

WAST'2023

ندوات عبر الإنترنت في العلوم والتكنولوجيا المتقدمة

Webinars on Advanced Science & Technology

Webinaires en Sciences & Technologies avancées

WAST'2023

COURSES

22 April – 1 July 2023

Target Audience: Ph.D. Students, Researchers, Science Administrators

Registration: we invite you to complete the following online questionnaire:

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For each webinar, the first 100 registrants having provided a valid email address will receive a Zoom link to participate in the chosen webinars.

For more details, contact us at the email address: webinar@algeriansca-dz.org

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Course Title 1: Nanosciences & Nanotechnologies: Background

Instructor Name: Instructor Affiliation: Prof. Maaza Malik, UNESCO UNISA ITL/NRF Africa Chair in Nanosciences & Nanotechnology, South Africa

Field/ Specialty: Nanotechnologies

Course Date: 22nd April 2023

Course Time: 6:00 PM

Instructor Biography + Photo:

Prof. M. Maaza is a native of North Africa, holds a PhD from the University of Paris-VI, is the current incumbent, in South Africa, of the UNESCO UNISA-ITLABS-NRF Africa Chair in Nanosciences. He is a joint staff of the University of South Africa and the National Research Foundation of South Africa. He is a fellow of various Academies, including the African Academy of Science, the European Academy of Arts & Sciences as well as the National Academy of Science of India, the Islamic Academy of Sciences & the Royal Society of Chemistry-London. Prof. M. Maaza has been bestowed several awards & accolade among which; the African Union Nkwame Nkrumah award for Excellence in Science & Technology & the Galileo-Galilei award by the International Commission for Optics (ICO).



Moderator Name and affiliation: Djoudi Mahieddine, Laboratoire Techné, Université de Poitiers. France

Course Title 2: The Chemistry of BioConjugation and its application

Instructor Name; Instructor Affiliation: Chenna Ahmed, Monogram BioSciences, USA

Field/ Specialty: Biomedical

Course Date: 29th April 2023

Course Time: 6:00 PM

Instructor Biography + Photo:

- *Ph.D Strathclyde University, Glasgow, Scotland (UK)*
- *Postdoctoral research associate, in Department of Pharmacological Sciences, School of Medicine, State University of New York at Stony Brook, worked on DNA damage, repair, and replication.*
- *Staff Scientist in the University of Berkeley-Lawrence Berkeley National Laboratory, Life Science Division worked on DNA damage, repair, and replication.*
- *He was a co-principal investigator of two-awarded NIH sponsored research grants for \$3.2 million.*



- ACLARA Biosciences as a senior scientist and Lab supervisor in the Advanced Technologies Group, where he was the co-inventor of VeraTag™ technology for genes and proteins.
- Principal scientist in the oncology group at Virologic Biosciences Inc.
- Principal scientist in the oncology group at Monogram Biosciences part of Laboratory Corporation of America and managed the oncology reagent group.
- He has been working on biomarkers for oncology and neurodegenerative diseases such as Alzheimer's, ALS (Amyotrophic lateral sclerosis, Lou Gehrig's disease) and MS (Multiple sclerosis) and concussion for over 15 years.
- In 2010, he chaired the scientific committee of the Biotech World Conference, Oran, Algeria.
- A member of the Scientific Board of the Biotechnology Center of Constantine, Algeria.

He is a member of the following scientific associations:

- 1- American Chemical Society (ACS)
- 2- Society for Neuroscience (SfN)
- 3- American Academy of Neurology (AAN)

Dr. Chenna authored over 80 technical publications & conference abstracts including 14 US patents.

Moderator Name and affiliation: Boudjelal Mohamed, KAIMRC. Saudi Arabia

Course Title 3: Introduction aux bases données médico-administrative pour une utilisation en santé publique et la recherche

Instructor Name; Instructor Affiliation: Behlouli Hassan, Research institute, McGill University, Canada

Field/ Specialty: Medical

Course Date: 6th Mai 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

J'ai fait mes études d'ingéniorat en Algérie (Blida). J'ai poursuivi mes études doctorales en France (INSA de Lyon) avec pour sujet de thèse : Apprentissages auto-améliorants et modélisation de la dynamique temporelle de données évolutives par réseaux de neurons : application au diagnostic et la prédiction en électro cardiologie quantitative. En 1998 j'ai fait un post doctorat au département de chirurgie (division d'urologie de l'université de McGill). Depuis 2004 je collabore avec des chercheurs en tant que biostatisticien qui consiste entre autre à exploiter, à explorer et à expliquer diverses questions de recherche dans le domaine de la sante.

