

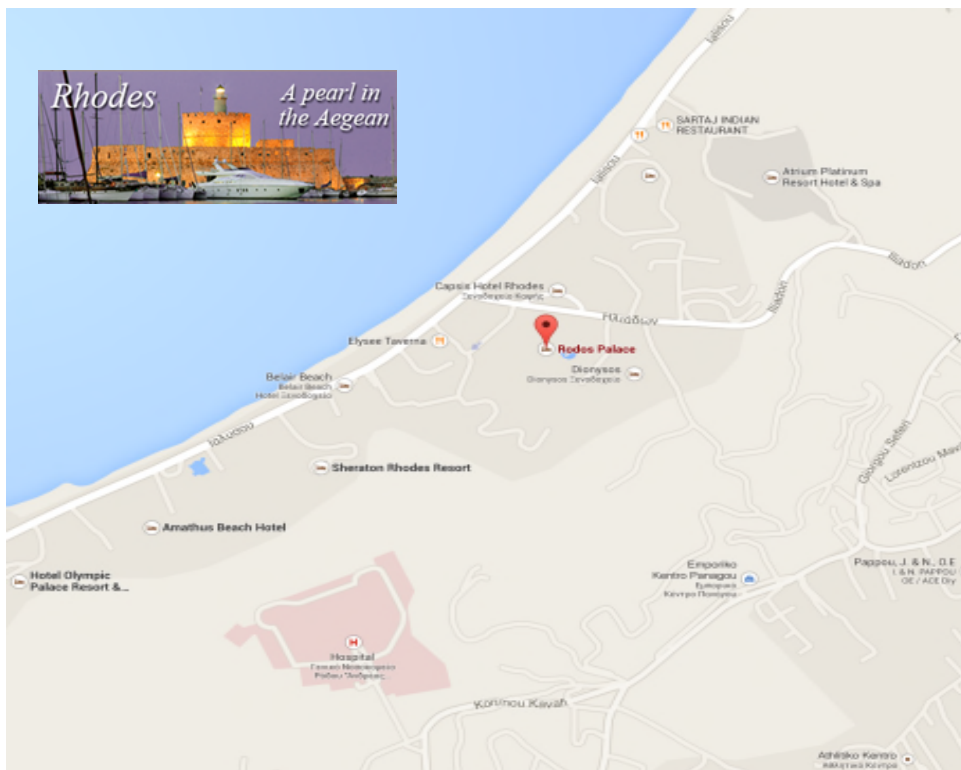
## How to find "Rodos Palace" Hotel:

### Rodos Palace

Trianton Avenue  
Ixia 851 00



From Diagoras Rhodes International airport, the hotel and convention centre can be reached by bus, taxi or car within 10-15 minutes.



## Date and Venue

This two-day workshop will take place on September 1<sup>st</sup> and 2<sup>nd</sup> 2015 in Rodos Palace Hotel, Rhodes. Note that beginning September is a high season for summer vacations. Therefore, book your flight and accommodation as soon as possible. Detailed travel information can be found at <http://cest.gnest.org/content/venue> and <http://www.rodos-palace.com/how-reach>

## Hotel

Rodos Palace Hotel offers rooms at special prices if you mention the "CEST2015 conference" upon booking. For more information have a look here:

<http://cest.gnest.org/content/accomodation>



## Programme

# 1<sup>st</sup> NORMAN workshop on analysis of problematic compounds

*How can we analyse very polar and hardly-ionisable compounds*

organised by KWR, University of Athens and NIVA

1 September 2015, 9:00 pm

to 2 September 2015, 11:00 pm

Rodos Palace: Trianton Avenue, Ixia, Rhodes, Greece

Room "Nafsika Hall A"

Attendance is free of charge

## For further information contact

Patrick S. Bäuerlein, KWR: [patrick.bauerlein@kwrwater.nl](mailto:patrick.bauerlein@kwrwater.nl)

Nikolaos S. Thomaidis, University of Athens: [ntho@chem.uoa.gr](mailto:ntho@chem.uoa.gr)



