2 NATIONAL PHD STUDENTS DAYS
2ND EDITION NPSD 2019

DECEMBER 12-15, 2019 OUARZAZATE, MOROCCO

VISIT TO NOOR SOLAR COMPLEX OUARZAZATE

Theme: Research and Training

**The Laboratory of Engineering Sciences and Energies (Lab.SIE)
Association of Knowledge, Research and Innovation Technologies (A.K.R.I.T)**
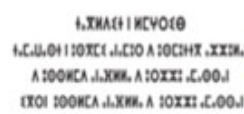
NPSD 2019 Presentation

The Laboratory of Engineering Sciences and Energies (Lab.SIE), Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, the Association of of Knowledge, Research and Innovation Technologies (A.K.R.I.T) and CED Ibn Zohr University. Organize The Second edition of National PhD Students Days, at The Polydisciplinary Faculty of Ouarzazate.

Besides the panels during which PhD students will be able to introduce their papers which will be discussed by a senior researchers and another PhD students. It will also be open to Master's and engineering students to discover more about scientific researches. The accepted demonstrations will be presented and will appear in the proceedings of the Network PhD Students Days. The organizing committee invites the PhD Students, Professors and industrial from All Countries to participate to the **NPSD'2019**.

The primary goal of the conference is to promote research and developmental activities in Multidisciplinary topics such as Engineering & Technology, Mathematics, Management, Medical Sciences, Medicine, Social Science, Education, Agriculture, Geography, Advertising, Accounting & Finance, Signal and image processing, Business Research, Chemistry, Commerce, Computer Application, Consumer Behavior & Relationship Management, Corporate Governance, Earth Sciences, Economics, E-commerce,Bioinformatics, Bio-Medicine, Biotechnology, Geology, Entrepreneurship, Advanced Computing, Communication and Information Technology. Another goal is to promote scientific information interchange between researchers, developers, engineers, students, and practitioners working in and around the world.

We sincerely hope that **NPSD 2019** serves as an international platform for meeting researchers from around the world, widen professional contact and create new opportunities, to establish Business or research relations between Scientists and Engineers for future Collaboration.

NPSD 2019 Partners and Sponsors

The Laboratory of Engineering Sciences and Energies (Lab.SIE)
Association of Knowledge, Research and Innovation Technologies
(A.K.R.I.T)

In Collaboration with

Moroccan Association for Research and Ethics – MARE

NPSD 2019 Committee

General Conference Chair

Salah-ddine KRIT, Professor, FPO, Ibn Zohr University, Agadir

Conference Chairs

- *Valentina E. Balas, AurelVlaicu, University of Arad, Romania, IEEE Member*
- *Mohamed Elhoseny, Assistant Professor, Mansoura University, Egypt and University of North Texas, USA*
- *Idrissi Azami Hafida, FSA, Ibn Zohr University, Morocco*
- *Salah-ddine KRIT, Professor, FPO, Ibn Zohr University, Agadir*

Honorary Chairs:

Mr. Aziz Rabbah
Minister of Energy, Mining and Environment.

Pr. Omar HALLI
President of Ibn Zohr University, Agadir

Pr. Lahcen El Maimouni
Dean of FPO, Ibn Zohr University

Pr. Hassane Nachit
Dean of FSA, Ibn Zohr Agadir.

Pr. Mohamed Wakrim
Director of ENSA, Ibn Zohr University Agadir.

Pr. Abdellatif Laknifi
Dean of FPT, Ibn Zohr University.

NPSD 2019 Committee

Honorary Chairs:

Pr. Abdelhamid EL MOUSADI
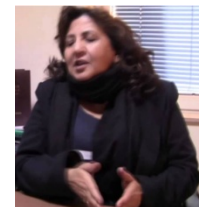   *Vice President, Ibn Zohr University, Agadir*

Pr. Abdelaziz Bendou
    Vice President, Ibn Zohr University, Agadir.

Pr. Fathallah Ghadi
    Vice president, Ibn Zohr University, Agadir.

Pr. Lalla Amina Hassani IDRISSI
  Director of CED, Agadir, Morocco

Pr. Mohamed ElMohajir
    Chair of IEEE, Morocco Section.

Pr. Mohamed ESSAAIDI
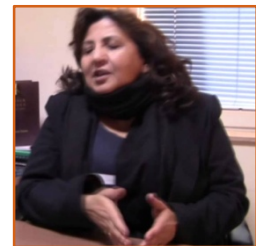   *Director of ENSIAS, Rabat*

Keynote Speakers

Dr. Lahcen El Maimouni: Dean of Polydisciplinary Faculty of Ouarzazate.

