



Ministry of Higher Education and Scientific Research
Summer University in collaboration with
Algerian Competences in the Kingdom of Saudi Arabia
[August 1-3, 2022, Algiers Faculty of Medicine, Algeria]

Program Learning Objectives:

Day 1:

1. Present the process of publishing: compiling data, writing papers and communicating with journals
2. Present recognized sources to access to scientific literature in each theme.
3. General Introduction to the impact of knowledge on Society and role of scientific research
4. General Introduction to the research methodology: ethics for conducting research, innovation and avoiding the plagiarism etc.

Day 2:

1. Present the latest research examples in each theme
2. Expose students to the future trends of research in each theme

Day 3:

1. Students to present their research projects
2. Get feedback and guidance from experts
3. Students to expose and share their learning
4. General discussion on future research trends and recommendations by experts.

-Proposed Program-

Day 1		1 August 2022	9h00-17h00.	
Course title	Theme	Duration	Instructor	Target Ph, D. Students / Researchers
Scientific Writing and research ethics:	Scientific Writing	8 hours	Prof. Mohamed Mokdad College of Education Bahrain University Sakhir, Bahrain Dr. Mohamed Boudjelal KAIMRC Kingdome of Saudi Arabia,	All to attend
Day 2		2 August 2022	9h00-17h00	
Course title	Theme	Duration	Instructor	Target Ph, D. Students / Researchers
Nonsmooth Analysis: Theory and Applications	Applied Mathematics	8 hours	Prof. Messaoud Bounkhe, Department of Mathematics, King Saud University, Saudi Arabia.	Applied Mathematics
Third Generation Solar Cells: Concept, Review and Comparison	Renewable Energy/ Photovoltaics	4 hours	Prof. Idriss Bedja Professor at King Saud University, Riyadh, Saudi Arabia	Renewable Energy
Hydraulic aquifer test design and interpretation in simple and complex settings with an introduction to groundwater modeling studies	Mathematics & Water Engineering & Hydraulic	3 days	Prof. Djaouida Chenaf, Peng/ing., M.Sc.a., Ph.D. PROFESSEUR TITULAIRE, CMR, DÉPARTEMENT DE GÉNIE CIVIL, Canada	Hydrogeologists, Geologists, and Engineers
Singular Value Decomposition: Part 1 Overview and Properties	Intelligent Engineering	hours 6	Prof. Maamar Bettayeb Professor of Control Engineering and Signal Processing	Renewable Energy & Engineering

<i>Singular Value Decomposition: Part 2: Applications to Control, Signal and Image Processing</i>			<i>Distinguished Professor Centre of Excellence in Intelligent Engineering Systems (CEIES) King Abdulaziz University, Jeddah, Saudi Arabia</i>	
<i>Approche de curation de contenu : Application au Learning Analytics</i>	Technologies du web & Numérique Educatif	4 hours	<i>Dr. Mahieddine Djoudi Département d'Informatique & Laboratoire TECHNE Université de Poitiers 2, rue Michel Brunet, Bâtiment B24 86073 Poitiers CEDEX 9, France</i>	<i>Computer Science & ICT</i>
<i>Day 3</i>	<i>3 August 2022</i>	<i>9h00-15h00</i>		
<ul style="list-style-type: none"> • Students to present their research projects. • Get feedback and guidance from experts. • Students to expose and share their learning. • General discussion on future research trends and recommendations by experts. • One to one meeting & Mentoring. 				