



Specialist
Conferences

IWA Regional Symposium on Water, Wastewater & Environment: Traditions & Culture

under the Aegis of UNESCO

2nd Announcement

<http://wwetc2014.env.uwg.gr/>

Organized by



University of Western Greece



International Water
History Association



University of Patras



Hellenic Water Association

22 - 24 March 2014

Patras, Greece



Hellenic Open University



Greek Committee for Water
Resources Management



Hellenic Hydrotechnical
Association



E.D.E.Y.A

TEE

TEE Aitolokarnanias



Municipality of Patras



Special Secretariat for Water
– Ministry of Environment,
Energy and Climate Change



Regional Development Fund
Region of Western Greece



Hellenic Photographic
Society



M.E.W.S.P.

INVITATION FROM IWA

You can treat the global age today as a battle between modernity and tradition.

Anthony Giddens



It is my great pleasure to invite you to the IWA Regional Symposium on *Water, Wastewater and Environment: Traditions and Cultures*. This event will take place from 22 to 24 of March 2014 in Patras, Greece, the cultural capital of Western Greece and the centre of many ancient civilizations, during which several water and wastewater technologies were developed. The opening day coincides with World Water Day 2014 and special events will be organized by IWA and other local and international organizations.

The Symposium is dedicated to themes relevant to traditional and cultural technologies of water and wastewater. The event will bring together research scientists, historians, archaeologists, and engineers from academic institutions and industries around the world. Its objectives are to foster interactions, stimulate discussions and promote co-operation among the global water community. The Symposium will present the major achievements in several scientific fields of water and wastewater technologies and management throughout the millennia. In addition, it will provide valuable insights into the ancient, traditional, and cultural water and wastewater technologies with their apparent characteristics of durability, adaptability to the environment, and sustainability. These technologies are the underpinning of modern achievements in water and wastewater engineering and management practices. It is the best

proof that *"the past is the key for the future."* I believe that you will enjoy the Symposium and that your participation will contribute to your professional enhancement.

See you in Patras, Greece, on March 22nd, 2014 to celebrate World Water Day.

Dr. Andreas N. Angelakis

Chairman of the IWA SG on Water and Wastewater in Ancient Civilizations

INVITATION FROM THE ORGANIZING COMMITTEE



The Chairman of the Organizing Committee takes great pleasure in inviting you to the IWA Regional Symposium on *Water, Wastewater and Environment: Traditions and Cultures*, which will be held in Patras, Greece, from 22-24 March, 2014. It is expected to be a significant scientific event, and aims to stress the timeless presence of Western Greece in water-related science, tradition and culture. World Water Day will be celebrated in the context of the Symposium in a city, and region, which possesses significant aquatic ecosystems and a wider environment of unique natural beauty.

Western Greece comprises various aquatic ecosystems, many of which have been proclaimed as protected areas, such as the National Park of Mesolongi-Aitoliko, the lagoons of Amvrakikos and Kotychi, and the lakes of Trichonida, Lysimachia, Ozeros, Amvrakia and Kaiafa. The region also contains the major rivers of Acheloos, Evinos, Ladonas, Alfeios and Glafkos. The city of Patras has been inhabited since prehistoric times and was a significant centre of the Mycenaean era. The ancient town belonged to the Achaean League which flourished during Roman times. The Symposium will be held in a city located nearby regions where renowned ancient

historic centres flourished in the past, and which in contemporary times are considered monuments of civilization. Indicatively, some of the most well-known sites include Ancient Olympia (the cradle of the Olympic Games), Delphi, Mycenae where the Mycenaean civilization flourished (a World Heritage Site), the town of Nauplio which was the first Greek capital, Ancient Corinth, and the castles of Patras, Rio, Antirio, Palamidhi, Acrocorinthos, Nafpaktos and Chlemoutsi.

The symposium will provide the opportunity for all participants to meet and present their research related to natural and wastewaters, based on their local traditions and cultures, with one basic prerequisite – that of respect to the natural environment and mankind. Finally, participants will have the opportunity to visit both Mesolongi-Aitoliko Lagoon and ancient Pleurona in Aitoloakarnania Prefecture.

We look forward to meeting you in Patras on March 22, 2014 to celebrate World Water Day in the context of the Symposium.