Dr. Lalla Amina Idrissi: Director of CED – Ibn Zohr University, Agadir.

Dr. Nadia El Kadmiri: Professor at Polydisciplinary Faculty Taroudant. Associate member at the Laboratory of Genetics and Molecular Pathologies, Faculty of Medicine and Pharmacy -Casablanca. Nadia does research in Molecular Biology, Neuroscience and Genetics. Her current project is 'Biomarkers for Alzheimer's disease. Nadia ElKadmiri is the President of Moroccan Association for Research and Ethics (MARE). Fellowship responsible conduct research at San Diego California University.

Dr. Rachid Boutti: holds an MASTER from the Rennes Institute of Management, France. With the sponsorship of Credit lyonnais Bank, he received a Ph.D. in Finance and Quantitative Analysis from the Institute School of Management, Rennes I University, France. He is an associate member at the Commerce Chamber in Agadir. Presently he is Professor and researcher in Finance, Auditing and Management of Business School and Engineering School in Morocco. Professor BOUTTI is President of the Moroccan Management Accounting Association (2M2A), of which he is acting President for many years.

Dr. Mohamed Benaddy: Associate Professor at Polydisciplinary Faculty of Ouarzazate. Head of Department of Mathematics informatics and management

Dr. Mohammed Saghir: Doctor Ph.D-Renewable Energies (Expert in Biomass)

Dr. Lahoucine EL MAIMOUNI: received in 2005, the Ph.D. degree in electronics from Institute of Electronics, Microelectronics and Nanotechnology (IEMN) University of Valenciennes, Valenciennes, France. In 2006, he joined the Polydisciplinary Faculty of Ouarzazate, Ibn Zohr University, Morocco. At present, his research activities are focused on acoustic wave propagation in piezoelectric structures, BAW resonators, piezoelectric sensor, acoustic wave resonators and filters for RF-MEMS, and audiovisual techniques for image and sound.

Dr. Jalal Laassiri: received a Ph.D. in Computer Science, Area "Software Engineering Specification and Verification Systems" from the Mohammed V University, Faculty of sciences Rabat in 28 June 2010. He received a HDR Thesis title: «Specification and Refinement of Computer Systems Architectures "in November 2014 from the IbnTofail University, Faculty of sciences Kenitra . He is an Associate Professor at IbnTofail University, Faculty of sciences,

NPSD 2019 Committee

Program Committee Chairs:
- *Idrissi Azami Hafida, FSA, Ibn Zohr University, Morocco*
- *Nadia El Kadmiri, FPT, Ibn Zohr University, Morocco*
- *Fatima Ezzahra Arrakhiz, FSA, Ibn Zohr University, Morocco*
- *Othmane El Meslouhi, Ibn Zohr University, Morocco*
- *Salah-ddine Krit, Ibn Zohr University, Morocco,*
- *Jalal Laassiri, Ibn Tofail University, Morocco*
- *Mohamed Benaddy, Ibn Zohr University, Morocco*
- *Khalid Benmoussa, FSA, Ibn Zohr University, Morocco*

Organizing Committee:
- Idrissi Azami Hafida, Ibn Zohr University, Morocco
- Mohamed Elhoseny, Mansoura University, Egypt
- Rachid Latif, Ibn Zohr University, Morocco
- Mohamed Benaddy, Ibn Zohr university, morocco
- Dr. Noura Metawa, Regis University, Usa
- Nadia El Kadmiri, FPT, *Ibn Zohr University, Morocco*
- Kardouchi Mustapha, University Of Moncton, Canada
- Elmahdi Driouch University Of Moncton, Canada
- Bibhu Prasad Mohanty, Utkal University Odisha, India
- Ali Ou-yassine, Ibn Zohr University, Morocco
- Othmane El Meslouhi, Ibn Zohr University, Morocco
- Mourad El Ouali, Ibn Zohr University, Morocco
- Brahim Elhabil, Ibn Zohr University, Morocco
- Abdelhakim Nafidi, Ibn Zohr university, Morocco
- Youssef BelKassmi, Ibn Zohr University, Morocco
- Jilali Antari, Ibn Zohr University, Morocco
- Ahemd Saba, Ibn Zohr University, Morocco
- Fatima Ezzaha Arrakhiz, Ibn Zohr University, Morocco
- Jalal Laassiri, Ibn Tofail University, Morocco
- Imane Dbibih, Ibn Zohr University, Morocco
- Hermas Jamila, Ibn Zohr University, Morocco
- Salma Gaou, Ibn Zohr University, Morocco
- Abdessamad Malaoui, Sultan My Slimane University, BéniMellal, Morocco
- Youssef Es-Saady, Ibn Zohr University, Morocco
- Adil El Amri, Chouaiab Doukkali University, El Jadida, Morocco
- Khalid Benmoussa, Ibn Zohr University, Morocco
- Najib Saber, Chouaiab Doukkali University, El Jadida, Morocco
- Rachid Hilal, Chouaib Doukkali University, Morocco
- Adnane Azzouzi, Ibn Zohr University, Agadir, Morocco

