



EXTREME LOADING ANALYSIS OF PETROCHEMICAL
PLANTS AND DESIGN OF METAMATERIAL-BASED
SHIELDS FOR ENHANCED RESILIENCE



<http://r.unitn.it/en/dicam/xp-resilience>

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COURSE ANNOUNCEMENT

25th September 2019, VCE Vienna Consulting Engineers ZT GmbH
Marxergasse 1b, 1030 Vienna, Austria

Human Science to promote Community Risk-Wise Behaviour

Course Objective

When responding to risk, it is not sufficient to know which risk-averse actions are most effective. Public will is also required. Decision makers at all levels need to understand the issues, including the risks, and to become motivated towards risk minimizing action.

Risk is defined and studied differently across disciplines. The simple definition of risk, $\text{Risk} = \text{Hazard} \times \text{Exposure} \times \text{Probability}$, implies that if decision-makers are provided with adequate information about the hazard itself, correct information on their level of, and estimations of the probability of being impacted at that location, they can make reasonable estimations of personal risk. However, providing reliable data is only part of the process. If that were all it took, then any two people given the same information and set of circumstances would make similar decisions regarding evacuation. But that is not the case. Human behavior is far more complex, and this is particularly true when choices are made under risky conditions.

This course gives an overview on "Defining Risks", "Risk Attitude", "Risk Assessment" and "Risk Communication".

Who should attend

Graduate students, postdoctoral researchers and practitioners interested in the fields of natural and industrial hazard identification and quantification

Speaker

Prof. Helmut Wenzel



Prof. Helmut Wenzel, chair for asset management and condition assessment at the University of Life Sciences in Vienna is very well recognized as successful project manager and researcher whose main interests are related to the performance and management of structures/infrastructures subjected to earthquake loading as well as structural health monitoring and risk-based system identification. Prof. Wenzel was 40 years managing director and head of research and development at VCE Vienna Consulting Engineers a private owned consulting company. Currently he is managing director of Wenzel Consulting Engineers.

He is also political advisor to the Austrian Government on man-made and natural risks. He coordinated successfully European projects with focus on natural hazards (IRIS NMP2-LA-2009-213968) and with Earthquake risk (NERA FP7-INFRASTRUCTURES-2010-262330 and Syner-G FP7-ENV-2009-244061).

Schedule

Tuesday 25 th September 2019	
09:00 - 12:00	Defining Risk, Risk Attitude
	Lunch Break
14:00 – 17:00	Risk Assessment, Risk Communication

Information about the venue and accommodation

Venue

The short course will be held at the head office of VCE located (www.vce.at/contact) in the office building “Citypoint” located in Marxergasse 1b, 1030 Vienna Austria. The office is close to the city terminal of the city-airport train CAT, the underground station “Landstraße Wien Mitte” which is serviced by the underground lines U3 and U4 and the rail station “Wien Mitte” of Austrian Federal Railways.

SITE MAP

Untere Viaduktgasse 2, 1030 Vienna



Accommodation

There are plenty hotels downtown of Vienna, which is walking distance to the head office of VCE. However, it is advised that participants book the accommodation far in advance since Vienna is a very touristic spot and prices can increase highly on short term booking.

Registration

Please fill following form and return it together with the bank receipt to Mrs. Jana Gulas gulas@vce.at

Name:		
Organization:		
Mailing address:		
City:	Zip:	Country:
Phone:		
E-mail:		
Registration Fee 90 €		

Please make your payment of the registration fee to following bank account:

Account name: VCE Vienna Consulting Engineers ZT GmbH
IBAN: AT32 1200 0245 1094 8900
BIC/SWIFT: BKAUATWW
Bank Name: UniCredit Bank Austria AG

Please after the payment, e-mail a scanned copy of the bank receipt to gulas@vce.at

Registration Deadline: 10th Mai 2019