



University Hassiba Benbouali of Chlef
Faculty of sciences

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Solar Equipment Development Unit – UDES- (EPST/CDER)

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Organize

One day conference on Water and Energy

University Hassiba Benbouali of Chlef, Algeria

May 21, 2012

Target Audience

The one day conference is open to all interested participants. Its aim is to provide the opportunity to bring together scientists, policy-makers, water and waste managers, operators, PhD students, stakeholder representatives and NGOs,

Languages

The official languages of the Workshop is French and English

Honoric Chairmans

Pr. Mostepha Bessedik,	Chlef University, Rector;
Dr. Maiouf Belhamel	EPST CDER, Director;
Dr. Abdelkader Saadi,	Chlef University, Faculty of Sciences, Dean;
Dr. Nachida Kasbadji Merzouk,	UDES, Tipaza, Director.

Contact (organizer)

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Program

- | | |
|-------------|--|
| 08:00-08:30 | Registration |
| 08:30-09:00 | Opening ceremony |
| 09:00-09:45 | Dr. Maiouf Belhamel (CDER, Director)
<i>Algerian Renewable energy program</i> |
| 09:45-10:15 | Mr. Moukim Temourov. (World Bank, Algiers)
<i>Renewable Energy Desalination: An Emerging Solution to Close MENA's Water Gap</i> |
| 10:15-10:45 | Coffee break |
| 10:45-11:15 | Dr. Nachida Kasbadji Merzouk (UDES, Algeria)
<i>Desalination with renewable energy. Particular contribution of wind energy.</i> |
| 11:15-11:45 | Pr. Jan Hoinkins (Karlsruhe University, Germany)
<i>Small-scale autonomous reverse osmosis for drinking water production</i> |
| 11:45-12:30 | Pr. Karabelas Anastasios (CERTH, Greece)
<i>Key issues for improving the design and operation of membrane-based desalination plants.</i> |
| 12:30-14:00 | Lunch |
| 14:00-14:30 | Mrs. Adamou Aicha (NEAL, Algeria)
<i>Les énergies renouvelables, un levier stratégique pour le développement des PME vertes en Algérie</i> |
| 14:30-15:00 | Dr. Alberto Figoli (ITM, Italy)
<i>Advanced Membrane Operations in Water Treatment</i> |
| 15:00-15:20 | Coffee break |
| 15:20-15:50 | Dr. Norredine Ghaffour (KAUST, KSA)
<i>Development of New Low-Energy Desalination Processes and Technologies</i> |
| 15:50-16:30 | Closing ceremony |



Sponsors

Keynote speakers biographies



Moukim Temourov, Resident Representative of the World Bank in Algeria

Mr. Moukim Temourov, a national of Tajikistan, was appointed the World Bank Resident Representative in March 2011. In this capacity, he oversees the implementation of World Bank activities in Algeria as agreed in the World Bank – Algeria Country Partnership Strategy for 2011-14.

Before joining the MENA region in 2009, Mr. Temourov worked in West Africa and Central Asia, where he was in charge of a number of analytical and operational projects in social sectors. Mr. Temourov holds graduate degrees in international affairs (Columbia University, New York) and in economics (Georgetown University, Washington).



Dr. Maiouf Belhamel, CDER Director (Renewable energy research centre, Algiers, Algeria)

Dr Belhamel est directeur de Recherche au centre de Développement des Energies renouvelable et dirige cette institution depuis 1983, Il a encadré plus d'une cinquantaine de magister et une vingtaine de doctorat. Il est docteur ingénieur obtenu à l'université de Poitiers. Il est spécialiste en solaire thermique et ils travaille actuellement sur la production de l'hydrogène par voie renouvelables.



Professor Anastasios J. Karabelas holds degrees in Chemical Engineering (Diploma, National Technical University of Athens; M.S. and Ph.D., University of Illinois, Urbana, USA). From 1970 until 1978, he was employed as a senior research engineer at Shell Development Co. (Westhollow Research Center, Houston, TX). He was Professor and Director of Chemical Process and Plant Design Laboratory, at the Department of Chemical Engineering at Aristotle University of Thessaloniki from 1978 to 2005, where he also served as Division Head and Department Chairman. He is a founding member of the Chemical Process Engineering Research Institute (CPERI), at the Centre for Research and Technology-Hellas (CERTH) in Thessaloniki, heading the Laboratory of Natural Resources and Renewable Energies since 1985. His research interests, and doctoral theses supervision, are in the areas of multiphase flow processes and colloidal systems, with emphasis on membrane separations. This research is applied to process equipment design, and, in particular, to water treatment (desalination, purification) and utilization of renewable energies. He has coordinated many R&D projects

funded by the European Commission, industries (Shell, Amoco-BP, Aramco, etc.) and other international and national funding agencies. He has organized several international and national scientific conferences and symposia. He has served in various technical and science policy committees in Greece and abroad, including the Board of Governors of the Joint Research Centre of the European Union (1984-1991).



Dr. Nachida Kasbadji Merzouk got her PhD degree at energy and materials Physics from the University Abou Bekr Belkaid of Tlemcen, in 2006. Since 2011, she was designed as Director of the solar equipment development unit of Bousmail, Tipaza. She was appointed as research director since 2007 and was the president of the scientific council of CDER from 2009 to 2011.

