

Day 1

Live  
Webinar

Meet Our Speaker : Prof. Yarub Al-Douri

## Solar Energy and Nanotechnology



**Full Professor at Nanotechnology and Catalysis  
Research Center, University of Malaya, Malaysia**

He has initiated Nanotechnology Engineering MSc Program and Nano Computing Laboratory, the first in Malaysia. Al-Douri has more than 691 publications currently including patents, books, chapters review, papers, articles and conferences and US\$ 4.5M research grants.

You're Invited to Join us



Tuesday 6, April 2021

9:00 – 9:25 am



Live  
Webinar

Meet Our Speaker : Dr.Yasser S Alajerami

## Investigation of Gamma Radiation Shielding Properties of Cadmium Bismuth Borate Glass Experimentally, XCOM Program and MCNP5 Code



**Associate Professor at Ohio State University, USA**

He got a PhD in Radiation Protection and Dose Measurements from UTM-Malaysia. This is his 18th year in academic teaching at different worldwide universities and his 10th year a researcher at radiation and medical imaging discipline. Until now, he published over 60 research articles in international peer-reviewed journals and international conferences.

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Tuesday 6, April 2021

9:25 – 9:50 am



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Webinar

Meet Our Speaker : Prof. Safia Anjum

## Investigation of Magnetic and Ferroelectric Properties of Chromium Substituted M-type Barium Hexaferrites



Full Professor at Lahore College for Women  
University, Pakistan

She is currently working as a professor and Director Academics and Planning in the department of Physics LCWU. She is working at LCWU since 1999. She has collaboration with many national and international universities and research centers.

You're Invited to Join us



Tuesday 6, April 2021

9:50 – 10:15 am



Live  
Webinar

Meet Our Speaker : Dr. Ridha Hamdi

## Liquid Crystals for LCDs Technology



**Assistant Professor at College of Science , Imam  
Abdulrahman Bin Faisal University, KSA**

He did a postdoc in the Physics Department at University of Calabria (Italy) during 2011-2013. He was an Assistant Professor at University of Sfax (Tunisia) from 2013 to 2016.

You're Invited to Join us



Tuesday 6, April 2021

10:15 – 10:35 am



Live  
Webinar

Meet Our Speaker : Dr.Ilyas Khan

## Newtonian, and non-Newtonian Fluid



Associate Professor at Al Majmaah University, KSA.

He Received the Ph.D. degree in applied mathematics from the Universiti Teknologi Malaysia in 2012 and subsequently Post Doc in 2013. He has over 15 years of academic experience in different reputed institutions of the world.

You're Invited to Join us



Tuesday 6, April 2021

10:35– 11:00 am



Meet Our Speaker : Prof.Nabil Gmati

## New Neural Network classification method for individual's ancestry prediction from SNPs data



Full Professor, Department of Mathematics ,  
College of Science , Imam Abdulrahman Bin Faisal  
University, KSA

You're Invited to Join us



Tuesday 6, April 2021

11:00 – 11:25 am





Live  
Webinar

Meet Our Speaker : Dr. Maram Alwohaibi

## Modelling the Risk of Underfunding in ALM Models



Assistant Professor at College of Science , Imam  
Abdulrahman Bin Faisal University, KSA

She got a PhD degree in Operations Research from Brunel University London. Master's degree in Mathematical Statistics from Dammam University. A member in Basic and Applied Scientific Research Center (BASRC) in IAU. Areas of interest are: Operations Research, Decision making under uncertainty, and Machine Learning.

You're Invited to Join us



Tuesday 6, April 2021

11:25 – 11:50 am





Live  
Webinar

Meet Our Speaker : Dr. Muhammad Zahir Iqbal

## Recent Trends and Inovations Towards Next Generation Hybrid Energy Storage Devices



Associate Professor at GIK Institute of Engineering  
Science and Technology, Pakistan

He has completed his PhD degree from Universitat Politècnica de Catalunya (UPC), Barcelona, Spain in 2014 and second PhD degree from Sejong University, Seoul, South Korea in 2015.