[www.kwrwater.org](http://www.kwrwater.org)  
<http://trams.chem.uoa.gr/>  
[www.niva.no](http://www.niva.no)  
[www.norman-network.net/](http://www.norman-network.net/)



## Background & Objectives

The number of polar organic compounds ending up in the water cycle is increasing. Current analytical techniques, such as reversed phase HPLC, cannot separate or retain these compounds. HILIC columns are a promising alternative chromatographic technique for the separation and determination of polar compounds. However, using these types of columns is not always straightforward and their way of working differs significantly from normal phase chromatography. Moreover, non-polar compounds cannot be ionised and determined effectively by ionisation methods, like ESI, therefore alternative ionisation techniques, like APPI, can be used in conjunction with LC separation, expanding the applicability of the LC-MS techniques.

The purpose of this two-day workshop is to share the information currently available on the analysis of polar and non-polar compounds. Both HILIC and new ionisation techniques for non-polar compounds will be discussed. The workshop will take place in Rhodes as part of the 14th International Conference on Environmental Science and Technology (CEST2015: <http://cest.gnest.org/node/1>), back-to-back to the session "Emerging Pollutants" and the TREMEPOL dissemination event (<http://tremepol.chem.uoa.gr/>), where major scientific advances will be presented on the method development for the target and non-target screening of CECs. Furthermore, research presented at this workshop can be published in a special issue of the Journal of Hazardous Material, after the normal peer review process. More information on the special issue could be provided by N. S. Thomaidis.

## Lunch break and dinner

Participation in the workshop is free of charge, including refreshments during the coffee break and lunch. A common dinner on the 1st of September is foreseen, but it is not included in the workshop cost.

### Organisers:

Patrick S. Bäuerlein,  
KWR (Nieuwegein), The Netherlands

Nikolaos S. Thomaidis  
University of Athens, Greece

Kevin Thomas  
NIVA(Oslo), Norway

The workshop is also sponsored by the 14th International Conference on Environmental Science and Technology, CEST2015.



**CEST 2015**

## Tuesday 1 September: HILIC (Chair: Patrick S. Bäuerlein)

- 09:00** Arrival and Registration
- 09:30** Basic theory and method development and optimization of HILIC methods (Nikolaos Thomaidis)
- 10:00** HILIC as a tool in environmental research. What is its potential? (Annemieke Kolkman)
- 10:30** HILIC-QTOF-HR-MS/MS for the orthogonal screening and identification of polar micropollutants in environmental samples (Anna Bletsou)
- 10:50** Orthogonal identification of biotransformation products by HILIC-QTOFMS/MS (Aikaterini Psoma)
- 11:10** Study of the metabolism of zebrafish (*danio rerio*) embryo exposed to triclosan and benzotriazoles by HILIC-TOF-MS (Dimitrios Damalas)
- 11:30** Panel discussion + Coffee
- 12:30** Lunch
- 13:30** Hydrophilic interaction liquid chromatography coupled to mass spectrometry for targeted and non-targeted metabolomics (Marja Lamoree)
- 14:00** RPLC/HILIC/API-MS: polarity extended analysis for organic molecules in water bodies (Sylvia Grosse)
- 14:30** Panel discussion + Coffee

## APPI (Chair: Nikolaos Thomaidis)

- 15:00** APPI in environmental chemistry (Pim de Voogt).
- 15:30** Development and optimization strategy of LC-APPI-MS methods for the determination of halogenated compounds in environmental matrices (Nikolaos Thomaidis).
- 16:00** Advantages and challenges of APPI for the analysis of environmental matrices (Juliane Hollander)
- 16:30** Panel discussion + Coffee
- 18:00** End of day 1
- 19:30** Common dinner, TBA (at your own cost)

## Wednesday 2 September: APPI Part II (Chair: Nikolaos Thomaidis)

- 09:00** Beginning of day 2
- 09:30** Discussion and Workshop Wrap-up
- 11:00** Kick-off meeting of the NORMAN Cross-Working Group Activity on Non-Target Screening (Chair: Juliane Hollander)