Nachida Kasbadji Merzouk is expert in the field of solar and thermal energy, solar air conditioning, solar heating, wind energy, desalination and renewable energy and wind erosion and desertification. She is the author of over 32 publications in peer-reviewed journals and 83 communications in national and international seminars. She supervised 6 PhD students and 8 masters. She also organised 10 scientific events and co edit special issue of procedia engineering (Vol 33) published by Elsevier.



Dr. Alberto Figoli got his PhD degree at Membrane Technology Group, Twente University (NL) in 2001. Since 2011, he has a permanent position as Researcher at Institute on Membrane Technology (ITM-CNR) in Rende (CS), Italy.

Alberto Figoli is expert in the field of membrane technology, particularly in membrane preparation and characterisation and their application in environmental field.

He is working on the preparation and characterisation of polymeric membranes, both in flat and hollow fiber configurations for water treatment. Furthermore, he is also involved on polymeric capsules preparation by membrane process which aim to tailor their morphology to the release of the species of interest for food packaging, chemical, pharmaceutical application.

He is also working on pervaporation applied to the removal of contaminants (i.e. VOCs) from water and aroma recovery from natural matrix.

He is involved in several international and national projects, and he is author of more than 45 scientific papers and chapters published in international journals and books, and of a patent all on membrane technology.



Dr. Jan Hoinkis conducted a doctorate in thermodynamics at the University of Karlsruhe, Germany (now Karlsruhe Institute of Technology). After completion of his thesis he moved to the Swiss company Ciba-Geigy, where he was working as head of a R&D group on process development in the field of fine chemicals production with focus on environmentally friendly technologies. He has been working since 1996 as a professor at the Karlsruhe University of Applied Sciences giving lectures in chemistry, thermodynamics as well as environmental process engineering. His R&D work is focused on water treatment and water reuse with special attention on membrane technologies. He was project coordinator of several national and international R&D projects and he is currently coordinating an European research project (FP7). In 2008 he was appointed Scientific Director of the Institute of Applied Research, which is the central research facility at the Karlsruhe University of Applied Sciences.



Dr.-Ing. Noredine Ghaffour joined the Water Desalination & Reuse Center (WDRC) in July 2010 as Principal Research Scientist. Before joining WDRC's team, he spent seven years as Senior R&D and Capacity Building Project Manager at the Middle East Desalination Research Center (MEDRC). During this period he successfully managed the Center's research and capacity building activities and participated in administration and financial projects management. Also, he prepared several technical & administration reports and he was a member of the committee in charge to build and set-up the Centre's in-house research facility. Noredine developed the curriculum, prepared and conducted, along with internationally well recognized instructors, over forty short training courses on different topics of water desalination and reuse in 14 different countries and handled over fifty research projects from proposal stage to final research projects including reviewing processes and MSc/PhD students' co-supervision. Before joining MEDRC he worked as an Assistant and Associate Professor in France and Saudi Arabia and as an Engineer-Consultant and Trainer in the field of Filtration/Separation Technologies in France. Noredine has over 18 years of experience in the field of drinking water treatment and water reuse technologies, and has specialized in the area of membrane-based and thermal-based desalination technologies. Over the years, he has made major contributions becoming an internationally known expert in desalination technologies. Dr. Ghaffour obtained his MSc and PhD degrees in Membrane Separation Technologies from Montpellier University, France, in 1992 and 1995 respectively. He is the author of over 60 publications in peer-reviewed journals and referred conference proceedings and several chapters in textbooks. He is a regular reviewer of several international journals and conferences and member of scientific committees. Also, he is a member of several international associations such as IDA, EDS, IWA, AWWA, and a frequent speaker and sessions co-chair in international conferences, seminars and workshops



Mms. ADAMOUCHE Aicha

- 3ème Cycle en communication de l'Université de Stendhal -Grenoble 3
- Executive Master Business Administration EDHEC – Lille - France
- Ingénieur en Planification de l'Institut National de la Planification et de la Statistique (I.N.P.S)
- Diplôme d'Etudes Supérieures en Management Institut International de Management

Expérience professionnelle

Secteur de l'Energie et des Mines

- Directeur de Projet de création de l'Institut Algérien des Energies Renouvelables (IAER) : période : 2009 - mai 2011

- Coordinatrice des projets Agence Nationale pour la valorisation des Hydrocarbures (ALNAFT) & Autorité de Régulation des Hydrocarbures (ARH) Période : 2001- 2004

New Energy Algeria - Spa

- Chef de projet RH & Organisation
- Manager Communication & coopération internationale
- Assistante Senior / PDG chargée de la stratégie

Expertise/ conseil

- Membre Expert/ ligue Arabe : Commission « stratégie des Energies Renouvelables et Efficacité Energétique dans la région MENA
- Membre Expert du Comité Régional de Pilotage/ GIZ- Maroc, Tunisie, Algérie
Capacity building – efficacité énergétique & énergies renouvelables
- Experte Nationale / MDP – Programme CDM4 - UNCC
- Consultante / Experte en Stratégie – Communication – organisation



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Formulaire d'inscription

Nom et prénom

Fonction/Grade

Établissement de rattachement

Adresse

Numéro de téléphone

email

Formulaire à retourner avant le **14 mai 2012** à l'adresse email : h.mahmoudi@univ-chlef.dz ou par fax au **027 72 33 70**