

GENERAL INFORMATION

Target group:

The training course is aimed at: representatives of institutions and public administrations involved in the management of polluted sites, researchers and technicians working in the characterization and remediation sector, undergraduate or master students

Registration:

Please register directly online at the RemTech 2018 home page: www.remtechexpo.com under the section Remtech Trainin School.

Participation is guaranteed for a limited number. Please register as soon as possible on the RemTech 2018 site. A small subscription fee will be required to cover the costs of preparing and distributing teaching materials.

Hotel: Suggestions and directions on the site web: www.remtechexpo.com.

REMTECH TRAINING SCHOOL

The sixth edition of the RemTech Training School will be held during the 2018 edition of the RemTech Remediation Technology Salon, REMTECH Expo 2018. The school is traditionally organized in collaboration with the Master in "Characterization and Technologies for the Remediation of Contaminated Sites" of the University of Rome "La Sapienza".

Starting from 2013, monographic training events on central issues in the management of polluted sites, from the advanced characterization to innovative remediation technologies, have been organized during each edition of the RemTech fair. Every edition of the RemTech Training School is characterized by an introduction, generally academic, that illustrates the participants the theoretical basis of the specific topic, followed by presentations of practical experiences, with particular reference to the national panorama.

The RemTech Training School is aimed at researchers and technicians working in the field of characterization and remediation of polluted sites, as well as representatives of the institutions and control bodies involved in the technical and administrative procedures for the management of polluted sites.

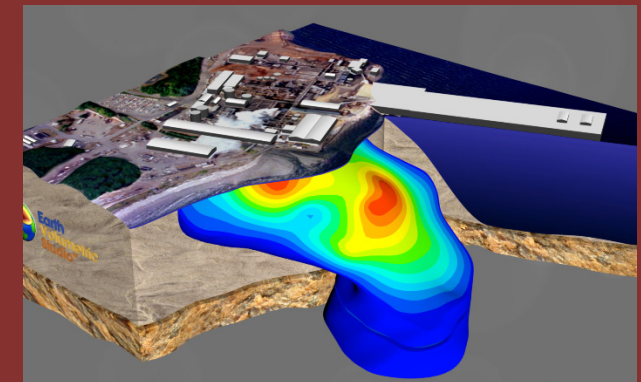
The RemTech Training School benefits from national and international expertise from academia and research as well as industrial and applicative world.

REMTECH TRAINING SCHOOL - VI EDITION

RemTech 2018
Fiera di Ferrara,
September 19th, 2018

14:30 – 17:30

“Advanced Conceptual Site Model as a support to the design of optimal remediation: from High Resolution Site Characterization to Virtual Reality representation”

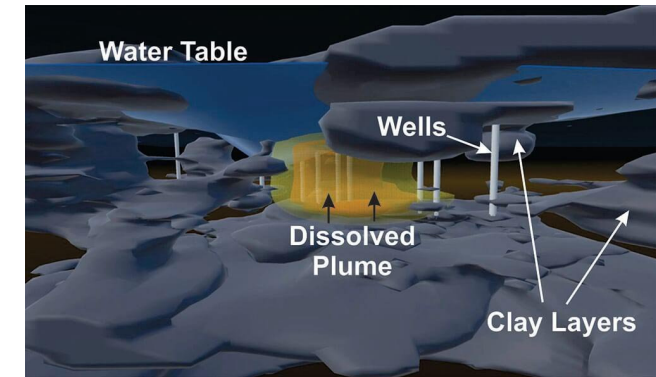
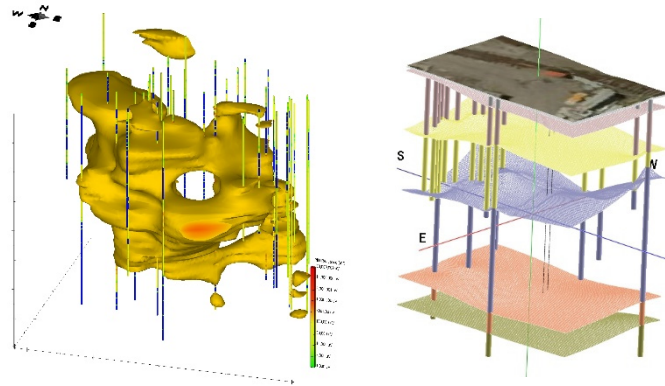


“Advanced Conceptual Site Model as a support to the design of optimal remediation: from High Resolution Site Characterization to Virtual Reality representation”

In the Italian legislation, but the same is often found in many other countries, the "characterization" phase is designed to support the definition of the Conceptual Site Model necessary for the application of the Risk Analysis and identification of the remediation targets. Often, the Characterization Plan is executed long before the selection and design of reclamation interventions (which is very evident in the National Priority Sites) and, in any case, the obtained information are useful for the application of the AdR but very often insufficient to the correct planning of the interventions.

In the recent years, advanced technologies have been developed to obtain information on site characteristics and on the distribution of contamination with a resolution significantly higher than that deriving from traditional approaches (HRSC, High Resolution Site Characterization). By integrating these results with the previous knowledge and with different types of information, it is now possible to construct Conceptual Site Models that are more suitable for identifying the correct remediation strategy. The large number of data consequently available requires also a different modality in their management and representation. By this regard, three-dimensional models and the Virtual Reality are becoming an important support for the appropriate design of the remediation strategy but also as a communication tool with local authorities and public opinion.

Through some representative case studies, both from the Italian reality but also deriving from international experiences, the course aims to provide participants with examples on how the development of "Advanced" Concept Site Models allows to identify the best reclamation strategy in terms of real cost optimization / benefits.



REMTECH TRAINING SCHOOL VI EDITION

“Advanced Conceptual Site Model as a support to the design of optimal remediation: from High Resolution Site Characterization to Virtual Reality representation”

Coordinators:

Prof. Marco Petrangeli Papini
Prof. Rajandrea Sethi
Dr. Silvia Paparella

Registration information and payment methods (30 €):

Organizational Secretariat
Dr. Simona Campana
Tel. 0532 900713 - 909495
secretariat@remtechexpo.com

In collaboration with the Master in "Characterization and Technologies for the Remediation of Contaminated Sites" of the University of Rome "La Sapienza"

www.masterbonifica.uniroma1.it

info at www.remtechexpo.com

PROGRAM

First part

Introduction and general concepts (14:30 – 15:15)

- **From the Conceptual Site Model as a support to the Risk Analysis to that necessary for the selection and planning of remediation interventions**
Marco Petrangeli Papini (Università degli Studi di Roma "La Sapienza")
High resolution technologies for the characterization of contaminated sites (High Resolution Site Characterization): state of the art
Rajandrea Sethi (Politecnico di Torino)

Second Part

Case Studies (15:15 – 17:30)

- **Example in the application of HRSC for the identification of the active contamination sources**
Eugene Martac, Claudio Carusi (Mares Italia)
- **The need for high resolution information in the management of complex sites**
Christian Nielsen (Tauw Italia), Marco Lupi (SGM)
- **Integration of information deriving from the traditional characterization, HRSC and advanced instrumental analysis for the identification of the correct remediation strategy in a site contaminated by fuels**
Paolo Rizzetto (Aeronautica Militare)
- **Advanced Tools for the accurate representation of Conceptual Site Models: Three-dimensional Models and Virtual Reality**
Wouter Gevaerts