You're Invited to Join us



Tuesday 6, April 2021

1:00 – 1:25 pm



Live  
Webinar

Meet Our Speaker : Dr .Sharidan Bin Shafie

## Characteristic of Various Essential Dimensionless Numbers on Fluid Flow and Heat Transfer Phenomenon

Associate Professor at University Technology  
Malaysia, Malaysia



He has published over 250 articles in distinguished journals and a member of Editorial Board of several journals. He won several awards related to his research. In 2018, he was awarded the Malaysia's Sesearch Star Award by the Ministry of education Malaysia. He already graduated more than 18 PhD students under his supervision. He is an associate fellow at UTM Centre for Industrial and Applied Mathematics (UTM-CIAM) and also currently a Director of Department of Mathematical Sciences, Faculty of Science, Universiti Teknologi Malaysia Johor Bahru, Johor, Malaysia.

You're Invited to Join us



Tuesday 6, April 2021

1:25 – 1:50 pm



Live  
Webinar

Meet Our Speaker : Prof. Sari Tewfik

## The Chemostat: Mathematical Theory of Microorganism Cultures

Full Professor, The French National Research  
Institute for Agriculture, Food and Environment  
(INRAE), France

He received a PhD in Mathematics from the University of Strasbourg, France in 1979, and a Doctorate Es Science, from the University of Mulhouse, France, in 1983. He spent eight years, 1983-1991, as an associate professor, then professor in the Institute of Computer Science at the University of Sidi Bel Abbas, Algeria.

You're Invited to Join us



Tuesday 6, April 2021

1:50 – 2:15 pm



Live  
Webinar

Meet Our Speaker : Prof. Sining Yun

## Tantalum-based Transition Metal Nanohybrid: From Nano-size to Single Atom



Full Professor at XIAN University of Architecture  
and Technology, China

He is currently a Research Director and Group Leader of  
Functional Materials Laboratory and Key Lab of Nanomaterials  
and Nanotechnology of Shaanxi Province (China).

You're Invited to Join us



Tuesday 6, April 2021

2:15 – 2:35 pm



Live  
Webinar

Meet Our Speaker : Dr. Mohd Arif Agam

## Laser Irradiated Doped Polystyrene as Facile Technique in Fabricating Graphitic Materials



Associate Professor of Applied Sciences and  
Technology at UTHM University, Malaysia

Awarded as Best Malaysian-UK student in 2005 by Malaysian government and published more than 45 research papers in reputed journals. His research interest span from polymer resists to functional nanomaterials especially for environment preservation.

You're Invited to Join us



Tuesday 6, April 2021

2:35 – 3:00 pm



Live  
Webinar

Meet Our Speaker : Dr. Muhammad Awais

Novel Technology for Detection of Environmental  
Hormones in Live Cells



Senior Research Scientist at University of  
Liverpool UK, United Kingdom

With a diverse industrial and academic experience, he has contributed to the advancement of basic and translational research. He joined the University of Liverpool, UK and has expanded his research interests in drug discovery and development for acute inflammatory conditions targeting mitochondrial proteins.

You're Invited to Join us



Tuesday 6, April 2021

3:00 – 3:25 pm





Live  
Webinar

Meet Our Speaker : Prof. Azaiez Mejd

## Virtual material for Thermal Energy Storage



Full professor at Bordeaux University, France

He is full professor of Mechanical Engineering at the Polytechnic Institute of Bordeaux since 2001. He is expert in many agencies of research. His research activity has been motivated by modeling and simulating natural and industrial problems and applications.

You're Invited to Join us



Tuesday 6, April 2021

3:25 – 3:50 pm





Day 2

Live  
Webinar

Meet Our Speaker : **Dr.Zainab Majed Almutairi**

## Diversity of Local Pear Millet Varieties: Toward Food Security in Saudi Arabia



Associate Professor at Prince Sattam bin AbdulAziz  
University, College of Science and Humanities, Biology  
Department at Al-Kharj City in Saudi Arabia.

Her recent research projects focused on discovering molecular defense  
mechanisms in the local pearl millet varieties that able to tolerate the  
hot and dry environment in Saudi Arabia.