Dr. Assoc. Professor Ioannis K. Kalavrouziotis (Organizing Committee Chairman)

University of Western Greece, Greece



Symposium Location

The city of Patras is located in the NW Peloponnese, 213km west of Athens. It is the capital of the prefecture of Achaia, the largest city in the Peloponnese and the third largest in Greece. Patras is Greece's "Gate to the West", its harbour connecting the whole country with the ports of Western Europe. The city's history can be traced back to the second millennium B.C. and the Mycenaean civilizations, but it is during the 19th Century that the city flourished and became an important centre of commerce. Patras is interesting and attractive with archaeological sites and neoclassical buildings blending with modern residences and commerce. Places worth seeing in Patras include the Fortress, the Roman Odeon, the archaeological and folklore museums, St. Andrew's Cathedral, the Municipal Theatre and Gallery, and Achaia Clauss winery. Today, the city is an important cultural centre where the University plays a leading role.

Travel to Patras

Patras can be reached by air through Athens International Airport (Eleftherios Venizelos) and by boat from Italy.

By air to Athens International Airport

Patras can be reached by air through Athens International Airport (Eleftherios Venizelos). Once arriving at the airport, you can take a taxi (yellow-coloured) or city bus to Athens intercity bus station (KTEL) in Kifisou Avenue (the taxi fare is about 30 €). Buses run to Patras almost every half hour from 6am to 9:45pm (the one-way bus fare is approximately 40 €) and the journey lasts approximately 3 hours. On arrival at Patras bus station you can take a taxi (maroon-coloured) to your hotel (costing approximately 8 €). All prices are indicative and may change during the following months.

By ferry from Italy to Patras

If travelling from Italy, you can take a ferry from Ancona, Bari, Brindisi, or Trieste, to the city of Patras. From Patras you can take a taxi (maroon-coloured) to your hotel (costing approximately 8 €). Prices are indicative and may change during the following months.

Information on travel to Patras can be found at: <http://www.gopatras.gr>

Daily transport (morning and evening transfers) from your hotels to the Conference Centre has been arranged for the duration of the Symposium.

Passports and Visas

A valid passport or identity card is required for all travel from EU countries. The Visa entry requirements for Greece vary according to your country of origin. Please contact your local Embassy or Consulate of Greece for further information.

Personal Invitations

If you require an official letter of invitation to attend the Symposium, please contact the Secretariat. This letter does not represent any commitment on part of the organizers to provide financial support.

General Information

The official time in Greece is GMT +2hrs.

The electricity supply is 220V 50Hz AC.

Insurance: The Symposium organizers cannot assume responsibility for injuries or losses occurring to persons or personal belongings during the Symposium. Therefore, participants are advised to take out travel and health insurance.

Currency & Exchange

The National currency is the Euro. Banks in Patras open from 08:00 to 14:00pm Monday to Thursday, and 08:00 to 13:30pm on Friday. Exchange bureaus can be found in Athens International Airport and the city of Patras.

Symposium Centre

The Symposium will take place in the Conference and Cultural Centre which is situated on the campus of the University of Patras. The University itself is about 8km from Patras city centre. The Conference Centre comprises a main hall of 1080 seats, a 250 seat auditorium, four halls for parallel meetings, four seminar halls, a 200m² hall for multiple use, and a two-level reception/exhibition area. The Centre is fully audio-visually equipped. More information can be found at: www.confer.upatras.gr

Accommodation

All accommodation bookings must be made by the participants themselves. A list of selected hotels of A, B and C categories at various proximities to the Conference and Cultural Centre will be available on the Symposium website from **1st September 2013**.

Funding

Unfortunately, funding is not available to assist those wishing to attend the Symposium. Participants will have to find sources of funding from their own countries and institutions.

Language

The official language of the Symposium is English.

Symposium Participants

Symposium participants, on payment of registration fees, are entitled to attend the opening ceremony, and all the sessions of the Symposium. They will receive the registration pack with the full programme and other material, Symposium e-proceedings, and free coffee and lunches for the duration of the Symposium. They may also present up to two presentations. On payment of fees, participants may take part in the one-day excursion and Symposium dinner.

Accompanying persons, on payment of registration fees, are entitled to attend the opening ceremony, and all the sessions of the Symposium. They will receive the registration pack with the full programme and other material, and free coffee and lunches for the duration of the Symposium. On payment of fees, accompanying persons may take part in the one-day excursion and Symposium dinner.

