

الجمهورية الجزائرية الديمقراطية الشعبية

وزير التعليم العالي
والبحث العلمي



كاتب الدولة المكلف
بالجالية الوطنية بالخارج

بمشاركة الكفاءات الجزائرية بالخارج

Renewable Energy Teaching Program

الجامعة الصيفية للبحث العلمي والتكنولوجي

Scientific Research and technological Summer University
Université d'été de la Recherche Scientifique et Technologique



بالتعاون مع جمعية الكفاءات الجزائرية

In collaboration with the Algerian Competences Association (ACA)
Avec la collaboration de l'Association des Compétences Algériennes (ACA)



15-09 جويلية 2011 , جامعة تلمسان

July 9-15, 2011, Tlemcen University

9-15 Juillet 2011, Université de Tlemcen

Renewable Energy Program Directed by

Prof. Maamar Bettayeb, UEA, *point of contact during the event*

Prof. Halim Boussabaine, UK, *point of contact during the event*

Dr. Abdellatif ZERGA, Algeria

Dr. Nasre-Eddine Taibi, Germany/Algeria

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Friday, July 8, 2011	
	Participants Arrival
Saturday, July 9, 2011	
8h00 to 10h00	Registration and orientation
10h00 to 10h45	Official Inauguration <ul style="list-style-type: none">Opening Speech by His Excellency Prof. Rachid Haraoubia, Minister of Higher Education and Scientific ResearchSpeech by Prof. Nouredine Ghouali, Rector of Tlemcen UniversitySpeech by Dr Ali Becherirat, President of ACA Order Councili
10h45 - 11h15	Coffee Break
11h15- 11h45	Prof. Hafid Aourag, Director General, DGRSDT Directorate General for Scientific Research and Technological Development
11h45- 12h15	Dr. Mohamed Boudjelal, ACA President Algerian Competences Abroad: What Could We Offer and How ?
12h15 - 14h00	Lunch
	Theme 1: Materials, Technologies and Systems for Photovoltaic
	Theme 2: Wind, Ocean and Hydrogen Energies
14H-15H30	Dr. Tarek Lamara, Solar thermal energy the future energy source for Algeria and Europe (DESERTEC a big challenge and a real chance for Algeria)
	Prof. Abdelouahad AITOUCHE <i>LAGIS FRE CNRS 3033, Rue paul langevin, 59655, Villeneuve d'Ascq, France</i> Surveillance et Commande Tolérante aux fautes des systèmes complexes : Application à des systèmes de conversion d'énergie éolienne
15H30-16H	Coffee break
16H-17H30	Dr. Mahieddine EMZIANE <i>Masdar Institute of Science and Technology</i> Photovoltaic Technologies
	Prof. Abdelouahad AITOUCHE <i>France</i> Surveillance et Commande Tolérante aux fautes des systèmes complexes : Application à des systèmes de conversion d'énergie éolienne
17H30-19H	Meet the experts: practical workshop/exercises based on the day lectures by the day instructors
19h00 to 20h00	Dinner
20h00 to 21h00	Poster presentation-Free discussion + student presentations

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Sunday, July 10, 2011		
	Theme 1: <i>Materials and Systems for Photovoltaic</i>	Theme 2: Wind, Ocean and Hydrogen Energies
09H-10H30	Dr. Mahieddine EMZIANE <i>Masdar Institute of Science and Technology</i> Photovoltaic Technologies	Prof. Abdelouahad AITOUCHE <i>LAGIS FRE CNRS 3033, Rue paul langevin, 59655, Villeneuve d'Ascq, France ; Surveillance et Commande Tolérante aux fautes des systèmes complexes : Application à des systèmes de conversion d'énergie éolienne</i>
10H30-11H	Coffee break	
11H-12H30	Dr. Mahieddine EMZIANE <i>Masdar Institute of Science and Technology</i> Photovoltaic Technologies	Djaouida Chenaf, ing, MScA, Ph.D. Department of Civil Engineering Royal Military College of Canada Kingston, Ontario, CANADA Hydrogeological characterisation of aquifers: permeability and aquifer tests
12H30-14H	Lunch	
14H-15H30	Exercises based on the day lectures	Exercises based on the day lectures
15H30-16H	Coffee break	
16H-17H30	Dr. Mahieddine EMZIANE <i>Masdar Institute of Science and Technology</i> Photovoltaic Technologies	Djaouida Chenaf, ing, MScA, Ph.D. Department of Civil Engineering Royal Military College of Canada Kingston, Ontario, CANADA Hydrogeological characterisation of aquifers: permeability and aquifer tests
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Monday, July 11, 2011		
	Theme 1: <i>Materials and Systems for Photovoltaic</i>	Theme 2: <i>Wind, Ocean and Hydrogen Energies</i>
09H-10H30	Dr. Saad Mekhilef Design and Installation of Grid Connected PV Systems	Dr Assia HENNI Product development manager- Alstom Power – Power automation & control - Power Electronics R&D team – France, Part-time Lecturer - University of Technology of Belfort-Montbéliard - France Eolienne à vitesse variables : aspects technologiques
10H30-11H	Coffee break	
11H-12H30	Dr. Saad Mekhilef Design and Installation of Grid Connected PV Systems	Dr. Mohamed BECHERIF <i>UTBM Rue Thierry Mieg 90010 Belfort Cedex, France</i> La Représentation Energétique Macroscopique (REM)
12H30-14H	Lunch	
14H-15H30	Exercises based on the day lectures	Exercises based on the day
15H30-16H	Coffee break	
16H-17H30	Dr. Mohamed Boudjelal + Prof. Halim Boussabane Rigour and Discipline in Research + How to Get published	
17H30-19H	Meet the experts: practical workshop/exercises based on the day lectures by the day instructors	
19h00 to 20h00	Dinner	
20h00 to 21h00	Poster presentation-Free discussion + student presentations	

