

# WATER QUALITY 2010

## THE 1ST INTERNATIONAL "WATER QUALITY" WORKSHOP

DATE: 9 Sep 2010 - 11 Sep 2010

LOCATION: Bucharest

### Workshop's Topics

#### Short description of the research topic:

1. In the first place, there shall be presented a plan with regard to the methods for water treating in order to obtain new and better water qualities, and so, to practically use the water for medical purposes in variant of curative ways, and, also, for domestic and industrial utilization.
2. Secondly, there shall be analyzed the results related to the water researches and practices, the confirmation of the obtained water qualities, the specific various domains for usage, medical treatments and their expected effects, and, not in the least, the standards agreed upon.

Moreover, the event shall be focused on the following **topics**:

- (1) **Tape water**
- (2) **Bottled water**
- (3) **Coral water**
- (4) **Deuterium depleted water**
- (5) **Structured water**
- (6) **Magnetic water treatment**
- (7) **Ionized water**

#### During the "Water Quality Workshop", it is expected to have the following results:

A large range of well-known scientists joined together for the sole purpose of elaborating and studying the reports and the analyses related to the methodology of water treating, and, subsequently.

#### 1. To present:

- the expected results; for treating the water
- the technology plan to use in their water treatment;
- the volume production (e.g. tools/utilities vs. water quantity / quality, etc);
- the statistical results as to the performed applications;
- the scope of using larger domains to apply (not only in theory, but also in practical areas) the volume production of the treated water.

2. To establish some unique criteria for the identification and the characterization of the natural potable or treated water in order to reflect the most significant physical, chemical and biological indicators, this can be easily rendered obvious even by medium qualified people.

3. To debate, examine and consider some proposals with the precise scope of amending the Regulations, regarding the quality of the potable water.

4. To decide new and improved research directions and, also, to discuss about the diagnosis on treated water and its effects on humans, animals and plants by the use of both natural and treated water as it is stated at Paragraph 2 mentioned above.

**Invited lecturers** will be given by scientific leaders in different key areas, and should present the state-of-the-art, trends and perspectives for the industrial implementation of the research results.

The scientific event is financed by **Ministry of Education, Research, Youth and Sports - National Authority for Scientific Research**



Similar manifest:

<http://www.wateratleeds.org/water-quality-2010.php>

<http://www.awwa.org/Conferences/wqtc.cfm?ItemNumber=32120&navItemNumber=3545&showLogin=N>

<http://www.asabe.org/meetings/tmdl2010/index.htm>

<http://watershedtech.org/>

<http://www.watereducation.org/toursdetail.asp?id=1353&parentID=821>

### **Workshop topics:**

- (1) Tap water
- (2) Bottled water
- (3) Coral water
- (4) Deuterium depleted water
- (5) Structured water
- (6) Magnetic water treatment
- (7) Ionized water

The papers will be published in **Environmental Engineering and Management Journal** (ISI Journal).

### **Abstract submission**

**Deadline: 20.07.2010**

The abstracts will be published in "*Book of abstracts*" and should be submitted in English and Romanian, A4 format, MS Word 2003, Times New Roman 12 points (max. 150 words followed by **3 key words**), to the Secretariat of the Workshop, by e-mail: [workshop2010\\_wg@icpe-ca.ro](mailto:workshop2010_wg@icpe-ca.ro).

Affiliation, address and e-mail of the corresponding author should be included

### **Notification of abstract acceptance**

**Deadline: 01.08.2010**

### **Full papers submission**

**Deadline: 16.08.2010**

All authors are kindly requested to prepare a full text paper of their presentation for publication after the conference in *Environmental Engineering and Management Journal* (ISI Journal).