Registration Fees in €

Categories	Before December 31 st , 2013	From January 1 st , 2014
IWA members	200.00	250.00
Non-members	250.00	300.00
Students	70.00	100.00
Accompanying persons	50.00	70.00

Full registration can be made by participants via the Symposium's website: <http://wwetc2014.env.uwg.gr/>

This service will be available from **1st September 2013** onwards.

Scientific Programme

The symposium themes are:

- Ancient and traditional methods, practices, and techniques of water and wastewater resource management in ancient civilizations
- Historical development of urban water supplies (e.g. cisterns, aqueducts, qanats and wells)
- Urban water use in ancient civilizations
- The evolution of urban wastewater and storm water management practices and technologies through the centuries
- History of water and climatic changes and/or variability
- Cultural heritage in river basins
- The evolution of sanitation and water born diseases
- Ancient influences on modern water and wastewater technologies
- The cultural and socio-economic role of water and wastewater in ancient civilizations
- The history of irrigation
- Environmental history

Call for Papers

Each participant can submit up to two papers related to one of the above themes. Papers can be submitted on-line following the instructions at the site: <http://wwetc2014.env.uwg.gr/>. This service will be available from **15th April 2013**. Papers should not exceed 10 pages in length, including figures and tables.

Papers will be accepted based on quality, originality and relevance to the Symposium themes. All accepted manuscripts (papers or posters) will be published in the Symposium e-Proceedings. Only presented contributions (papers and posters) will be reviewed by the International Reviewing Committee for publication in a special edition of Water Science and Technology, Water Supply, based on their quality, originality and relevance to the Symposium.

Plenary Lectures

To be announced

Important Dates

Paper Submission Deadline: 31st August 2013

Registration Opens: 1st September 2013

Accommodation List Available: 1st September 2013

Notification of Paper Acceptance: 31st October 2013

Submission of Final Papers: 31st December 2013

Synoptic Symposium Schedule

22nd March 2014: Registration, Opening ceremony, Plenary and parallel sessions

23rd March 2014: Plenary and parallel sessions, IWA meeting, Closing ceremony, Symposium dinner

24th March 2014: One-day excursion

Symposium Dinner

The Symposium dinner will be held in a selected restaurant in either Patras or Rio. The dinner will cost 35.00 € per participant.

One-Day Excursion

The IWA Regional Symposium will include a one-day excursion to Mesolongi-Aitoliko Lagoon and Ancient Pleurona in Aitolokarnania on 24th March 2014. The excursion will cost 30.00 € per participant.

Excursion Itinerary

09:30 – Departure from hotels by coach.

10.00 – 11.30 **Archaeological Museum of Patras**

The new archaeological museum of Patras (opened in 2009), is one of the most significant in the country. It is located in the north entrance of the city, in an impressive, modern building with distinct architectural features. It houses 1300 artifacts that narrate the history of the area from prehistoric to Roman times. The exhibition comprises three thematic sections, exploring the public life, private life, and the necropolis of the ancient city of Patras.

12.30 – 14.00 **Archaeological site of Plevrona**

After crossing the bridge of Rio-Antirrio, we will stop at the site of ancient Plevrona. The site is located a few km NW of Mesolongi city. The ancient city of Plevrona was mentioned by Homer as one of the Aitolian cities that participated in the Trojan War. The city was destroyed and rebuilt on its current location during the Hellenistic period (3rd century BC). It is surrounded by impressive fortifications, with 36 towers and 7 gates and includes the ancient agora and theatre, as well as a huge cistern cut out of the rock bed. In addition, the site offers a breathtaking view of the Mesolongi-Aitoliko Lagoon system and the Patraikos Gulf.

14.30 – 15.30 **Tour of Mesolongi-Aitoliko lagoon**

Mesolongi-Aitoliko Lagoon complex is part of a Marine Protected Area (MPA), one of the richest wetlands in Europe. It is also a Ramsar Site, an Important Bird Area (IBA) and part of the Natura 2000 network. The National Park of Mesolongi-Aitoliko Lagoon, Estuaries of Acheloos and Evinos and Echinades Islands, was established in 2006 and covers an area of 44,200 hectares.