- Mustapha Machkour, Ibn Zohr University, Morocco
- Salah-ddineKrit, University Ibn Zohr, Morocco
- Adil HAMINE Ibn Zohr University, Morocco
- Driss IZBAIM Ibn Zohr University, Morocco
- El Houssaine Ouacha, Ibn Zohr University, Morocco
- Khaoula Karimi, FPO, Ibn Zohr University, Morocco
- Y. Bemmourou, FPO, Ibn Zohr University, Morocco
- A. Boukdir, FPO, Ibn Zohr University, Morocco
- N. Saba, FPO, Ibn Zohr University, Morocco
- S. Hayani, FPO, Ibn Zohr University, Morocco
- I. Labbihi, FPO, Ibn Zohr University, Morocco
- M. EL Azzaouy, FPO, Ibn Zohr University, Morocco
- F. Chabli, FPO, Ibn Zohr University, Morocco
- K. El Moutaouakil, FPO, Ibn Zohr University, Morocco
- Y. El Filali, FPO, Ibn Zohr University, Morocco

Program Overview

Thursday, December 12, 2019		
08:00	09:00	Registration
09:00	09:45	Welcome and Opening Ceremony
09:45	10:15	**Workshop 1 : Pr. Lahcen El Maimouni** Topic: Research protocol and plan for writing a thesis
10:15	10:45	**Invited Speaker :Dr. Mohammed Saghir**
10:45	11:15	Coffee Break
11:15	12:00	**Workshop 2 : Dr. Rachid Boutti** Topic: Bibliographic Management
12:00	12:45	**Workshop 3 :Pr. Nadia El Kadmiri** Topic: Tools and Methods for writing Scientific Publications
13:00	14:30	Lunch
15:00		Visit To NOOR Solar Complex - Ouarzazate

Friday, December 13, 2019						
09:00	09:30	Registration				
09:30	10:10	**Workshop 4 : Dr. Jalal Laassiri** Topic: Specification in Distributed Systems AND ERP system				
10:10	10:50	**Workshop 5 : Dr. Mohamed Benaddy** Topic: Indexing and Impact Factor				
10:50	11:30	**Workshop 6 : Pr. Lahoucine El Maimouni** Topic: Research Methodology				
11:30	12:30	Lunch				
14:30	16:30	**Session 1** Chairs: Dr. N. ElKadmiri Dr. Y. Belkassmi	**Session 2** Chairs: Dr. J. Laassiri Dr. A. Jilali	**Session 3** Chairs: Dr. H.Chaib Dr. H.Zgou	**Session 4** Chairs: Dr. S. Regragui Dr. A. Khettouch	
16:30	16:45	Coffee Break				
16:45	18:30	**Session 5** Chairs: Dr. I.Boutayamou Dr. S. El Hanaoui	**Session 6** Chairs: Dr. N. ElKadmiri	**Session 7** Chairs: Dr.L. El Maimouni Dr. M.Benaddy	**Session 8** Chairs: Dr. A. Jilali	