Full text papers, in English, will be sent to the Secretariat of the Workshop, by e-mail, according to the guidelines specified on site

<http://omicron.ch.tuiasi.ro/EEMJ/pdfs/InstrauthorsEEMJ.pdf>

The papers will be refereed by the Advisory Board and it will be recommended to be reviewed by the Journal editor

### **Notification of full papers acceptance**

**Deadline: 01.09.2010**

Advisory Board will consider:

**Clarity of paper** (correct grammar, if mathematical symbols and equations are easy to understand, if graphics and tables are well constructed, layout)

### **PROGRAM COMMITTEE:**

|                                  |         |
|----------------------------------|---------|
| Prof. Dr. Florin Clement BRATILA | Romania |
| Dr. Mihai Marius DAN             | Romania |
| Dr. Elena ENESCU                 | Romania |
| Prof. Dr. Patrik FLANAGAN        | USA     |
| PhD. Eugen GHEORGHIU             | Romania |
| Prof. Dr. Maria GODEANU          | Romania |
| Dr. Eng. Cristian KLEPS          | Romania |
| Eng. Stefan MANEA                | Romania |
| Acad. Dr. Nicolae MANOLESCU      | Romania |
| Dr. Corneliu MOLDOVAN            | Romania |

|                            |         |
|----------------------------|---------|
| Prof. Dr. Ion IONESCU      | Romania |
| Dr. Ioan NEDELCU           | Romania |
| Acad. Marius Sorin PECULEA | Romania |
| Dr. Adriana PISTOL         | Romania |
| Prof. Gabor Somlyai        | Hungary |
| Prof. Dr. Ioan STEFANESCU  | Romania |
| Prof. Dr. Ladislau VEKAS   | Romania |
| Dr. Traian ZAHARESCU       | Romania |

### **Chairs**

|                                  |          |
|----------------------------------|----------|
| Prof. Dr. Patrik FLANAGAN        | USA      |
| Prof. Dr. Lucija Crepinsek LIPUS | Slovenia |
| Dr. Corneliu MOLDOVAN            | Romania  |
| Dr. Andra NEAMTU                 | Romania  |
| Prof. Gabor Somlyai              | Hungary  |
| Dr. Traian ZAHARESCU             | Romania  |

### **Co-Chairs**

|                    |                  |
|--------------------|------------------|
| Eng. Mihai RAPEANU | INCDIE ICPE – CA |
|--------------------|------------------|

### **ORGANIZING COMMITTEE:**

|                           |                  |
|---------------------------|------------------|
| Chem. Alina DUNE          | SC HOFIGAL SA    |
| Prof. Dr. Viorica IONASCU | ICSM "DC"        |
| Prof. Dr. Ion IONESCU     | ICSM "DC"        |
| Dr. Corneliu MOLDOVAN     | INMCA si CMR     |
| Dr. Andra NEAMTU          | INSP             |
| Eng. Gabriela OBREJA      | INCDIE ICPE – CA |
| Eng. Ciprian ONICA        | INCDIE ICPE – CA |
| Eng. Mihai RAPEANU        | INCDIE ICPE – CA |

### **Workshop Location and Venue**

Water Quality 2010 will take place at **UNIVERSITATEA CRESTINA "Dimitrie Cantemir"** in District 4 -**Bucharest**.

The accommodation will be at RIN GRAND HOTEL and all hotel arrangements will be made by Workshop' Secretariat.

### **Address**

Vitan-Barzesti Street no. 7D, Bucharest, Ro 042121, Romania



Rin Grand Hotel is located at the Southern part of Bucharest, 8 minutes away from Unirii Square, Mile 0 and from the commercial and historic center of the city.

**Special room rates** for this event:

single standard room 55 Euro/room/night  
 single room DELUXE 64 Euro/room/night  
 Junior suite 90 Euro/apartment/night  
 double standard room 64 Euro/room/night  
 double room DELUXE 73 Euro/room/night  
 Junior suite 99 Euro/room/night

For booking rooms: **Marlen GHITA**

tel: +40 745 07 73 99

+40 758 24 40 36

e-mail: [marlen.ghita@icpe-ca.ro](mailto:marlen.ghita@icpe-ca.ro);