You're Invited to Join us



Wednesday , 7 April 2021

9:00 – 9:25 am



Live  
Webinar

Meet Our Speaker : Dr. J Francis Borgio

## Gene - Environment (G×E) Interactions Influence Human Phenome

Associate Professor at IRMC, Imam Abdulrahman  
Bin Faisal University, KSA



He is the Chairman of the Department of Epidemic Diseases Research. He is an Academic Editor: PLOS ONE. He served as Deputy Chairman in the International Indian School Dammam, one of the world's biggest schools. He received his Ph.D. in Microbiology from CPRC, St. Xavier's College, MS University, Tamil Nadu, India. Borgio has completed Red Blood Cells Observerships, at University of Zürich, Zürich, Switzerland

You're Invited to Join us



Wednesday , 7 April 2021

9:25 – 9:50 am



Live  
Webinar

Meet Our Speaker : Dr. Muhammad Zaffar Hashmi

## Arsenic Levels and Biomethylation Genes Abundance in Paddy Soils from Pakistan



Assistant Professor at Department of Chemistry  
COMSATS University, Pakistan

He received Ph.D. in Environmental Engineering from Zhejiang University, China. He is Member of Pakistan Academy of Sciences and International Toxicology Society.

You're Invited to Join us



Wednesday , 7 April 2021

9:50 – 10:15 am



Live  
Webinar

Meet Our Speaker : Dr. Maryam Haroon AL-Soufi

## The Utilization of Date Palm Karab Waste Used as Sustainable Soil Amendment for Saudi Arabian Sandy Soil



Assistant Professor at College of Science, Imam  
Abdulrahman Bin Faisal University, KSA

She got her PhD from the University of Putra, Malaysia. She worked for almost five years with Saudi Aramco Oil before joining Imam Abdulrahman Bin Faisal University in Saudi Arabia as a lecturer.

You're Invited to Join us



Wednesday , 7 April 2021

10:15 – 10:35 am



Live  
Webinar

Meet Our Speaker : Dr. Nadiyah Alabdullah

## Impact of Algal Biofertilizer on Plants Growth and Metabolism Under Salt Stress Conditions



Assistant Professor College of Science, Imam  
Abdulrahman Bin Faisal University, KSA.

Faculty member at Imam Abdulrahman Bin Faisal University.  
She got a PhD degree from King Abdelaziz University, Jeddah,  
Kingdom of Saudi Arabia

You're Invited to Join us



Wednesday , 7 April 2021

10:35 – 11:00 am



Live  
Webinar

Meet Our Speaker : Prof. Mohamed M. Ibrahim

## Soil Contamination and Remediation

Full Professor at KEAN UNIVERSITY, School of  
Natural Sciences NJ, USA.



He has more than two decades of experience in Plant Physiology and Biochemistry and Implemented as an agriculture scientist in many research projects with the impact of more than 50 research papers focused on understanding the plant strategies to cope with environmental stresses to be resilient to persist.

You're Invited to Join us



Wednesday , 7 April 2021

11:00 – 11:25 am





Meet Our Speaker : Dr. Amani Rached

## Modelling and Performance Optimization of InGaN based PIN Solar cells

Assistant Professor at College of science, Imam  
Abdulrahman Bin Faisal University, KSA



She got a Ph.D. degree in Physics of Materials and Nanostructures.  
She focuses her research area on devices based on III-V-N  
semiconductors which are promising materials of novel devices such  
compact and coherent solid-state Terahertz sources and Solar Cells.

You're Invited to Join us



Wednesday , 7 April 2021

11:25 – 11:50 am



Live  
Webinar

Meet Our Speaker : Prof. Nouar Tabet

## PV Technology: R&D Paths to Exit the Oil Age



Dr. Nouar is the Dean of the College of Sciences and Professor of Physics at the University of Sharjah, UAE

He served in many academic positions including Chancellor of the University of Constantine, Algeria, Chief Scientist at Qatar Environment and Energy Research Institute, and Professor of Physics at KFUPM, Saudi Arabia. He received his PhD in Materials Sciences from University of Orsay Paris XI, France. His research interests include silicon and perovskite solar cells, nanomaterials, and thin films.