Detailed Program

Friday, December 13, 2019		
Session 1 (14:30 -16:30) : Environment/Biology/Agriculture		
Chairs: Dr. Nadia El Kadmiri –Dr. Youssef Belkassmi		
Authors	ID	Title
Amal Kabbour, Latifa Mouhir, Laila Saafadi, Mustapha El Hafidi	025	Phytoremediation of domestic wastewater using Vetiveria Zizanioides
Abderrahim Bendaoud, Latifa Mouhir, Abdelmjid Zouahri	026	Impact of compost quality on the fertility of agricultural soils: comparative study between 24h compost and classical compost in HAD MZOURA – SETTAT - MOROCCO
Wafaa Mokhtari, Mohamed Achouri, Nourredine Chtaina, Abdellah Remah, Hassan Boubaker	033	Integrated biocontrol approach of Trichodermaspp against Fusariumsolani combining drought and infection stresses in green beans.
Mansour BADAMASSI Mamane Barkawi, El-Aboudi Ahmed, Gbetkom Paul Gerard	036	A new agricultural drought index to better detect and monitor millet crop by remote sensing in west Africa : case of Niger
Paul Gérard GBETKOM , Sébastien GADAL, Ahmed El ABOUDI, Alfred Homère NGANDAM	040	MAPPING OF BUILT UP AREAS IN THE CAMEROONIANS SHORES OF LAKE CHAD AND ITS HINTERLAND THROUGH BASED OBJECT CLASSIFICATION OF SENTINEL 2 DATA.
M.ElAalaoui, R.Bouharroud, M.Sbaghi, M.ElBouhssini L.Hilali	050	Functional response and predation potential of Hyperaspiscompestris(HERBST 1783) (COLEOPTERA: COCCINELLIDAE) ON THE PRICKLY PEAR CACTI PEST DACTYLOPIUS OPUNTIAE (HEMIPTERA: DACTYLOPIIDAE) IN MOROCCO
H. BOURAS , B. BOUAZZAMA , A. HIRICH , R. CHOUKR-ALLAH , A. BOUAZIZ	058	Response of Sugar Beet (Beta vulgaris L.) to phosphorus application under irrigation with saline water.
Mustapha EL HAFIDI, Latifa MOUHIR, Mohamed Laaouan, LailaSaafadi, Amal KABBOUR	067	Effect of flow rate on purification performances of vertical flow constructed wetlands planted by Papyrus Cyperus
Z.SOBHY, M.KRIM , J. INCHAOUH, I.GHAZI, M.TANTAOUI, S. OUASKIT , H.CHAKIR	077	Contribution to the Modelling of the Irradiation of the Biological Medium by Protons
Farah Abdelouhed, Ahmed Algouti, AbdellahAlgouti, FatihaHadach	112	SEDIMENTOLOGIE, LITHOSTRATIGRAPHIE DU SENONIEN DU VERSANT SUD DU HAUT ATLAS CENTRO-ORIENTAL (TINGHIR, MAROC)
Z. Omar, E.Mohamed, R. Abderrazak, I.Jamal, N. Laila	039	The effect of interaction between Bituminariabituminosa and Atriplexnummularia in combination.

Session 2 (14:30 -16:30) : Computer Sciences / Networks/ AI		
Chairs: Dr. Jalal Laassiri – Dr. Antari Jilali		
Authors	ID	Title
Nisrine MACHRAFI, Jalal LAASSIRI	031	A survey: Internet of Things (IOT) Architectures, protocols and frameworks, applications and challenges in Healthcare
Rihane Dkaich, Ikram El Azami, Abdelaziz Mouloudi	034	Attribute-Based Fragmentation of XML Data Warehouse
Mabrouk Elmehdi, Maach Abdelilah	063	A multi-objective unit commitment optimization with integrating electric vehicles as flexible loads
Ibtissam El Achkar, Mohamed Sillare, Hind Ouzif, YassirAadil, El houssine Labriji	066	An Egocentric Algorithms of Extractions of the Interests of the Users from the RSN
Abdelkader Benelhouri , Hafida Idrissi-Saba, Jilali Antari	079	Performance Analysis of LEACH, SEP and DEEC Routing Protocols in an Heteregeneous Wireless Sensor Network
Badr Machkour, Ahmed Abriane	098	The uses of connected objects and their influence on the customer experience
Hind Ziani, Nourrdine Enneya	014	Customer Experience: From Quality of Service to Quality of Experience
Yassine Larbaoui , Ahmed Naddami, Ahmed Fahli	048	Network Security and Topology of a Hybrid Platform of E-learning and Distance Experimenting
Abdelbasset Boukdir' Mohamed Benaddy, Othmane El Meslouhi	113	Movement recognition in the video: for a real-time system of Arab sign language translation
Lhoussayne Et-Taya, Ouslimane Touria, Benami Abdellah	116	Investigation of third-generation thin films solar cells based on earth abundant using SCAPS-1D
Youness Bemmourou , Mohammed Benaddy and Othmane Elmeslouhi	117	Automatic screening for diabetic retinopathy
O.Hassan, K. Salahddine, K. khaoula, E.Lahoucine	051	SECURE DATA FOR WIRELESS SENSOR NETWORK USING DETECTION MALCIOUS NODE METHOD
Sohil F. Alshareef, Abdelsalam M. Maatuk, Tawfig M. Abdelaziz, Mohammed Hagal	074	Validation Framework for Aspectual Requirements Engineering (ValFAR)
R.BENRREZZOUQ, B. HAFIANE	109	Impact de Lean Manufacturing sur le délai de fabrication
Fatima zahra SAHLI	110	A SYSTEMATIC REVIEW OF THE ETHICAL CONSIDERATIONS WHILE STUDYING THE TRUCK DRIVERS' BEHAVIOR.
Kaouthar Lamine, Lassaad Lakhal	018	Estimation of the Link between Six Sigma Generic Practices and Firm Performance
Mohammed Akazaf	013	The Impact of Philosophy and Mathematics on the Aesthetics of the Digital Architecture based on Parametric Design

