical safety and security

## Contact

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