16.00 – 17.00 **Lunch in Mesolongi**

Mesolongi is a picturesque town "in the middle of the lagoons" and became well-known during the Greek War of Independence as the site of a dramatic siege (1825-1826), which ended with a desperate Exodus and annihilation of its population. It is also the death place of Lord Byron (1824), the English poet who participated in the Greek revolution. The town is known as the "Iera Polis" (Sacred City), a tribute to the heroic stand of its inhabitants.

17.00 – Return to Patras and hotels

The one-day excursion can be booked and paid for during registration via the Symposium website. The organizers reserve the right to cancel the excursion due to low demand / small number of participants. In this case, the excursion fee will be fully refunded. The excursion fee includes the entrance to Patras Archaeological Museum, Ancient Plevrona, and lunch in Mesolongi.



Honorary Committee

President of the University of Western Greece
Rector of the University of Patras
President of the Hellenic Open University
President of the Department of Environmental and Natural Resources Management, University of Western Greece
Paul Reiter, Executive Director of the IWA
Professor Joy Carter, University of Winchester, U.K.
Takashi Asano, Professor Emeritus, University of California, Davis, USA
Lazaros Kolonas, Ministry of Culture, Patras
President of the Hellenic Water Supply and Sewerage Systems Association, Larisa

Organising Committee

Ioannis K. Kalavrouziotis, Greece (Chairman)
Michalis Leotsinidis, Greece (Vice-Chairman)
Hrissi K. Karapanagioti, Greece (Vice-Chairman)
Yiannis Sibetheros (Vice-Chairman)
Andreas Angelakis, Greece
Georgios Antoniou, Greece (Programme Organizer)
Stella Bezergianni, Greece
Maria Chryssi, Greece
Nikolaos Th. Fourniotis, Greece (Programme Organizer)
Petros Kokkinos, Greece (Programme Organizer)
Prodromos Koukoulakis, Greece
Nikolaos Nasikas, Greece
Hong Li, IWA
Angelos Patakas, Greece

Markos Sklyvaniotis, Greece
George Stamatis, Greece
Stathis Papachristopoulos, Greece
Fotis Papathanasopoulos, Greece
Vasiliki Tsantila, Greece
Christos Tsekos, Greece
Konstantinos Vatsios, Greece
Dimitris Vlastos, Greece (Programme Organizer)
Zheng Xiao Yun, China
Ierotheos Zacharias, Greece (Programme Organizer)
Sandy Coles, Greece (Secretariat)
Monika Diamanti, Greece (Secretariat)
Eirini Kostakioti, Greece (Secretariat)

Programme Committee

Ioannis K. Kalavrouziotis, Greece (Chairman)
Andreas Angelakis, Greece
Salih Abdin, Sudan
Rashed Al-Sa'ed, Palestine
Georgios Antoniou, Greece
Alper Baba, Turkey
Evangelos Baltas, Greece
Mufeed Batarseh, Jordan
Hanane Benqliou, Morocco
Stella Bezergianni, Greece
Marek Biziuk, Poland
Jeanette Brown, USA
Lamprini E. Chioti, Greece
Stathis Chiotis, Greece
Constantinos V. Chrysikopoulos, Greece
Guéladio Cissé, Switzerland
Angela F Danil de Namor, UK
Giovanni De Feo, Italy
Ioannis Deligiannakis, Greece
Alexander Demetracopoulos, Greece
Monika Diamanti, Greece
Panagiotis Drakatos, Greece
Renato Drusiani, Italy
Fatma El-Gohari, Egypt
Despo Fatta-Kassinou, Cyprus
Nikolaos Th. Fourniotis, Greece
Iakovos Gannoulis, Greece
Dimitris Georgakakis, Greece
Petros Gikas, Greece
Abdul Goni, Bangladesh
Maria Isabel González, Cuba
Evy Johanne Håland, Greece
Mooyoung Han, Korea
Nava Haruvy, Israel
Benoit Haut, Belgium
John Hatzopoulos, Greece
Ingrid Hehmeyer, Canada
Ivanildo Hespagnol, Brazil
Petri Juuti, Finland
Tapio Katko, Finland
Chrisostomos A. Kambanellas, Cyprus
George Kamizoulis, Greece
Anastasios J. Karabelas, Greece
Hrissi K. Karapanagioti, Greece (Vice-Chairman)
Georgios Karatzas, Greece
Kostas Kassios, Greece
Nicholas Kathijotes, Cyprus
Petros Kerkides, Greece
Albert Koenig, China
Tiiu Koff, Estonia
Lazaros Kolonas, Greece
Dimitrios Komilis, Greece
Konstantinos Komnitsas, Greece
Sasha Koo-Oshima, USA