Session 3 (14:30 -16:30) : Physics / Chemistry		
Chairs: Dr. Hassane Chaib– Dr. Hsaine Zgou		
Authors		Title
Abdellah Mrij, Abdelmajid EL Bakkali, Jaouad Foshi	028	Fabrication of Transparent and Flexible Semiconductor Junction and Analysis of its Electrical and Optical Properties
Naima ZAHAR, Driss BENCHEKROUN	041	Monte Carlo Geant4 Simulations of protons lateral deviation in liquid water
L. Elmahni, L. Bouhouch, A.Ihlal, B. Boukhris	046	Decentralized And Communicating Management Of A Hydrogen-Based Microgrid
E.BOULAOUAQ, M.Kourchi, A. Rachdy	054	An Integral Backstepping algorithm for a DFIG-Based Wind Turbine connected to the Undisturbed Utility Grid
M.Hajjaj, A.Bouaaddi, A. El Amrani, C.Messaoudi	108	"Numerical Simulation of Thermal Performances of a Solar PTC Receiver Using TRNSYS Software"
Radouane Bahloul, Salaheddine Sayouri	080	XRD, FTIR, RAMAN, EPR, optical absorption and photoluminescence studies of Fe-doped CdTiO 3 Nanopowder
E.Aitiaz, K.Assalaou, L.Elmahni	085	Implementation of a solar pumping test bench controlled by speed variator
M.Alla, M.L. El Hafyani, S. Zouggar a, E.K. Gharibi	093	Thermodynamics analysis of ORC for heat recovery from decomposition of phosphogypsum
Aboubakr Herouane, Thami Ait-Taleb, Mourad TahaJanan	053	Numerical simulation of natural ventilation of different configurations of room equipped with a solar chimney under climatic conditions of Ouarzazate city
Hind Lafridi, Hsaine Zgou, Mohammed Bouachrine	055	Molecular Modeling Studies on Molecular Properties of Flavonoids revisited by DFT method
Abdellah Mourak, Mohamed HAJJAJI, Abdelhakim ALAGUI	060	PREPARATION OF COMPOSITES CLAY modify - CHITOSANE, AND APPLICATION TO THE ADSORPTION OF A ANIONIC COLORANT
O.Touria, L. Et-Taya, Be.Abdellah	115	Numerical analysis of fourth generation solar cells based on perovskite using SCAPS-1D
K.AAMALI, M. SADIK, A.ALALI , Z.EL HARITI	086	Literary study of memory architectures for multiprocessor system on chips (MPSoC)
Janarthanan J	006	UTILIZATION OF BAGASSE ASH AS A BRICK MATERIAL
S.Phanphet, S.Bangphan	008	Parametric Optimization of some Affect Factors Using Response Surface Methodology (RSM) Part. I
Zainab TOUJAMI, Lahcen MADI, Aâtika EDDIF	102	Le portfolio ELECTRONIQUE en formation des étudiants infirmiers (Etude de Cas)
A.Nfissi, Y.Ababou, S.Sayouri, L.Mrharrab, F.Saadaoui, E. Ech-chamikh, T.Lamcharfi	111	Piezoelectric parameters and impedance analysis of sol gel processed Ce-doped BaTi 0.97 Y 0.03 O 3 ceramics
T.Mohammed, O.Aziz, B.Mounir, S.Rajaa, K. Mohammed	017	DOSE OPTIMIZATION IN SCREENING MAMMOGRAPHY, BY SIMULATION MONTE CARLO CODE GATE