Moderator Name and affiliation: Ahmed Chenna, Monogram BioSciences, USA

Course Title 4: Fonctionnement et utilisation de ChatGPT

Instructor Name; Instructor Affiliation: Djoudi Mahieddine, Université de Poitiers, France

Field/ Specialty: Artificial Intelligence

Course Date: 13rd Mai 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

Après des études universitaires aux universités de Sétif et de Constantine, Mahieddine Djoudi a obtenu son doctorat de l'université de Nancy 1 (en France) 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'Éducation). Ses thématiques de recherche tournent autour du e-learning, les Learning Analytics, l'analyse des sentiments, la maîtrise de l'information scientifique 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, l'usage du numérique, les bases de données et les technologies du Web. Il est par ailleurs référent HAL du Laboratoire TechNE, ambassadeur de l'enseignement hybride de la faculté des Sciences de l'université de Poitiers et membre du projet de la fondation MAIF "Digital Practices Awareness" en vue de la création d'une application pour la perception et la prédiction de pratiques numériques juvéniles et du groupe de travail sur le Learning Analytics et il est responsable enseignement des Outils des Compétences Transversales Numériques

Il est aussi webmaster et administrateur de plusieurs systèmes de gestion de contenu et de plateformes e-learning. Il collabore avec plusieurs universités algériennes dans l'organisation des manifestations scientifiques, l'enseignement en post-graduation et la participation à des projets de recherche. Il est le fondateur et le principal animateur du Réseau ALSCINET des Scientifiques Algériens.

Moderator Name and affiliation: Bedja Idriss, King Saud University, Saudi Arabia

Course Title 5: Nanosciences & Nanotechnologies: Size & Shape effects & fundamentals

Instructor Name; Instructor Affiliation: Maaza Malik, UNESCO UNISA ITL/NRF Africa Chair in Nanosciences & Nanotechnology, South Africa

Field/ Specialty: Nanotechnology

Course Date: 20th Mai 2023

Course Time: 6:00 PM

Instructor Biography + Photo:

Prof. M. Maaza is a native of North Africa, holds a PhD from the University of Paris-VI, is the current incumbent, in South Africa, of the UNESCO UNISA-ITLABS-NRF Africa Chair in Nanosciences. He is a joint staff of the University of South Africa and the National Research Foundation of South Africa. He is a fellow of various Academies, including the African Academy of Science, the European Academy of Arts & Sciences as well as the National Academy of Science of India, the Islamic Academy of Sciences & the Royal Society of Chemistry-London. Prof. M. Maaza has been bestowed several awards & accolade among which; the African Union Nkwame Nkrumah award for Excellence in Science & Technology & the Galileo-Galilei award by the International Commission for Optics (ICO).



Moderator Name and affiliation: Chenaf Djaouida, Royal military college of Canada, Canada.

Course Title 6: Data Protection: an Essential Pillar in a Cybersecurity Program

Instructor Name; Instructor Affiliation: Cherfaoui Mourad, AWS amazon, USA.

Field/ Specialty: Cybersecurity

Course Date: 27th Mai 2023

Course Time: 6:00 PM

Instructor Biography + Photo:

Dr. Mourad Cherfaoui's experience spans 25+ years in computer science. He has worked in hi-tech companies in Canada and USA. He currently focuses on cloud and security. At Amazon Web Services (AWS), he helps AWS customers deploy secure solutions that comply with the highest cybersecurity standards. Dr. Mourad Cherfaoui has a PhD and a Masters degree (DEA) in computer science from the university of Rennes, France and a computer science engineer degree from USTHB, Algeria. He has taught cloud and security classes as an adjunct university professor.



Moderator Name and affiliation: Harous Saad, College of Computing and Informatics, University of Sharjah. United Arab Emirates

Course Title 7: Les accélérateurs de particules au service d'une science pluridisciplinaire

Instructor Name; Instructor Affiliation: Nadji Amor, Synchrotron SOLEIL (CNRS, CEA)

Field/ Specialty: Technologies

Course Date: 3rd June 2023

Course Time: 6:00 PM

Instructor Biography + Photo:



Depuis 2016 Directeur Accélérateurs et Ingénierie (Gif-sur-Yvette, France)

2011 – 2016 Directeur Sources et Accélérateurs (Gif-sur-Yvette, France)

2007 – 2011 Directeur Technique du projet SESAME (Amman, Jordanie)

2002 – 2007 Responsable Physique des Accélérateurs (Gif-sur-Yvette, France)

2000 – 2002 Responsable du département des Anneaux à LURE (Orsay, France)

1990 – 2000 Physicien des Accélérateurs au CNRS (Orsay, France)

- *Conception, construction et opération des Accélérateurs de particules (SOLEIL, SESAME).*
- *Management de personnel (180 personnes).*
- *Management de budget (80 M€).*
- *Collaborations avec plusieurs accélérateurs internationaux :*
 - *(ALBA (Espagne), ALS (USA), ANKA(Allemagne), APS (USA), BESSYII (Allemagne), ELETTRA (Italie), ESRF (Grenoble), LHC (Suisse), NSLSII (USA), NSRRC (Taïwan), PAL (Corée du Sud), SESAME (Jordanie), Sirius (Brésil), SLS (Suisse), SPring-8 (Japon), SSRF (Shanghai, Chine)).*

Moderator Name and affiliation: Betteyeb Maamar, University of Sharjah, United Arab Emirates

