

**1stInternational Workshop on Nanosciences
& Nanotechnology
27-29 June 2022**

Monotel Hotel Dar Ea Barka, Nouakchott, Mauritania

IWNN 2022 Program

Lundi 27/06/2022		
08h30 - 09h00	Inscription des participants	
09h00 - 09h30	Ouverture officielle	
09h30 - 10h00	Pause café	
10h00 - 10h40	Conférenceplénière 1: <u>Mohamed Henini</u> <i>School of Physics and Astronomy, University of Nottingham, Nottingham NG7 2RD, UK</i> mohamed.henini@nottingham.ac.uk Development of Advanced Semiconductor Materials and Devices For Next Generation Photovoltaics: Opportunities And Challenges	<i>Président :</i> Mohamed Vadel Deida
10h40 - 11h20	Conférenceplénière 2: <u>Aliou Hamady BARRY</u> <i>Chemistry department, Faculty of Sciences and Technics, Nouakchott ALAsriya University</i> barryaliouhamady@ymail.com Nanostructured Cobalt : Elaboration, Microstructural characterizations and physical properties	<i>Président :</i> Guillaume Viau
11h20 - 11h40	CO 1:Khalidou Ba <i>FST, UNA; Nouakchott, Mauritanie</i> Preparation and characterization of phosphate-nickel-titanium composite coatings obtained by sol-gel process for corrosion protection	
11h40 - 12h00	CO 2: Khaled Ebeid <i>FST, UNA; Nouakchott, Mauritanie</i> Preparation of phosphine oxide-capped ME nanoparticles (M = Cd, Hg ou Zn ; E = S ou Se) from the complexes [MCl₂(Pyrr₃PE)₂] as single source precursors	
12h00 - 12h40	Conférenceplénière 3: <u>Lassaad EL MIR</u> <i>Laboratory of Physics of Materials and Nanomaterials Applied at Environment (LaPhyMNE), Gabès University, 6072 Faculty of Sciences in Gabes, Gabès, Tunisia.</i> lassaad.elmir@fsg.rnu.tn Nanomaterials and nanocomposites for advanced technological applications	<i>Président</i> Mohamed Abdellah Lemine Kerim
12h40 - 14h40	Déjeuner	

Lundi 27/06/2022		
14h40 - 15h20	Conférence plénière 4: <u>Guillaume Viau</u> <i>Laboratoire de Physique et Chimie des Nano-Objets, Université de Toulouse, INSA, 135 av de Rangueil 31077 Toulouse Cedex 4</i> gviau@insa-toulouse.fr Nucleation, growth and integration of metal nanorods and nanowires	<i>Président :</i> Chamekh M'Bareck
15h20 - 15h40	CO 3: Issa El-Heda <i>Physics Department, Faculty of Sciences of Sfax, University of Sfax, Sfax, Tunisia</i> Study of the structural properties and conduction mechanisms of chromite spinel $\text{Co}_{0.5}\text{Fe}_{2.5}\text{O}_4$	
15h40 - 16h00	CO 4: Aichata Kane <i>FST, UNA; Nouakchott, Mauritanie</i> One-Step Synthesis of Graphene, Copper and Zinc Oxide Graphene Hybrids via Arc Discharge	
16h00-16h30	Pause café	
16h30 - 17h10	Conférence plénière 5: <u>Yareb Ahmed</u> <i>Physic department, Faculty of Sciences and Technics, Nouakchott AlAsriya University</i> Les nanotechnologies dans le domaine de l'électronique	<i>Président :</i> Mohamed Henini

