The Symposium is jointly organised by ÖGHMP and the partners of the EU Research Project INTELLIPOOL in the frame of the 35th biennial Conference of the Austrian Society for Hygiene, Microbiology and Preventive Medicine.

Scientific committee:
Lothar Erdinger, Germany
Franz Mascher, Austria
Regina Sommer, Austria

The EU Research Project "Intelligent control of swimming pool disinfection with reduction and treatment of harmful by-products" (INTELLIPOOL) has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement no FP7-SME-605804.
PROGRAMME

09:00 Welcome

Key note
Ernest R. Blatchley III, USA  Formation of Disinfection By-Products in Swimming Pool Water

Microbiological and chemical Aspects
Vincenzo Romano Spica, IT  Pool Water Quality Regulations in Italy and innovative issues for future monitoring
Athena Mavridou, GR  Pool Water Quality Regulations in Greece
Regina Sommer, AT  Strategies and Regulations of Pool Water Hygiene in Austria

Coffee and Tea Break (10:45 -11:15)
Tim Schlosser, Leon Kreuter and Lothar Erdinger, DE  Kinetics and mass balances of chloroform formation
Christiane Höller, DE  How to deal with multidrug-resistant bacteria in pool water?
Leon Kreuter, Tim Schlosser and Lothar Erdinger, DE  Disinfection kinetics in swimming pool water
Wolfgang Mascher and Franz Mascher, AT  How to deal with microbially contaminated filters in bathing water treatment?

Lunch Break (12:30 -13:30)

Technical Aspects
Ilse Stronks and Maarten Keuten, NL  How to improve hygienic behaviour in holiday park swimming pools
Anuj Sharma and Waldo R. Trujillo, UK  CFD simulation of swimming pool room ventilation with focus on energy economy and DBP removal
Kevin Feeney, UK  The importance of swimming pool ventilation for control of DBP’s, air quality and energy efficiency
Morten M. Klausen, Gert Holm Kristensen and Ole Grønborg, DK  Air-stripping technology for control of volatile DBPs - process modelling and full scale investigations

Coffee and Tea Break (14:30 -15:00)
Ole Gønborg, Gert H. Kristensen and Morten M. Klausen, DK  Drum-filters - a new energy efficient filtration technology in swimming pools
Sonia Sanchis, Laura Meschede-Anglada, Meritxell Camilo, Carlos Perez, Francesc X. Simon and Julia Garcia-Montaño, ES  Comparison of UVA-LED and conventional UVC lamps for swimming pool air treatment by means of TiO₂ photocatalysis
Morten M. Klausen, Peter V. Christensen and Troels F. Christiansen, DK  Improved on-site chlorine electrolysis for reduced chloride and chlorate concentrations

16:30  Concluding Discussion and Closing

17:00  Opening Ceremony of the 35th Conferences of the Austrian Society for Hygiene, Microbiology and Preventive Medicine