



Algerian Ministry of Higher Education and Scientific Research

وزارة التعليم العالي والبحث العلمي الجزائرية

Organize

Summer University For Science and Technology

In collaboration with

Algerian Scholars & Competences in the Kingdom of Saudi Arabia and in other countries & Algerian Embassy in Riyadh

تنظم

الجامعة الصيفية للعلوم والتكنولوجيا

بالتعاون مع

علماء وكفاءات الجزائرية بالمملكة العربية السعودية وبلدان أخرى والسفارة الجزائرية بالرياض

Research Summer University Objectives:

Teach intensive courses on the selected science and technology themes

Coach the trainees in their specific fields to enable them accelerating their research work and maximize scientific outcomes

Review the trainees research projects and guide them on how best to achieve the aims and objectives of their projects

Connect trainees with their counterparts at the different research institutions and universities worldwide for future collaborations

Courses

Artificial Intelligence & Mathematics / ICT

Engineering / Energy / How to Publish

Target Audience:

Junior Researchers and faculty members
Ph.D. students



1-3 August 2022

المكان: كلية الطب بين عكنون، الجزائر العاصمة، الجزائر
Location: Faculty of Medicine, Ben Aknoun, Algiers Algeria.

Contact us @ admin@sciedit-dw.org

أهداف المدرسة الصيفية:

تدريس دورات مكثفة في موضوعات العلوم والتكنولوجيا المختارة

تدريب الباحثين و طلبة الدكتوراه في مجالاتهم المحددة لتمكينهم من تسريع أعمالهم البحثية ونشر النتائج العلمية

مراجعة المشاريع البحثية للمتدربين وإرشادهم حول أفضل السبل لتحقيق أهداف وغايات مشاريعهم

ربط المتدربين مع نظرائهم في المؤسسات البحثية والجامعات المختلفة في جميع أنحاء العالم للتعاون في المستقبل

مجالات التدريب

الذكاء الاصطناعي / الرياضيات / تكنولوجيا المعلومات والاتصالات

الهندسة / الطاقة / كيف نشر

الجمهور المستهدف:

الذكاء الاصطناعي / الرياضيات / تكنولوجيا المعلومات والاتصالات

الهندسة / الطاقة / كيف نشر



Ministère de l'enseignement supérieur et de la recherche
scientifique
Université d'été avec la collaboration de compétences
Algériennes « Arabie Saoudite »

Du 01 au 03 Aout 2022

Faculté de Médecine de l'université Alger 1

-Programme -

Modérateur : Mr MORSLI

[Lundi 01 Aout 2022]

[9:00] [09:30]

- **Mot de bienvenue du Pr A. BENTELLIS**
Recteur d'Alger 1 et Secrétaire général du MESRS.
- **Communication d'ouverture du Pr A.BENZIANE**
Ministre de l'Enseignement Supérieur et de la Recherche Scientifique.
- **Mot d'ouverture du :**
Pr Mohamed Boudjelal
Chairman of Medical Research Core Facility and Platforms, King Abdullah International Medical Research Center (KAIMRC), Kingdom of Saudi Arabia

Séance 1 : plénière

[09:30] à [09:45]

Conférence du Pr BOUDJELAL Mohamed
« Les Savants et Les Compétences Algériens A l'étranger. »

[09:45] à [10:00]

Conférence du Pr. MOKRANE Abdelhafid
« Ethique et déontologie en Algérie ».

[10:00] à [10:15]

Conférence du Pr. BACHIR Abdelmalik, Directeur de l'école d'Intelligence artificielle de Sidi Abdellah
« Présentation de l'école d'Intelligence Artificielle ».

[10:15] à [10:30]

Conférence du Pr. MEDEGHRI Ahmed, Directeur de l'école de Mathématique de Sidi Abdellah
« Présentation de l'école de Mathématique »

[10:30] à [11:00]

Pause-Café

Séance 2 :

THEME : Rédaction scientifique et d'éthique de la recherche

[11:00] à [13:00]

Pr MOKDAD Mohamed et Pr BOUDJELAI Mohamed;
« Collège of Education Bahrein University »

[13:00] à [14:00]

Pause Déjeuner

Séance 2: Suite

[14:00] à [18:00]

Pr MOKDAD Mohamed et Pr BOUDJELAI Mohamed;
« Collège of Education Bahrein University »

[16:00] à [16:30]

Pause-Café

[Mardi 02 Aout 2022] et [Mercredi 03 Aout 2022]

Programme « Ateliers en parallèle » [9:00] à [13:00] et [14:00] à [18:00]

Atelier1 :

Conférence du Pr BOUNKHEL Messaoud

« Applied Mathematics ».

