



## 8<sup>th</sup> INTERNATIONAL WATER & HEALTH SEMINAR CANNES, June 27<sup>th</sup>- 29<sup>th</sup>, 2016

### Program

#### Monday 27<sup>th</sup> June

- 14h00**      Seminar organization    **Philippe HARTEMANN , University of Lorraine , France**
- Welcome address        **Paul-Joël DERIAN, Group Senior Vice-President Science & Technology, SUEZ**
- Introduction lecture  
 \* Guidelines and Regulations in a Climate of Change  
**David CUNLIFFE, Principal Water Quality Adviser, Public Health Services, SA Health, Australia**
- 15h00**      General session
- \* Applying formal Evaluation to Water-related Training initiatives  
**Jamie BARTRAM, University of North Carolina at Chapel Hill, USA**
- PhD Students
- \* From arsenic and bacteria removal to household behavior change: How to improve access to safe water in West Bengal, India?  
**Caroline DELAIRE, University of California, Berkeley, USA**
- 16h00**      Break
- 16h30**      \* Water system breakdown typology and rehabilitation pathways in sub-Saharan Africa  
**Victoria LEIGH KLUG, University of North Carolina at Chapel Hill, USA**
- \* Policy framework on household Water Safety Plans in poor and rural areas of developing countries, application of the Water Safety Plan approach  
**Lutendo Sylvia MUDAU, Tshwane University of Technology, South Africa**
- \* Water Safety Planning: Measuring gains and implementing effective practices  
**Karen SETTY, University of North Carolina at Chapel Hill, USA**
- 18h00**      End
- 20h00**      Dinner

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## **Program**

### **Tuesday 28<sup>th</sup> June**

**09h00**      Microbiology Session

\* Microbial ecology of opportunistic pipe biofilm pathogens: Potential for probiotic control and modelling for quantitative microbial risk assessment

**Nicholas J. ASHBOLT, University of Alberta, Canada**

\* Epidemiological evidence of the significance of water and sanitation in hospitals and health care settings as infection reservoir for nosocomial infections

**Paul HUNTER, University of East Anglia , UK**

**10h00**      Break

**10h30**      PhD Students

\* Molecular characterization of norovirus strains circulating in rural communities of the Limpopo province of South Africa

**Jean-Pierre KABUE NGANDU, University of Venda, South Africa**

\* Evaluation of current molecular methods for the detection of infectious enteric viruses in environmental water

**Mats LEIFELS, Ruhr University, Bochum, Germany**

\* An amperometric method for the rapid detection of extended-spectrum  $\beta$ -lactamase producing *Escherichia coli* in wastewater treatment plant effluents

**Benoît CHANTEMESSE, University of Bourgogne Franche Comté, France**

\* *Legionella pneumophila* prevent proliferation of its natural host *Acanthamoeba castellanii*

**Luce MENGUE, University of Poitiers, France**

**12h30**      Lunch

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**Tuesday 28<sup>th</sup> June**

**14h00**      Micropollutants & Toxicology Session

\* Antibiotic resistance in wastewater

**Martin EXNER, University of Bonn, Germany**

\* Towards a pharmaceutical residues management in the hospital: a sociological analysis

**Geoffrey CARRERE, IRSTEA Bordeaux, France**

**15h00**      PhD Students

\* Assessment of risk and potential consequences of pharmaceutical residues in the coastal area of the southern Baltic Sea

**Marta BORECKA, University of Gdansk, Poland**

\* Analytics, sorption and eco-toxicological evaluation of mixtures of selected pharmaceuticals in the aquatic environment

**Alan PUCKOWSKI, University of Gdansk, Poland**

**16h00**      Break

**16h30**      \* Eco-toxicological screening of combined sewer overflow disinfected with peracetic acid and performic acid

**Ravi Kumar CHHETRI, Technical University of Denmark**

\* Effect Directed Analysis as a monitoring tool for micropollutants causing toxic effects in Finnish wastewater effluents

**Pia VALITALO, Aalto University, Finland**

\* Influence of dissolved organic carbon on performance of pharmaceuticals biodegradation by attached biofilms

**Tang KAI, Technical University of Denmark**

\* Practical application of ferrates for phosphorus and estrogen removal in Waste Water Treatment Plants

**Pavla PLACHTOVA, Masaryk University, Czech Republic**

**18h30**      End

**20h00**      Dinner

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### Wednesday 29<sup>th</sup> June

**08h30**      Technology Session - PhD Students

\* Identification of pesticide sources in the case of a peri-urban river  
**Vincent DUFOUR, University of Bordeaux, France**

\* Occurrence, formation and genotoxicity of disinfection by-products in swimming pools filled with seawater  
**Tarek MANASFI, University of Aix-Marseille, France**

\* Low cost biofilter system for protection of surface and ground water  
**Santanu MUKHERJEE, University of Bonn, Germany**

\* Electrically conductive membranes for drinking water treatment and sensing  
**Marielle DUTOIT, Duke University, USA**

\* Water quality sensor / event management in drinking water networks: a data-driven approach  
**Diego GARCIA VALVERDE, Universitat Politècnica de Catalunya, Spain**

**11h00**      Break

**11h30**      Presentation of the Water & Health Award.  
**Thierry MALLET, Executive Vice-President Group Innovation, Marketing & Business Performance, SUEZ**

**12h30**      Lunch and end of the seminar

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**13h30 - 14h00**   Meeting of the Scientific committee

**14h00 - 17h00**   Meeting of SUEZ Health & Environment Steering Committee

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