## WATER QUALITY Workshop

**September 9th – 11th, 2010**

Bucharest, Conference Room of INCDIE ICPE-CA

- PRELIMINARY PROGRAMMEE -

### Thursday, September 9th, 2010

|                         |   |
|-------------------------|---|
| <b>09:00 – 10:00</b>    | <b>Registration of participants</b><br><b>Display of posters</b><br><b>Exposure of products for exhibiton</b>   |
| <b>Hall “BRUXELLES”</b> |   |
| <b>10:00 – 10:15</b>    | <i>Opening Scientific Event</i>   |
| <b>10:00 – 10:05</b>    | <b>Prof. Dr. Wilhelm Kappel</b><br><i>General Director of INCDIE ICPE-CA Bucharest, Romania</i>   |
| <b>10:05 – 10:10</b>    | <b>Dr. Patrick Flanagan</b><br><i>Flantech Group, USA</i>   |
| <b>10:10 – 10:15</b>    | <b>Eng. Mihai Rapeanu</b><br><i>Senior Researcher, INCDIE ICPE-CA Bucharest, Romania</i>  |
| <b>10:15 - 11:30</b>    | <p style="text-align: center;"><i>Section 1. Water - changing and identifying the quality</i></p> <p><i>Chair: Gillis Patrick Flanagan</i><br/> <i>Carmen Popescu</i><br/> <i>Adrian Cranta</i></p> <p><i>Co-chair: Mihai Rapeanu</i></p>                       |
| <b>10:30 – 11:00</b>    | <b>•The Most Essential Substance: H2O – Water - Biochemical and Biophysical Implications</b><br><b><u>Ion Brad</u></b><br><i>Research Center for Macromolocular Materials and Membranes, Bucharest, Romania</i>   |
| <b>11:00 – 11:30</b>    | <b>•Researches regarding the Influence of Ice Water on Health and Longevity</b><br><b>Theories of Structured Water and Low Water in Biological Systems</b><br><b><u>Microcluster Technology</u> <u>Adrian Cranta</u></b><br><i>SC FLANTECH PRO SRL, Romania</i> |
| <b>11:30 – 12:00</b>    | <p><i>Coffee Break</i></p> <p><b>RIN GRAND Hotel, Floor XIII – Lobby</b></p> <p><i>Section 1. Water - changing and identifying the quality</i></p>  |
| <b>12:00 – 14:00</b>    | <p><i>Chair: Gillis Patrick Flanagan</i><br/> <i>Carmen Popescu</i><br/> <i>Adrian Cranta</i></p> <p><i>Co-chair: Mihai Rapeanu</i></p>   |
| <b>12:00 – 12:15</b>    | <b>•Revealing Indicators – Characteristics of Treated Water</b><br><b><u>Mihai Rapeanu</u></b><br><i>National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania</i>  |
| <b>12:15 – 12:30</b>    | <b>•Magnetic Treatment Effects on the Solubility of Salts in Water Studied by Lyoluminescence</b><br><b><u>Traian Zaharescu</u></b><br><i>National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania</i>             |
| <b>12:30 – 14:00</b>    | <b>•The Memory of Water</b>   |