Session 4 (14:30 -16:30) : Finance/Economy/Industry/ Education		
Chairs: Dr. Souad Regragui – Dr. Ahmed Khettouch		
Authors	ID	Title
Malak Bouhazzama, Said Mssassi	037	Diagnose the implementation of the tools of forward-looking management of jobs in the Moroccan ministry of finance and benchmark with the other departmental ministries
Nabila HAMDOUN, Khalid RGUIBI	062	Impact of AI and Machine Learning on Financial Industry : Application on Moroccan Credit Risk Scoring
Kamal OUSSOUADI, Kenza CHERKAOUI	106	Risk-Adjusted Credit Pricing: Application to the state's guarantee funds for Moroccan enterprises
Khalid ABOULOULA, Ali OU-YASSINE, Salah-ddine KRIT, Mohamed ELHOSENY	096	The Artificial Intelligence Based Methods of Financial Time Series for Trading Experts in a Relational Database to Generate Decisions
Amal Naji, Mohamed Oumami, Otmane Bouksour, Zitouni Beidouri	099	Maintenance management in Moroccan industries – Perspectives to develop an optimization model
Moulay Abdessadk El hamdani, Abdelaziz Bendou	100	Technology transfer analysis in industrial ecosystems: case of Souss- Massa processing industries
NADIR OUMAYMA and DAOUI DRISS	016	Is the Credit Derivatives Market a threat to Financial Stability?
Mohamed BOUAZIZ, Amine AZHARI	001	La Perception De La Contribution De L'audit Interne à l'amélioration de la performance : cas du mileu bancaire
Rim Bahloul	002	The ARDL approaches to the analysis of level relationship between inflation and exchange rates in Tunisia
Abdessamad EL Moutchou, Abderrazak Boumane, Hicham ROUIJAA	078	SELF-VALUATION TOOL OF MATURITY LEAN FOR MOROCCAN COMPANIES
KIRAMI Widad, HADDY Mohamed	101	L'innovation Territoriale : un enjeu majeur pour le développement économique d'un territoire :
Said BOUBIH, Anouar AIDOUN, Mustafa ALAOUI, Rachid JANATI IDRISSI, Driss RHOMARI	061	The Use of the Flipped Classroom in in the training of future teachers in SVT
Ebitisam K. Elberkawi, Mahmoud A. Ateeyah, Salwa M. Elakeili , Abdelsalam M. Maatuk	073	Issues and Challenges of Implementing E-learning in A Public University: Students'and Instructors' Perspective
El bousty Hicham, Krit Salah-ddine	088	Financial News Analysis for Moroccan Stock Trend Prediction
ECH-CHELFI Wiame, EL HAMMOUMI MOHAMMED	057	Modelling energy consumption of freight road with MLR