Mardi 28 Juin 2022		
09h00 - 09h40	Conférenceplénière 6: <u>TeyebOuld Ely</u> <i>Chemical Engineering Department, University of California, Santa Barbara, USA</i> Scaling-up Nanomaterials for Energy Storage Applications	<i>Président :</i> Ahmed El Mouna
09h40 - 10h00	CO 5: Mohamed Ould Salem <i>Institut de Recerca en Energia de Catalunya (IREC), Barcelona, Spain</i> Advanced strategies for high efficiency Ga-rich Cu(In,Ga)Se₂ Solar Cells onto transparent substrates	
10h00 - 10h20	CO 6: Ahmed OuldSaleck <i>FST, University of Nouakchott Al Aasriya, Mauritania</i> Synthèse par voie hydrothermale, sol-gel et par diffusion à l'état solide	
10h20 - 11h00	Pause café	
11h00 - 11h40	Conférenceplénière 7: <u>AhmadouWagué</u> <i>President of African Physical Society National Academy of Sciences and Techniques of Senegal, University Cheikh Anta Diop, Dakar-Senegal</i> Ahmadou.wague@ucad.edu.sn Laser Led and Optical Spectroscopic instrumentations: Contribution for The Development of Optical Sciences and Applications in Africa	<i>Président :</i> Taybe Mohammed Mahmoud
11h40 - 12h20	Conférenceplénière 8: <u>M. A. Sanhoury</u> <i>Materials Chemistry Research Uni, Chemistry Departmenet, Faculty of Sciences and Techniques, University of Nouakchott Al Aasiya, Nouakchott, Mauritania</i> Preparation of metal chalcogenide nanoparticles with different capping agents and their use in hybrid organic-inorganic solar cells	<i>Président :</i> Teyeb Ould Ely
12h20 - 12h40	CO 7: Mohamed Cheik <i>Faculty of Sciences Semlalia, Cadi Ayyad, University, Marrakech, Morocco</i> Optical and Structural Properties of RF-sputtered ZnS:Ni thin films	
12h40 - 13h00	CO 8: Mané Seck <i>Département de physique appliquée, UFR de sciences appliquées et de technologies, Université Gaston, Berger Saint-Louis, Sénégal</i> Low voltage organic transistors using almond gum-a natural, biodegradable and biocompatible polymer dielectric	
13h00 - 14h40	Pause déjeuner	

Mardi 28 Juin 2022		
14h40 - 15h20	Conférence plénière 9: Mohamed Abdellah LemineKerim <i>Magnetic Nanoparticles Research Group, Physics department, College Of Sciences Imam Mohammad Ibn Saud Islamic University (IMISU), Saudi Arabia</i> Magnetic Nanoparticles For Hyperthermia Cancer Treatment	<i>Président</i> Mohamed Said Mohamed Sidya
15h20 - 15h40	CO 9: Ely Cheikh S'Id <i>FST, University of Nouakchott Al-Aasriya, Mauritania.</i> Kinetic adsorption of methylene blue using synthesized polymeric membranes	
15h40 - 16h20	CO 10: FatimetouWelatta <i>Faculty of Sciences Semlalia, Cadi Ayyad, University, Marrakech, Morocco</i> Fabrication of Cu₂SnS₃ thin films by Sol Gel for solar cells	
16h20 - 16h50	Pause café	
16h50 - 17h30	Conférence plénière 10: Yaghoub Soumaré <i>Chemistry department, Faculty of Sciences and Technics, Nouakchott AlAsriya University</i> Le Procédé Polyol : Une Technique De Synthèse Simple De Nanoparticules Magnétiques Anisotropes A Fort Potentiel	<i>Président</i> Lassaad EL MIR
20h00	Diner gala	

Mercredi 28/6/2022		
	Tutorials	
08h30 - 10h30	Commun Session (Salle des Conférences)	
	Electric Properties of Semiconductors Nanostructures. Mohamed Hanini <i>School of Physics and Astronomy, University of Nottingham, Nottingham NG7 2RD, UK</i>	
10h30 - 11h00	Pause café	
11h00 - 13h00	Parallel Sessions	
	Chemistry & Biology (Lecture Theatre A)	Physics (Lecture Theater B)
	Nanoscale Materials: Advanced Synthesis and Manufacturing Techniques Teyeb Ould Ely <i>Chemical Engineering Department, University of California, Santa Barbara, USA, CA 93106-5080, USA</i>	Structural Characterization of Nanomaterials Mohamed AbdellahiKerim <i>Physics Department, Imam Mohammad Ibn Saud Islamic University, Riyadh, KSA</i>
	Metal Chalcogenide Nanoparticle Synthesis Med Abderrahmane Sanhoury <i>Chemistry Department, Faculty of Sciences and Techniques, UNA, Nouakchott, Mauritania</i>	Optical Properties of Nanomaterials Lassaad EL MIR <i>Laboratory of Physics of Materials and Nanomaterials Applied at Environment, Gabes University, Gabes, Tunisia.</i>
13h00	Clôture	