Intitulé : Analyse non lisse : théorie et applications

Atelier2 :

Conférence du Pr. Pr BEDJA Idris

« Renewable

Energy/Photovoltaics ».

Intitulé ; Cellules solaires de troisième génération : concept, examen et comparaison

Atelier3 :

Conférence du Pr CHENAf Djaouida

Mathematic & water engineering&Hydraulic

Intitulé: Conception et interpretation d'essais hydrauliques d'aquifères dans des contextes simples et complexes avec une introduction aux études de modélisation des eaux souterraines

Atelier4 :

Conférence du Pr BETTAYEB Maamar

Intelligent Engineering

Intitulé: Décomposition en valeurs singulières :

Partie 1 Vue d'ensemble et propriétés

Partie 2 : Applications au contrôle, au traitement du signal et des images

Atelier5 :

Technologies du Web
&
Numérique Éducatif

Conférence du Pr DJOUDI Mahieddine

Intitulé: Approche de curation de contenu : Application au Learning Analytics

Conférence Prof. Saad Harous, Université Sharaijah, Emarates Arabes Unis

Intitulé

Conception et analyse avancées d'algorithmes



Biographie des intervenants



Dr Mohamed Boudjelal

Director Drug Discovery and Development
Chairman of Medical Research Core Facility and Platforms , King Abdullah International Medical Research Center (KAIMRC), Kingdom of Saudi Arabia

Prior Joining KAIMRC, Dr BOUDJELAL was a group leader-Senior Investigator at GlaxoSmithKline. Mohamed also held a position as an Associate Director for preclinical drug discovery in Incyte (Pfizer) pharmaceutical, and worked as a Scientist in Institute of Genetic and

Molecular and Cellular Biology, Strasbourg, France, and as a senior research associate (permanent position) at the University of Michigan, USA. Mohamed holds a Ph.D. in Biochemistry and Molecular Biology from University of Leeds, UK, and a degree in International Business and vocal education from University of California in San Diego. Dr. BOUDJELAL is recipient of several awards for scientific research excellence. Dr. Boudjelal is founder of Algerian Competences Association and The International Science Edit For the Developing World. Dr. Boudjelal is member of Algerian Council of Scientific Research.

Prof. Messaoud Bounkhel (Ph.D.)



Professor, Department of Mathematics,
College of sciences,
King Saud University.
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I received the B.S. degree in Mathematics from University of Batna, Algeria, in 1994 and the M.S. degree in Mathematics from University of Montpellier 2, France in 1995. I received the Ph.D in Mathematics (Nonsmooth Analysis) from University of Montpellier 2, France in 1999. From 1999 to 2001, I was a Researcher-Teacher in CMM (Centro de Modelamiento Matematico), Santiago, Chile. I joined the department of Mathematics in KSU, Saudi Arabia in 2001 as assistant professor. I

have been promoted to Full Professor at KSU in 2008. My research interest includes Nonsmooth Analysis, Mathematical Modeling, Optimization, Differential inclusions, Variational Inequalities, Optimal control theory and applications.

Prof Mohamed Mokdad ,



Department of Psychology,
College of Education
Bahrain University
Sakhir, Bahrain
Tel: + 973 17 437169

He received his Master and Ph.D. degree from University of Birmingham, England
His work experience is

- Professor, Department of Psychology, College of Arts, University of Bahrain, 2000-present
- Professor, Department of Psychology, International University of

Malaysia, 1997-2000.

- Professor, Department of Psychology, College of Human Sciences, University of Constantine, Algeria, 1995-1997

He published over 100 research papers.

Professor Idriss Bedja, Ph.D.



[Google Scholar](#): Citations 3583; h-index 23; i10-index 44; ORCID: [0000-0002-1583-912X](#), ResearcherID:

CRC, Nano-photonics Lab.