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Tuesday, July 12, 2011		
	Theme 1: <i>Materials and Systems for Photovoltaic</i>	Theme 2: <i>Wind, Ocean and Hydrogen Energies</i>
09H-10H30	Dr. Saad Mekhilef Design and Installation of Grid Connected PV Systems	Prof. Mohammed KOUBITI <i>Physique des Interactions Ioniques & Moleculaires,</i> Les Progrès de la recherche sur la fusion magnétique : des miroirs magnétiques au futur tokamak ITER
10H30-11H	Coffee break	
11H-12H30	Dr. Saad Mekhilef Design and Installation of Grid Connected PV Systems	Prof. Mohammed KOUBITI <i>Physique des Interactions Ioniques & Moleculaires</i> Les Progrès de la recherche sur la fusion magnétique : des miroirs magnétiques au futur tokamak ITER
12H30-14H	Lunch	
14H-15H30	Exercises based on the day lectures	Exercises based on the day lectures
15H30-16H	Coffee break	
16H-17H30	Prof. Maamar Bettayeb Challenges and Solutions in Modeling and Advanced Control of complex Systems.	
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Wednesday, July 13, 2011		
	Theme 1: <i>Materials and Systems for Photovoltaic</i>	Theme 2: <i>Wind, Ocean and Hydrogen Energies</i>
09H-10H30	Dr. Salah KHODJA <i>Ultimara Inc., USA</i> Understanding Nanotechnology	Dr Amor NADJI Les Applications du Rayonnement Synchrotron
10H30-11H	Coffee break	
11H-12H30	Dr. Salah KHODJA <i>Ultimara Inc., USA</i> Understanding Nanotechnology	PhD. Touraya DIB Nouvelles technologies de l'énergie : La filière Hydrogène énergie, retour d'expériences et enseignements
12H30-14H	Lunch	
14H-15H30	Exercises based on the day lectures	Exercises based on the day lectures
15H30-16H	Coffee break	
16H30-19H	Meet the experts: practical workshop/exercises based on the day lectures by the day instructors	
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point of contact during the event

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Thursday, July 14, 2011

**Closing Ceremony and Science day Conference
in the presence of DGRSDT, MESRS and Secetaire d'état in Charge of the National
Community Abroad**

A day co-chaired by Prof. Maamar Bettayeb/Dr Ali Becherirat/ Si Ali Verin

08H30-09H	Prof. Hafid Aourag, DGRSDT, DZ <i>Algerian Vision For Science and Technology</i>
9H-10H	<i>First Keynote speaker : Prof. Youcef Kamel Toumi, MIT, USA</i> <i>Making the Impossible Possible</i>
10H-10H30	Coffee break
10H30-11H30	<i>Second Keynote speaker: Dr.Belgacem Haba, USA</i> <i>From an idea to a billion dollars: research in academia, companies, and independent research centres</i>
11H30-12H30	Presentation of attendance certificate per field to the group: (5 minutes speech by one participant representing each field)
12H30-14H	Lunch
14H-19H	Close discussion between instructors and MESRS, DGRSDT, university rectors, directors of Algerian research centre etc. to identify collaboration and next steps