|                                    |  |
|------------------------------------|--|
|                                    | <p><b>The Use of Pi Water in Various Domains</b><br/> <b><u>Marioara Godeanu</u></b><br/> <i>Institute of Applied Ecology, Bucharest, Romania</i></p>  |
| 14:00 – 14:30                      | <p style="text-align: center;"><b>Coffee Break</b><br/> <b>RIN GRAND Hotel, Floor XIII – Lobby</b></p>   |
| 14:30 – 17:00                      | <p style="text-align: center;"><i>Section 1. Water – changing and identifying the quality 14</i></p>   |
| 14:30 – 15:00                      | <p>•<b>Preliminary Study on Structured Water Action over the Biosystems through the Polyedral Carbon</b><br/> <b><u>Octavian Serjantu1, George Florea</u></b><i>S. C. Mediquant SRL, Timisoara, Romania</i><br/> <i>S.C. Power &amp; Lighting Tehnorob S. A., Bucharest, Romania</i></p>   |
| 15:00 – 16:00                      | <p>•<b>Magnesium Activated Hydrogen Ions and Biological Activity: Empirical Analyses and Clinical Significance</b><br/> •<b>Differential Metabolic Effects on Mitochondria by Silica Hydride Using Capillary Electrophoresis</b><br/> •<b>Evaluation of Hydroxyl Radical-Scavenging Abilities of Silica Hydride,an Antioxidant Compound, by a Fe<sup>2+</sup>-EDTA-Induced 2-Hydroxyterephthalate Fluorometric Analysis</b><br/> •<b>Antioxidant Capability and Efficacy of Mega-H<sup>TM</sup> Silica Hydride, an Antioxidant Dietary Supplement, by In Vitro Cellular Analysis Using Photosensitization and Fluorescence Detection</b><br/> •<b>Non-toxic Hydride Energy Source for Biochemical and Industrial Venues:ORP and NAD<sup>+</sup> Reduction Analyses</b><br/> •<b>Antioxidant Capacity of Silica Hydride: a Combinational Photosensitization and Fluorescence Detection Assay</b><br/> <b><u>Gillis Patrick Flanagan</u></b><br/> <i>Flantech Group, USA</i></p> |
| 16:00 – 16:15                      | <p>•<b>Fluorescence Evaluation of Drinking Water Organic Contamination</b><br/> <b><u>Luminita Ghervase</u></b><br/> <i>National Institute for Optoelectronics INOE 2000, Bucharest, Romania</i></p>   |
| 16:15 – 16:30                      | <p>•<b>The Evaluation of the Mineral Water Bottled in PET’s Genotoxicity, through Allium Test</b><br/> <b><u>Mihaela Corneanu</u></b><br/> <i>Banat’s University of Agriculture and Veterinary Medicine, Timisoara, Romania</i></p>  |
| 16:30 – 17:00                      | <p style="text-align: center;"><b>Coffee Break</b><br/> <b>RIN GRAND Hotel, Floor XIII – Lobby</b></p>   |
| 12:00 – 14:00                      | <p style="text-align: center;"><i>Section 1. Water – changing and identifying the quality</i></p>  |
| 17:00 – 17:15                      | <p>•<b>Water Economy</b><br/> <b><u>Lucretia Eugenia Brezeanu</u></b><br/> <i>Romania</i></p>  |
| 17:15 – 17:30                      | <p>•<b>The Treatment of the Water in Tridimensional Magnetic Field</b><br/> <b><u>Zoltan Istvan Marozy</u></b><br/> <i>Romania</i></p>   |
| 17:30 – 17:47                      | <p>•<b>Purified Water for Pharmaceuticals, Dietary Supplements and Cosmetics - Quality &amp; Stability Studies</b><br/> <b><u>Carmen Popescu</u></b><br/> <i>SC HOFIGAL EXPORT IMPORT SA, Bucharest, Romania</i></p>   |
| 17:45 – 19:00                      | <p style="text-align: center;"><b>Round table “Water and Life”</b><br/> Moderator: Mihai Rapeanu<br/> <i>INCDIE ICPE-CA Bucharest, Romania</i></p>   |
| <b>Friday, 10th September 2010</b> |  |
| <b>Hall “BRUXELLES”</b>            |  |
| 08:30 – 09:00                      | <p style="text-align: center;"><i>Registration of participants</i><b>RIN GRAND Hotel – Floor XIII, Lobby</b><br/> <i>Section 2. Water - applications and treatments</i></p>  |
| 09:00 - 11:30                      | <p>Chair: <i>Gabor Somlyai</i><br/> <i>Corneliu Moldovan</i><br/> Co-chair: <i>Mihai Rapeanu</i></p>   |
| 09:00 – 09:30                      | <p>•<b>Deuterium has a Key Role in Tumors Development – New Target in Anticancer Drug Development</b><br/> <b><u>Gabor Somlyai</u></b><br/> <i>HYD LLC for Cancer Research and Drug Development, Budapest, Hungary</i></p>   |
| 09:30 – 10:30                      | <p>•<b>Modification of Thermo-Electric-Dermal Pattern of the Active Electro-Dermal Points, Dependent on Drinking-Water Quality</b><br/> •<b>Cutaneous Laser Reflectometry in Active Electro-Dermal Points after ingestion of water</b><br/> •<b>Effects of Ingested Water on Neurovegetative Periphereals Reactivity</b></p>   |