You're Invited to Join us



Wednesday , 7 April 2021

1:00 – 1:25 pm



Live  
Webinar

Meet Our Speaker : Dr. Asmaa Elhassan Ramadan Mohamed

## LIBS as a Strategy for Enhancing Water Quality

Associate Professor at Basic Science Department, Higher  
Technological Institute, Egypt



She got a PhD, with distinction, in laser Science at the National Institute of Laser Enhanced Science (NILES), Cairo University in laser Science, 2009. She is a Postdoctoral researchers at ENEA International short-term mobility program. She spend Three-month international grant in the framework, at UTAPRAD Unit, ENEA Frascati Center, Roma, Italy 2012.

You're Invited to Join us



Wednesday , 7 April 2021

1:25 – 1:50 pm



Live  
Webinar

Meet Our Speaker : Prof. Abir Abdelnaby

**Graft Copolymerization of Diallylamine onto starch  
as non-Energy consuming Resins for water treatment use  
Characterization, removal of Cu (II) cations and antibacterial activity**

**Full Professor and Head of Water Treatment Unit at  
BASRC**



She graduated from faculty of science, Cairo University. She won a grant to do her PhD in Virginia, USA. Also, she got a postgraduate fellowship from UNESCO, at Tokyo institute of technology. Her field of specialty is polymer chemistry and its water treatment applications. She published more than 40 scientific papers. Currently, she is working as a professor at Chemistry department, IAU University And the head of the water treatment unit, Basic and applied research center. Professor Abir is the first member of the college of science collaborating with the industry, performing an agreement with the SWCC (saline water conversion corporation), at Al-Jubail.

You're Invited to Join us



Wednesday , 7 April 2021

1:50 – 2:15 pm



Live  
Webinar

Meet Our Speaker : Dr. Omeje Maxwell

## Increasingly Importance of Sustainable Water Resources Management: Challenges and Prospects in Saudi Arabia

Assistant Professor at Department of Physics  
Covenant University , Nigeria.



Dr. Maxwell obtained a Ph.D. in Physics from Universiti Teknologi Malaysia in 2014. He is an expert in Environmental Monitoring and Impact Assessments with key areas in Water quality and Environmental Radioactivity. He also researches Innovative Water and Wastewater Treatment, linking Environmental Fate to Human and Ecosystem Health in extreme conditions. His current research project is on sustainable locally made point-of-use ceramic filters for household water treatments

You're Invited to Join us



Wednesday , 7 April 2021

2:15 – 2:35 pm



Live  
Webinar

Meet Our Speaker : Eng. MOHAMMED AL-SOFI

## WATER & ENERGY PRODUCTION, DREEMS, PROTECTION & TARIFFS, (INCLUDING RENEWABLE RESOURCES)



Engineer at Engineering Consulting Castle of  
SOFIA (ECCOS), KSA

Research Technical Advisor : Saline Water Conversion,  
Corporation ( SWCC ) 1986-2001, Executive Managing Partner  
Arabian Consulting Engineering Company ( ACEC Co. ) 2009-2019.

You're Invited to Join us



Wednesday , 7 April 2021

2:35 – 3:00 pm





Live  
Webinar

Meet Our Speaker : Dr. Asma Elsharif

## Solar Energy Water Splitting for Storable Fuel Generation



Associate Professor at College of science, Imam  
Abdulrahman Bin Faisal University, KSA

She is an Associate Professor in the Department of Chemistry at Imam Abdulrahman bin Faisal University, where she teaches different courses in chemistry. She was a previous fellow of the IBK program at Massachusetts Institute of Technology, US. She worked as a visiting researcher and conducted research with several universities worldwide. She has several publications and participated in major international conferences. Her research areas are clean water and clean Energy, Corrosion Inhibitors and Nanotechnology.

You're Invited to Join us



Wednesday , 7 April 2021

3:00 pm – 3:25 pm





Live  
Webinar

Meet Our Speaker : Prof. André Schleife

## Materials Design Driven by Computation and Shared Research Data: The Example of Excited Electrons



Full Professor at University of Illinois Urbana-Champaign, USA

He received the NSF CAREER award, the ONR YIP award, and was an ACS PRF doctoral new investigator. André is editor for a journal and actively organizes national and international schools, workshops, and tutorials to advance the community around cutting-edge first-principles simulations of materials.

You're Invited to Join us



Wednesday , 7 April 2021

3:25 – 3:50 pm