Course Title 8: Exploitation des gisements de petrole et de gaz de schiste

Instructor Name; Instructor Affiliation: Guehria Fawzi, GFeX Oil 7 Gas Experts, USA

Field/ Specialty: Technologies

Course Date: 10th June 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

Fawzi has about 40 years of combined experience in major oil companies and a major oilfield service company. After spending a long time in research environment, he moved to asset management, field planning and operations in field offices major oil companies in various countries. Strong with his insights into reservoir management, he managed numerous field management projects in order to successfully optimize assets by developing practical solutions, which are implemented via advanced technologies at hand. He then founded a company GFeX Oil & Gas Experts, LLC, which develops solutions, technologies and platforms for the digital age that uses real-time data from the reservoir, the wells and surface network to smartly manage the field production in day-to-day operations and long-term planning. He also teaches at a University in Texas and acts as an ad-hoc advisor to some oil companies. He holds a BS, MS and PhD in Mathematics and Petroleum Engineering (Reservoir Simulation/Pressure Transient Analysis). He is author of numerous papers and patents as well as he is a distinguished author at SPE (Society of Petroleum Engineering)

Moderator Name and affiliation: Belhocine Mohamed, MGB Lab Dubai, United Arab Emirates

Course Title 9: Nanosciences & Nanotechnologies: Potential technology applications

Instructor Name; Instructor Affiliation: Maaza Malik, UNESCO UNISA ITL/NRF Africa Chair in Nanosciences & Nanotechnology

Field/ Specialty: Nanotechnologies

Course Date: 17th Mai 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

Prof. M. Maaza is a native of North Africa, holds a PhD from the University of Paris-VI, is the current incumbent, in South Africa, of the UNESCO UNISA-ITLABS-NRF Africa Chair in Nanosciences. He is a joint staff of the University of South Africa and the National Research Foundation of South Africa. He is a fellow of various Academies, including the African Academy of Science, the European Academy of Arts & Sciences as well as the National Academy of Science of

India, the Islamic Academy of Sciences & the Royal Society of Chemistry-London. Prof. M. Maaza has been bestowed several awards & accolade among which; the African Union Nkwame Nkrumah award for Excellence in Science & Technology & the Galileo-Galilei award by the International Commission for Optics (ICO).

Moderator Name and affiliation: Nait Mohamed Faez Amokrane, Ragon Institute of MGH, MIT and Harvard, USA

Course Title 10: Strategy & Tactics for Optimal IT Project/Program

Instructor Name; Instructor Affiliation: Bougrab Amar Ben Ali, ex-University of Phoenix, southern California, USA

Field/ Specialty: IT

Course Date: 24th Mai 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

Amar is a seasoned professional with extensive experience and expertise (over 19 years) in the field of Information Technology (IT) strategic sourcing, IT Supplier Relationship Management (SRM), and IT Indirect Procurement serving Banking & Financial Services (BKFS), Energy & Utilities, Healthcare/Bio-Pharmaceutical, and other industries. Amar has over 15 years in Business Development and Marketing with affiliations at major industry leaders in B2B and B2C Information Services such as Dun & Bradstreet Corporation (DNB), Experian, and TransUnion. In that capacity, he developed and executed Market Segment strategies and high-caliber Business Development programs. On a separate, but parallel path, Amar is a certified and highly competent University facilitator and lecturer – serving over 14 years with University of Phoenix (UOP), southern California. He delivered “graduate” and “undergraduate” level courses to professional working adults. This included: Management, Marketing, Public Relations, and International Business. Amar was consistently voted by his students and other Faculty, as the most polished, most congenial and well-rounded instructor in UOP’s End-of-Course (EOC) Surveys.

Moderator Name and affiliation: Bounkhel Messaoud, King Saud University, Saudi Arabia

Course Title 11: Nanosciences & Nanotechnologies: Entrepreneurships & SDGs

Instructor Name; Instructor Affiliation: Maaza Malik, UNESCO UNISA ITL/NRF Africa Chair in Nanosciences & Nanotechnology

Field/ Specialty: Nanotechnology

Course Date: 1st July 2023

Course Time: 6:00 PM



Instructor Biography + Photo:

Prof. M. Maaza is a native of North Africa, holds a PhD from the University of Paris-VI, is the current incumbent, in South Africa, of the UNESCO UNISA-ITLABS-NRF Africa Chair in Nanosciences. He is a joint staff of the University of South Africa and the National Research Foundation of South Africa. He is a fellow of various Academies, including the African Academy of Science, the European Academy of Arts & Sciences as well as the National Academy of Science of India, the Islamic Academy of Sciences & the Royal Society of Chemistry-London. Prof. M. Maaza has been bestowed several awards & accolade among which; the African Union Nkwame Nkrumah award for Excellence in Science & Technology & the Galileo-Galilei award by the International Commission for Optics (ICO).

Moderator Name and affiliation: Dermine Said, National Center for Cancer care and Research, Qatar