|               |   |
|---------------|---|
|               | <b><u>Corneliu Moldovan</u></b><br><i>National Institute of Complementary and Alternative Medicine “Prof. dr. Florin Bratila”, Bucharest, Romania</i>   |
| 10:30 – 11:30 | <ul style="list-style-type: none"> <li>•Studies concerning DDW Use for Deuterium’s Depletion in Laboratory Animals’ Organism</li> <li>•Determination of Deuterium Depletion in Plymouth Rock Chickens’ Bodies</li> </ul> <b><u>Radu Tamaian</u></b><br><i>National Research and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania</i> |
| 11:30 – 12:00 | <i>Coffee Break</i>   |
| 12:00 - 14:00 | RIN GRAND Hotel, Floor XIII – Lobby<br><i>Section 2. Water - applications and treatments</i>  |
| 12:00 –12:15  | <ul style="list-style-type: none"> <li>•Cellular and Oxidative Response in the Simultaneous Exposure to Asbestos and Deuterium Depleted Water. Experimental Studies</li> </ul> <b><u>Didi Surcel</u></b><br><i>Blue Life Medical Center, Cluj-Napoca, Romania</i>   |
| 12:15 – 12:30 | <ul style="list-style-type: none"> <li>•Deuterium – depleted water in cancer therapy</li> </ul> <b><u>Roxana Mirica</u></b><br><i>Romania</i>   |
| 12:30 – 12:45 | <ul style="list-style-type: none"> <li>•The Radioprotector Effect of Depleted Deuterium Water (DDW) and Total Polyphenols Extract from ARALIA MANDSHURICA or NIGELLA SATIVA in MUSCULUS</li> </ul> <b><u>Corneanu C. Gabriel</u></b><br><i>“Vasile Goldis” West University, Arad, Romania</i>   |
| 12:45 – 13:00 | <ul style="list-style-type: none"> <li>•Water - a Frame of Hereditary Potential Manifestation</li> </ul> <b><u>Gallia Butnaru</u></b><br><i>Banat University of Agricultural Sciences and Veterinary Medicine, Timisoara, Romania</i>   |
| 13:00 - 14:00 | <i>Section 3. Water – Ecology and Environment</i>   |
| 13:00 – 13:15 | <ul style="list-style-type: none"> <li>•Hydropower Impact on Water Quality</li> </ul> <b><u>Florentina Bunea</u></b><br><i>National Institute for Research and Development in Electrical Engineering ICPE-CA, Bucharest, Romania</i>  |
| 13:15 – 13:30 | <ul style="list-style-type: none"> <li>•Optimized Monitoring Programm to Assess the Quality of Potable Water Produced and Distributed by 2 Romanian Companies</li> </ul> <b><u>Irina Lucaciu</u></b><br><i>National Institute for Research and Development for Industrial Ecology, Bucharest, Romania</i>   |
| 13:30 – 13:45 | <ul style="list-style-type: none"> <li>•Influence of Domestic Distribution System to the Tap Water Quality</li> </ul> <b><u>Gabriela Vasile</u></b><br><i>National Institute for Research and Development for Industrial Ecology, Bucharest, Romania</i>  |
| 13:45 – 14:00 | <ul style="list-style-type: none"> <li>•The Disinfecting of Drinking Water and Purged Residual Water with the Chlorine Free Ecological Disinfectant SANOSIL. Conclusions and recommendations</li> </ul> <b><u>Veronica Gitve</u></b><br><i>SC SANOSIL SRL, Oradea, Romania</i>  |
| 14:00 – 14:30 | <i>Coffee Break</i>   |
| 14:30 – 16:30 | RIN GRAND Hotel, Floor XIII – Lobby<br><i>Section 3. Water – Ecology and Environment</i>  |
| 14:30 – 15:00 | <ul style="list-style-type: none"> <li>•Environmental protection, water and tourism</li> </ul> <b><u>Ioan Ionescu</u></b><br><i>“Dimitrie Cantemir” Christian University</i>  |
| 15:00 – 15:30 | <ul style="list-style-type: none"> <li>•Shallow Aquifer Pollution with Heavy Metals and Aluminium in Neferal Area (the East of Bucharest)</li> </ul> <b><u>Giuliano Tevi</u></b><br><i>Ecological University of Bucharest, Romania</i>  |
| 15:30 – 16:00 | <ul style="list-style-type: none"> <li>•Pyramid Type Installations and Technologies for the Purification of Waste Waters</li> <li>•The Purification of the Various Categories of Waste Waters Using Aquatic Plants and Obtaining Valuable Biomass</li> </ul> <b><u>Marioara Godeanu</u></b><br><i>Institute of Applied Ecology, Bucharest, Romania</i>                      |
| 16:00 – 16:30 | <ul style="list-style-type: none"> <li>•Centralized Drinking Water Distribution for All Villages. Environmental Impact</li> <li>•Centralized Waste Water Distribution for All Villages. Environmental Impact</li> </ul> <b><u>Mateescu Ioan</u></b><br><i>Romania</i>   |
| 16:30 – 17:00 | <i>Coffee Break</i>   |
| 17:00 – 17:30 | RIN GRAND Hotel, Floor XIII – Lobby   |
| 17:00 – 17:30 | <ul style="list-style-type: none"> <li>•Efficiency of the Drinkable Water Use in Public Activities. Case Study – Bucharest City</li> </ul> <b><u>Cristian Ioja</u></b><br><i>University of Bucharest, Romania</i>   |