Nikos Manassis, Greece
Jure Margeta, Croatia
Demetrios Matthopoulos, Greece
Larry W. Mays, USA
Kate Medlicott, New Zealand
Aradhana Mehra, U.K.
George Melikadze, Georgia
Theodora Monioudi-Gavala, Greece
Arthur Muller, France
Daniel Murillo Licea, México
Jacek Namniesz, Poland
Natassa Nikolaou, Greece
Gideon Oron, Israel
Alexander Otte, France
Athanasios Paliouras, Greece
Maria Papadaki, Greece
Aristotelis Papadopoulos, Greece
Vassilis Pappas, Greece
Nikolaos Paranychanakis, Greece
Symeon Paschalidis, Greece
Angelos Patakas, Greece
Athina Pavlatou, Greece
Bruno Pereira, Brazil
Michalis Petropoulos, Greece
George Piliadis, Greece
F.J. Putuhena, Malaysia
Manzoor Qadir, Canada
Bachir Raissouni, Morocco
Liqa Raschid-Sally, Ghana
Alexander Reyes-Knoche, Germany
Salar Rezapour, Iran
Joan B. Rose, USA
Maria Sakellariou-Makrantonaki, Greece
Miquel Salgot, Spain
Yiannis Sibetheros, Greece (Vice-Chairman)
Markos Sklyvaniotis, Greece
Stylianou Spyridakis, USA
Maria Stauropoulou-Gatsi, Greece
Euripidis Stephanou, Greece
Anna I. Strataridaki, Greece
Jutta Stroszcek, Germany
Marco Tallini, Italy
Aysegül Tanik, Turkey
Nikolaos P. Theodossiou, Greece
Ioannis Tokatlidis, Greece
Konstantinos Tsagarakis, Greece
Georgios Tsakiris, Greece
Vassilios A. Tsihrintzis, Greece
Soterios Varnavas, Greece
Dimitris Vayenas, Greece
Olympia Vikatou, Greece
Vladimir Vissikirsky, Ukraine
Didier Viviers, Belgium
Dimitris Vlastos, Greece

Petros Koutsoukos, Greece
Demetris Koutsouyiannis, Greece
Ismail Koyuncu, Turkey
Athanasios Kungolos, Greece
Stella Kyvelou, Greece
Pietro Laureano, Italy
Vassilios Lambrinouidakis, Greece
Michalis Leotsinidis, Greece (Vice-Chairman)
Ioannis Liriztis, Greece
Giusy Lofrano, Italy
Yiannis Lolos, Greece
Gerasimos Lyberatos, Greece

Kostas Voudouris, Greece
Heikki S. Vuorinen, Finland
Peter Wilderer, Germany
Keith Wilkinson, U.K.
Dimitrios Xanthoulis, Belgium
Zheng Xiao Yun, China
Panayotis Yannopoulos, Greece
Stavros Yannopoulos, Greece
Ierotheos Zacharias, Greece
Dimitra Zaharaki, Greece
Nikolaos Zarkadoulas, Greece

Sponsors



and others to be arranged

For more information on sponsoring or exhibiting, please contact: Dr. Assoc. Professor Ioannis Kalavrouziotis by e-mail on ikalabro@yahoo.com or ikalavru@uwg.gr or ikalabro@tutors.eap.gr, or Secretariat: Sandy Coles on wwetc2014@uwg.gr.

Contact Addresses

Chairman of the IWA Symposium
Dr. Associate Professor Ioannis K. Kalavrouziotis
University of Western Greece
G. Seferi 2, GR-30100, Agrinio, Greece
Mobile Tel: +30-6944-726906
E-mail: ikalabro@yahoo.com; ikalavru@uwg.gr; ikalabro@tutors.eap.gr

Secretariat
Sandy Coles
University of Western Greece
G. Seferi 2, GR-30100, Agrinio, Greece
Tel: +30-26410-74118
E-mail: wwetc2014@uwg.gr

Website: <http://wwetc2014.env.uwg.gr/>