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Idriss Bedja received his BSc degree from University of Science and Technology Houari Boumediene (USTHB), Algiers, Algeria, in 1986; his MSc degree in Physics from University Laval, Quebec, 1991 and his PhD degree in Photo-biophysics from University of Quebec, Quebec, 1996. Apart from his research expertise and interests in fabrication, steady state and real time characterization of nanostructured-based Dye sensitized/and Quantum Dots solar cells, he is also focusing on Nano-based Ocular Drug delivery using contact lenses novelty fabricated to fit the best pharmaceutical requirements. As a result of local, regional and international collaborations, Dr. Idriss has published more than 70 journal papers. Dr. Idriss is a fellow of Alexander Von Humboldt Organization, Germany; Member of Board of Assessors, King Saud University, KSA since 2017 and Academic Accreditation Reviewer.



Prof. Djaouida Chenaf, Peng/ing., M.Sc.a., Ph.D.

PROFESSEUR TITULAIRE, CMR, DÉPARTEMENT DE GÉNIE CIVIL, Canada

Djaouida Chenaf works in the field of geosciences, soil and groundwater engineering. She holds a Master of Applied Sciences in Geotechnical Engineering from the University of Moncton, New Brunswick (1992) and a PhD in Hydrogeology (1997) from École Polytechnique de Montréal. She is a member in good standing of the Ordre des ingénieurs du Québec. Dr. Chenaf is now full professor in the Department of Civil Engineering at the Royal Military College (RMC) of Canada. She teaches various civil engineering disciplines and is very active in research, particularly in physical, numerical and analytical modelling of permeability tests of unconsolidated soils, underground flows in saturated and unsaturated environments. She is the recipient of

numerous awards, and honours both in Canada and internationally. Dr. Chenaf currently supervises seven PhD students and one master's student enrolled in five different national and international institutions including RMC. Throughout her career, both in Canada and internationally, Dr. Chenaf has led several technical studies and has carried out many highly complex hydrogeological and geotechnical projects that required high-level technical expertise.

Professor Maamar Bettayeb



Professor and Vice Chancellor For Graduate Studies and Research

He received the B.S., M.S., and Ph.D. degrees in Electrical Engineering from University of Southern California, Los Angeles, in 1976, 1978 and 1981, respectively.

He worked as a Research Scientist at the Bellaire Research Center at Shell Oil Development Company, Houston, Texas, USA. From 1982 to 1988, He directed the Instrumentation and Control Laboratory of High Commission for Research in Algeria. In 1988, He joined the Electrical Engineering Department at King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia. He has been Professor at University of Sharjah UAE since August 2000. **He is the Vice Chancellor for Research and Graduate Studies at University**

of Sharjah, starting September 2014. Distinguished Adjunct Professor, Center of Excellence in Intelligent Engineering Systems (CEIES), King Abdulaziz University, Jeddah, Saudi Arabia He has published over 350 journal and conference papers in the fields of control and signal processing. He has also supervised over 50 M. Sc. and Ph. D. students.

Prof. Mahieddine Djoudi



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Mahieddine Djoudi a obtenu son doctorat de l'université de Nancy 1 en 1991. Son sujet de thèse portait sur le décodage acoustico-phonétique et la reconnaissance automatique de la parole continue en Arabe standard et en contexte multi-locuteur. Depuis, il est enseignant chercheur en Informatique à l'université de Poitiers (France). Il est membre du laboratoire de recherche TechNE (Technologies Numériques pour l'Education). Ses thématiques de recherche tournent autour du elearning, mobile learning, web mining, la maîtrise de l'information et la qualité dans l'enseignement supérieur. Ses enseignements portent sur la gestion des données en essais cliniques, la validation des systèmes informatisés, le management de la qualité, les méthodes de développement de logiciel, la gestion de projet et les bases de données et les technologies du web ?.

Prof. Saad Harous



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Prof.Saad Harous: obtained his PhD in computer science from Case Western Reserve University, Cleveland, OH, USA in 1991. He has more than 30 years of experience in teaching and research in three different countries: USA, Oman and UAE. He is currently an Professor at the College of Computing and Informatics, in the University. Of Sharjah His teaching interests include programing, data structures, design and analysis of algorithms, operating systems, and networks.

His research interests include parallel and distributed computing, P2P delivery architectures, wireless networks, and the use of computers in education and processing Arabic language. He has published more than 200 journal and conference papers.

300 Students were trained