|                                      |   |
|--------------------------------------|---|
| 17:30 – 17:45                        | • <b>Tap Water vs. Bottled Water</b> <u>Mihaela Vasilescu</u><br><i>Ecological University of Bucharest, Romania</i>   |
| 17:45 – 18:00                        | • <b>The Climatic Information Contained in Water Isotopes</b> <u>Diana Costinel</u><br><i>National Research and Development Institute for Cryogenics and Isotopic Technologies, Ramnicu Valcea, Romania</i> |
| 18:00 – 19:00                        | Poster Session<br>RIN GRAND Hotel, Floor XIII, Lobby  |
| <b>Saturday, 11th September 2010</b> |   |
| 09:00 – 10:30                        | RIN GRAND Hotel – Floor XIII, Lobby   |
| <b>Lobby</b>                         |   |
| 09:00 - 10:00                        | <i>Networking Meetings</i>  |
| 10:00 – 11:00                        | <i>Exhibition – Presenting the products and equipment</i>   |
| 11:00 – 12.45                        | <i>Visiting the research departments of INCDIE ICPE-CA</i>  |
| 12:45 – 13:00                        | <i>Closing remarks</i>  |

### Registration:

#### ONLINE REGISTRATION NOW OPEN!

You can **register online to the workshop until 31.07.2010**, using the following online registration form:

**Online registration »**

**Any changes or cancellations of registration/reservation will be sent by email using [workshop2010\\_wq@icpe-ca.ro](mailto:workshop2010_wq@icpe-ca.ro) address, until 31.08.2010**

#### Registration fees for participants

80 €until 31.07.2010 ; 90 €after 31.07.2010

Registration fee includes:

- Participation in the scientific program
- Workshop's materials
- Refreshments during the workshop
- Welcome party
- Cocktail
- Special program

*For doctors and students is a discount of 50% of the registration fee.*

*Invited lecturers do not pay the registration fee*

**- payment in EUR:** Account: RO25 RNCB 0076 0294 2469 0002

**-payment in RON equivalent:** Account: RO52 RNCB 0076 0294 2469 0001

**Romanian Commercial Bank, Branch Izvor, B-dul Libertatii no. 22, bl. 102  
District 5, Bucharest, Romania, Ref. "Workshop Fee Water Quality 2010"**

#### Payment and confirmation:

The payment (registration fee) should be made in advance when making the registration. When sending the registration online, you will receive instant confirmation of registration to your email. After receiving the workshop payment, Workshop Secretariat will send you an official letter of confirmation by email. No confirmation will be sent before the fee has been received.