Session 5 (16:45 – 18:30): Environment/Agriculture		
Chairs : Dr. Idriss Boutaayamou– Dr. Essaadia El Hanaoui		
Authors	ID	Title
Muhammad Ramzan	003	Comparative biology of Trilochavarians(Walker, 1855)(Lepidoptera: Bombycidae), a new pest of ficusplant (L.) in Punjab, Pakistan
Jenitha Blessy	004	Dreams turn into Ashes: Analyzing the Dreadful event of Kilvenmani through the Lens of MeenaKandasamy.
Surapong Bangphan, Phiraphan Bangphan	009	Optimization of Factorial Design with Type of Plackett-Burman Design to Study the Effects of Organic Rice Production Process: First Step Experiment
Mehdi HASSOUNE, Ghita CHRAIBI , Hassan FATMAOUI, Jamal CHAOUFI	010	Stability of Quay Wall Made On Concrete Blocks with a Formulation Based On Dredging Sand
Ashraf Bashira	015	Legality of Cryptocurrency from an Islamic Perspective: a Systematic Literature Review
EN-NASIRY Mohamed	029	LAKE ISLI IS IT A METEORITE IMPACT CRATERS?
Abere, Omotayo Johncally, Mojekwu, Joseph Nnamdi	032	A REVIEW OF MORTALITY DIFFERENTIALS.
Sabrijawad	045	Le comportement alimentaire des footballeurs Professionnels Marocains : Référence aux apports énergétiques : Aspects qualitatifs et quantitatifs. Rapport avec les dépenses énergétiques en période de compétition
Oumaima LEHMER, Abderrazak EL ABBADI, Abdelkarim EZZAIDI	056	LES PAIEMENTS POUR SERVICES ENVIRONNEMENTAUX COMME OUTIL DE DEVELOPPEMENT TOURISTIQUE DURABLE DANS LA RESERVE DE LA BIOSPHERE DE L'ARGANERAIE
Intissar EL Morabit, Ahmed Fekri, SoufianeMaimouni	068	Cartographie du potentiel géothermique du nord oriental marocain à l'aide de la télédetection
Qessaoui R., Zanzan M., Amarraque A., Lahmyed H., Ajerrar A., Mokrini F Mimouni A., Mayad El H., Chebli B., Bouharroud R	071	Ecological application of Pseudomonas isolates as a biofungicide of postharvest green mold pathogen (Penicilliumdigitatum) of orange fruit
Abdelmounaim BOULHANNA, HammouAnarghou, HichamRahmi, Mohamed Najimi, FatihaChig	096	COMPORTEMENT SEDENTAIRE , ETAT NUTRITIONNEL ET PERCEPTION DE L'ETAT DE SANTE : CAS DES COLLEGIENS DANS LA REGION DE BENI MELLAL-KHENIFRA
H. BOURAS, B. BOUAZZAMA, R. CHOUKR-ALLAH, A. BOUAZIZ	104	Effet de la salinité des eaux et la fréquence d'irrigation sur le sol et les cultures de la betterave à sucre, le maïs et la niora.
Derias Fatma Zohra, Mekakia Mehdi Mokhtaria, LounisZoubida	105	Caractérisation quantitative et qualitative des résidus solides urbains à l'ouest algérien : impact de l'évolution de la population

Session 6 (16:45 – 18:30): Medecine/ Biology		
Chairs: Dr. Nadia El Kadmiri -		
Authors		Title
M.Alafifi, L.Mouhir, L.Saafadi, M.Fakhaoui, M.Khazraji	024	Heavy Metals in Dental Liquid Waste, Composition and Impact.
M. EL BOUHAIRI	030	Alveolar bone loss pattern in obese patients
M. FAROUK, M. HAMZA, C. RIFKI	049	Epidemiological profile of oral cavity cancer in the CasablancaSettat region
M.TANTAOUI, M. KRIM, I. GHAZI, Z. SOBHY, A.KARTOUNI, H.CHAKIR, A.EL MOUTAWAKKIL, S.SAHRAOUI	065	Dosimetric comparison of 3D conformal Radiotherapy (3D-CRT) and Volumetric Modulated Arc Therapy (VMAT®) in PROSTATE CANCER
Ismail GHAZI , Mustapha KRIM, Zineb SOBHY, Meriem TANTAOUI, Abdelkrim KARTOUNI, Hamid CHAKIR, Jamal INCHAOUH	076	Measurement and Evaluation of the Deposed Dose by a Beam of Photons in Radiotherapy into the Prostate Using the Monte Carlo Simulation Platform GEANT4
Yassir El ghzizal, Khaissidi Ghizlane, Mrabti Mostafa, Ammour Alae, Aouraghe Ibtissame	094	Automatic and early detection of Parkinson diseases based on on-line spiral analysis: modeling of a polar coordinates system
Aabdelhakim Alagui, Houssam Azria, Mohamed Hajjaji	072	Preparation of Chitosan and its modified derivatives and the study of their Antifungal and Antibacterial Properties
Azeddin El Barnossi, Fatimazahrae Moussaid, Abdel ilah Iraqi Housseini	097	Microbiological Study Of The Impact Of Green Household Waste On Spring Water
Dr.JandouIssam, Pr. Hassoune Samira, Pr.Dakir Mohammed, Pr. Debbagh Adil, Pr. Aboutaieb Rachid	103	Attitudes and Legislative, Medical and Religious Knowledge about the Moroccan Population on Organ Donation and Transplantation

