

SESSION 19 Groundwater Remediation

WEDNESDAY 20 SEPTEMBER
14.30 – 16.30 CEST (Central European Summer Time)

White Room
1° floor

Opening

14:30 Welcome from *Marco Falconi (ISPRA)* and introduction from the Chairs

Presentations

- 14:35** Field test of a pilot scale sequential reductive/oxidative bioelectrochemical processes for cahs removal from contaminated groundwaters
Edoardo Dell'Armi, Marco Zeppilli, Paolo Ciampi, Marco Petrangeli Papini ("La Sapienza" University of Rome)
- 14:50** Surfactant Enhanced Extraction of NAPL, Globule, and Sorbed Phase Contamination Resolving Primary Hydro-Geo-Chemical Limitations
George A. Ivey, B.Sc, CES, CESA, P.Chem (Ivey International Inc)
- 15:05** Green synthesis of nZVI with common reed and its application in Fenton-like decolorization process
Nataša Slijepčević, Aleksandra Kulić Mandić, Đurđa Kerkez, Anita Leovac Mačerak, Dunja Rađenović, Milena Bečelić-Tomin, Dragana Tomašević Pilipović (University of Novi Sad)
- 15:20** Technology for Continuous, In-Situ Production of Reactive Oxygen Species
Troy Lizer, Will Moody (Provectus Environmental Products), Claudio Sandrone (BAW Remediation Technologies), Elie Elgressy (Elgressy Ltd.)
- 15:35** Activation of persulfate and peroxymonosulfate by zero-valent iron and iron-copper bimetals for the chemical oxidation of halogenated contaminants in water
Giovanni Scaggiante, Daniela Zingaretti, Renato Baciocchi (University of Rome Tor Vergata), Alicia Checa-Fernandez, Carmen Maria Dominguez, Aurora Santos (University Complutense of Madrid)
- 15:50** Accurate distribution and its importance for the treatment of petroleum hydrocarbons using colloidal activated carbon
Todd Herrington, Mariangela Donati, Marcello Carboni (Regenesis)
- 16:05** Adsorption process as the best available treatment technology for PFAS removal from water: current gaps and research needs
Erica Gagliano (University of Genoa), Massimiliano Sgroi (Polytechnic University of Marche), Pietro P. Falciglia, Federico G.A. Vagliasindi, and Paolo Roccaro (University of Catania)
- 16:20** Panel discussion moderated by chairs

16:30 End of the session

Register yourself in the Google form <https://forms.gle/BDZhk6611DD3ipxr9>