#### Payment options:

**By bank transfer:** to the account

**Please mark "Water Quality 2010" and the delegate's name as a reference.**

**In cash: on the Workshop desk, beginning from 09.09.2010, 9<sup>00</sup>**

#### Cancellation and refund policy:

Kindly note that all cancellations and/or changes in registration and accommodation must be made in writing.

The accommodation will be at RIN GRAND HOTEL and all hotel arrangements will be made by Workshop' Secretariat.

## FULL PAPER SUBMISSION

All authors are kindly requested to prepare a full text paper of their presentation for publication after the workshop in Environmental Engineering and Management Journal (ISI Journal).

Full text papers, in English, will be sent to the Secretariat of the Workshop, by e-mail, according to the guidelines specified on site

<http://omicron.ch.tuiasi.ro/EEMJ/pdfs/InstrauthorsEEMJ.pdf>

The papers will be refereed by the Advisory Board and it will be recommended to be reviewed by the Journal editor

Please submit your full paper before the deadline date to ensure inclusion.

Authors who do not submit a full paper of their presentation will automatically have their original submitted abstract published.

### **NEW!**

The authors are kindly requested to submit full text papers to the e-mail address: [workshop2010\\_wq@icpe-ca.ro](mailto:workshop2010_wq@icpe-ca.ro)

### **EXHIBITION:**

*Products and equipment will be displayed starting with 9th September, 9:00 AM and can be seen during the Workshop.*

*Presentation of products and equipment will be on 11th September, between the hours 10:30 – 11:30.*

### **ROUND TABLE:**

**Thursday, 9th September 2010, hour 16:30 - 18:00**

*"Water and Life"*

*Moderator: Mihai RAPEANU - INCDIE ICPE-CA, Bucharest, Romania*

### **POSTER SESSION:**

The Poster Sessions will form an important part of the Water Quality Workshop. All authors are kindly requested to prepare a poster presentation of their work having 841mm width and 1189 mm height (A0).

**Posters will be displayed on 9th September 2010 starting with 9:00 AM.**

**The evaluation of posters will be on 11th September 2010 starting with 9:30 AM,** when the authors are expected to be available next to their posters for a short discussion with Poster Evaluation Panel.

All delegates are encouraged to view the posters and perhaps discuss their contents with the authors.

For further information regarding the  
**"Water Quality" Workshop**

Please contact the Workshop's secretariat:

#### **INCDIE ICPE – Advanced Research**

313 Splaiul Unirii, District 3

030138, Bucharest, Romania

Phone: +40-0721 553 618; 021-346.82.97 / 152

Fax: +40-021-346.82.99

e-mail: [workshop2010\\_wq@icpe-ca.ro](mailto:workshop2010_wq@icpe-ca.ro)

[http://www.icpe-ca.ro/calitatea\\_apei\\_2010/ro/](http://www.icpe-ca.ro/calitatea_apei_2010/ro/)

#### **Attention:**

Eng. Mihai Rapeanu

Eng. Gabriela Obreja





**Prof. Dr. Gabor Somlyai - HYD LLC for Cancer Research - Hungary**



**Prof. Dr. Wilhelm Kappel  
General Director of INC DIE ICPE-CA - Romania**



**Dr. Gillis Patrick Flanagan - Flantech Group - USA**



**Eng. Mihai Rapeanu - Senior Researcer INC DIE ICPE-CA - Romania**





# WATER QUALITY

## The Workshop "Water Quality"

*will be organized by*

**NATIONAL INSTITUTE FOR  
RESEARCH AND DEVELOPMENT IN  
ELECTRICAL ENGINEERING  
ICPE – ADVANCED RESEARCH**

*in cooperation with*

**MINISTRY OF EDUCATION,  
RESEARCH AND INNOVATION,**

**NATIONAL AUTHORITY FOR  
SCIENTIFIC RESEARCH**

### Important notes and deadlines

#### DEADLINES

**Abstracts are due: 20.07.2010**  
Abstracts, max. 200 words, Word, Times  
New Roman 12, will be handed to the  
Secretariat of the Workshop (INCDIE  
ICPE-CA), by e-mail.