Session 7 (16:45 – 18:30): Physics / Chemistry		
Chairs: Dr. Lahoucine El Maimouni - Dr. Mohamed Benaddy		
Authors		Title
Ismail Elaati Allah	022	DFT investigations on organic molecules based on thionothiophene for electronic devices
A.Kerdad, L.Mouhir, N.E.Abriak, A.Zakaria	027	Comportement mécanique des bétons à base de sédiment des retenues des barrages
M.HASSOUNE, G. CHRAIBI, H.FATMAOUI, J. CHAOUFI	035	Stability of Quay Wall Made On Concrete Blocks with a FormulationBased On Dredging Sand
Ali Nassiri, H. Idrissi-Saba, Abdelkader Boulezhar	038	Analysis of Ytterbium Doped Fiber Laser for Materials Processing and Practicle Image Velocimetry (PIV) Applications
A. Mekroud	043	MAGNETO-ELECTRIC BEHAVIOR OF A COUPLE PARAMAGNETIC / FERROMAGNETIC MATERIALS
R.Oubouaza, M. TRIDANE, H. MAROUANI, M. BELHABRA, S. BELAAOUAD	047	Crystallographic characterization, thermal behavior and vibrational study by IR and Raman spectroscopies Of a new cyclotriphosphateMnBa 2 (P 3 O 9) 2 .6H 2 O
H. Bouras, B. BOUAZZAMA, A. HIRICH, R. CHOUKR-ALLAH, A. BOUAZIZ	064	Response of corn silage (Zea mays L.) to phosphorus supply under irrigation with saline water
H. Bouras, B.BOUAZZAMA, R. CHOUKR-ALLAH, A.BOUAZIZ	070	Effect of Phosphorus-Salinity Interaction on the Growth and Productivity of a Tadla Cropping System: Experimental Approach and Modeling
M.A.Basmassi, S.Boudaakat, L. Benameur, O.Bouattane, A.Rebbani, J. A. CHENTOUFI	084	Hybrid Genetic Approach for solving Fuzzy Graph Coloring Problem
Hajar Bouazza, Antonio Lazaro, Mohsine Bouya, Abdelkader Hadjoudja	090	Design of Patch Antenna for UHF RFID Tags on Metallic Items
Meriyem Jebli, Mohamed Chagdali	091	Optimisation of an Oscillating Water Column Wave Energy Converter using CFD modelling
Abdellatif BERKAT, Noureddine BOUKLI HACENE, Zineb BERKAT	095	Design and Measurement of Miniature Antenna with Polarization Diversity for Several Applications
M.Ait Baih, N.Saffaj , R.Mamouni , H. Zidouh, N. El Baraka , andN. El Qacimi	119	Factorial Design Approach of the Elaboration of Dry Clay Ceramic Support Membrane

Session 8 (14:30 -16:30) : Computer Sciences / Networks/ AI		
Chairs: Dr. Antari Jilali -		
Authors	ID	Title
Meryeme Hadni, Mounir Gouiouez	020	GRAPH BASED TEXT REPRESENTATION FOR DOCUMENT CATEGORIZATION
Mounir Gouiouez, Meryeme Hadni	021	Automated Arabic Text Classification using Multi-Agent System
Nissrine Hassini Alaoui, Saida Belouali	042	Perception of Change and Ethical Issues in the Use of Information and Communication Technologies in the Health Sector : Results of an Online Survey
K.Ahkouk, M. Machkour	044	Text to Advanced SQL Queries
H.Amari, L.Khoukhi, L.BelguithHadrich	052	A Comprehensive Survey On TCP Congestion and incast Solutions in Data Center Networks
Maryem Larhmaid, Taibi Nour, Peter Afflerbach	059	Assessing the Effects of Digital Technologies on Learning Behavior and Reading Motivation among Moroccan EFL University Students
S.Kinkiri , B.Bakrat, S.Keates	082	Can we use Phonemes to Identify a Speaker?
Abdelmajid Tahiri, Ahmida Chikhaoui, Jalal Assermouh	089	QUALITY CRITERIA OF TUTORING DURING A DISTANCE LEARNING (DL)
Noura BAJJOUK	092	Blockchain: Security of IoT, Opportunities and Challenges
Yousra Berguiga, Jalal Laassiri, Sanae Hanaoui, Salah-ddineKrit	011	Mobile Agent Security based on Mutual Authentication and elliptic curve cryptography
Barhm Mohamad	012	Design and optimization of vehicle muffler using the Ffowcs Williams and Hawkings model
Abdelaziz Elbaghdadi, Soufiane Mezroui, Ahmed Eloualkadi	087	A Survey of Monero Security
M. El Asikri, S. Krit and H.Chaib	081	Exploiting web scraping in a Knowledge Wikis environment to build ontologies using Python and BeautifulSoup
Kabrane Mustapha, Khaoula Karimi, Salah-dine Krit, El maimouni Lahoucine	107	Regulation models of crossroad based on Wireless Sensor Networks and notions of the fluid mechanics