Affiliation, address and e-mail of the  
corresponding author should be included.

**Notification of authors: 25.07.2010**

**Papers submission: 15.08.2010**

Papers, written in English, will be sent to  
the Secretariat of the Workshop. During  
the Workshop, all the accepted papers  
(structured according to the guidelines  
specified on the workshop's site) will be  
at the disposal of the participants,  
included in the volume of the Workshop.  
Depending on their specificity, the papers  
will be selected and purposed to be  
published in the Environmental  
Engineering and Management Journal.

#### REGISTRATION FEES

80 € until 31.07.2010

90 € after 31.07.2010

The registration fee includes:

- ▶ the participation in the scientific program;
- ▶ the workshop's materials;
- ▶ refreshments during the conference;
- ▶ welcome party and cocktail;
- ▶ special social program. The registration fee for accompanying persons will be 50 €/person and will includes welcome party, cocktail and the special social program.

The Workshop  
**"WATER QUALITY"**  
with international participation

FIRST ANNOUNCEMENT



September 09<sup>th</sup> – 11<sup>th</sup>, 2010  
Bucharest, Romania



## Contact

For further information regarding  
**The Workshop “Water Quality”**

please address to the Workshop’s Secretariat:  
**INCDIE ICPE – Advanced Researches**  
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**CONFERENCE LOCATION**  
**INCDIE ICPE – Advanced Researches**  
Conference Hall

**CONFERENCE SECRETARIAT**  
Eng. Gabriela OBREJA  
Eng. Stefania ZAMFIR

## Workshop's Topics

This **Workshop** is going to make the **description of the research topic that shall be considered** is as follows:

1. In the first place, there shall be presented a plan with regard to the methods for water treating in order to obtain new and better water qualities, and so, to practically use the water for medical purposes in variant curative ways, and, also, for domestic and industrial utilization, and  
2. Secondly, there shall be analyzed the results related to the water researches and practices, the confirmation of the obtained water qualities, the

specific various domains for usage and their expected effects, and, not in the least, the standards agreed upon.

The event is focused on the following **Topics**:

- (1) **Tape water**
- (2) **Bottled water**
- (3) **Coral water**
- (4) **Deuterium depleted water**
- (5) **Structured water**
- (6) **Magnetic water treatment**
- (7) **Ionized water**

**During the “Water Quality Workshop”, it is expected to have the following results:**

A large range of well-known scientists joined together for the sole purpose of elaborating and studying the reports and the analyses related to the methodology of water treating, and, subsequently.

**1.** To present:

1. the expected results; for treating the water
2. the technology plan to use in their water treatment;
3. the volume production (e.g. tools/utilities vs. water quantity / quality, etc);
4. the statistical results as to the performed applications;
5. the scope of using larger domains to apply (not only in theory, but also in practical areas) the volume production of the treated water.

**2.** To establish some unique criteria for the identification and the characterization of the natural potable or treated water in order to reflect the most significant physical, chemical and biological indicators, this can be easily rendered obvious even by medium qualified people.

**3.** To debate, examine and consider some proposals with the precise scope of amending the Regulations, regarding the quality of the potable water.

**4.** To decide new and improved research directions and, also, to discuss about the diagnosis on treated water and its effects on

humans, animals and plants by the use of both natural and treated water as it is stated at Paragraph 2 mentioned above. **Invited lectures** will be given by scientific leaders in different key areas, and should present the state-of-the-art, trends and perspectives for the industrial implementation of the research results.

## Committee Members INTERNATIONAL SCIENTIFIC COMMITTEE

Dr. Mihai Marius DAN - Romania  
Dr. Elena ENESCU - Romania  
Prof. Dr. Patrik FLANAGAN - SUA  
Prof. Dr. Maria GODEANU - Romania  
Prof. Dr. Silviu JIPA - Romania  
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