



2nd INTERNATIONAL CONFERENCE
for Physics and Applied Science

College of Education - Al Mustansiriyah University

Baghdad - Iraq 26-27 MAY 2021



برنامـج المـؤتمـر ... Inauguration Schedule

الـيـوم الـأـول: الـارـبعـاء، 26 أـيـار، 2021 / Wednesday, May 26, 2021

اـولـاـد: بـرـنـامـج الـافتـتاحـية.. Inauguration Program

تـضـمـن اـفـتـتاحـيـة المـؤـتمـر الدـولـي الثـانـي لـلـفـيـزـيـاء وـالـعـلـوـم التـطـبـيقـيـة وـالـمـنـعـقـد فـي رـحـاب الجـامـعـة المـسـتـنـصـرـيـة - كـلـيـة التـرـيـيـة.. مـحـاضـرـة عـلـمـيـة مـقـدـمة مـن قـبـل نـبـذـة مـن الـمـتـحـدـثـيـن مـن دـاخـل الـعـرـاق وـخـارـجـه وـبـوـاقـع ثـلـاث مـحـاضـرـات لـمـتـحـدـثـيـن وـجـسـبـ الـجـدـول الـزـمـنـي المـعـدـد لـكـل مـنـهـم، حـيـث تـعـرـض هـذـه الـمـحـاضـرـات بـصـورـة الـكـتـرـوـنـيـة لـتـعـذر حـضـورـهـم لـلـعـرـاق فـي الـوقـت الـراـهنـ.

Time	Details	التفاصيل	Sequence
10:00 Am - 10:05 Am	The Holy Quran	'قراءة آيات من القرآن الكريم'	Event 1
10:05 Am - 10:06 Am	Surat Al-Fatiyah (Holy Quran)	قراءة سورة الفاتحة	Event 2
10:06 Am - 10:10 Am	Playing National Anthem Songs of IRAQ	النشيد الوطني العراقي	Event 3
10:10 Am - 10:15 Am	Welcome Speech by Prof. Hamid Al-Tamimi, President of Mustansiriyah University	كلمة افتتاحية المؤتمر يلقيها السيد رئيس الجامعة المستنصرية أ.د. حامد التميمي	Event 4
10:15 Am - 10:20 Am	Welcome Speech by Prof. Dr. Isam Asal Hasan, Dean of College of Education, Mustansiriyah University	كلمة المؤتمر يلقيها السيد عميد كلية التربية في الجامعة المستنصرية	Event 5
10:20 Am - 10:25 Am	Welcome Speech by A. Prof. Dr. Alaa Hussien Shneishil Chair of Organizing Committee	كلمة السيد رئيس اللجنة التحضيرية للمؤتمر، أ.م.د علاء حسين شنيشل	Event 6
10:25 Am - 10:30 Am	Welcome Speech by Prof. Dr. Nadir Fadhel Habobi Chair of Scientific Committee	كلمة السيد رئيس اللجنة العلمية للمؤتمر، أ.د نادر فاضل حبوبى	Event 7

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ZOOM Meeting Links Information

Day	Session Name	Join Information	Time Duration
26 May 2021	Inauguration Session الجلسة الافتتاحية 9:00 AM – 12:00 AM (Iraq Standard Time)	Join Link: https://zoom.us/j/91917427596?pwd=b3V0V2Z3SzZBcDBsKzZRc3JPQjZ5UT09 Meeting ID: 919 1742 7596 Passcode: 753660	3 Hours
27 May 2021	Track 1: Physics and Applied Physics (Room 1) 1:00 PM – 4:00 PM (Iraq Standard Time)	Join Link: https://zoom.us/j/98955454685 Webinar ID: 989 5545 4685 Participant ID: 298833	3 Hours
27 May 2021	Track 2: Mathematics and Statistics (Room 2) 1:00 PM – 4:00 PM (Iraq Standard Time)	Join Link: https://zoom.us/j/99468937150 Webinar ID: 994 6893 7150 Participant ID: 389519	3 Hours
27 May 2021	Track 2: Mathematics and Statistics (Room 3) 1:00 PM – 4:00 PM (Iraq Standard Time)	Join Link: https://zoom.us/j/95594881935 Webinar ID: 955 9488 1935 Participant ID: 111157	3 Hours
27 May 2021	Track 3-4: Information Technology (Room 4) 1:00 PM – 4:30 PM (Iraq Standard Time)	Join Link: https://zoom.us/j/96019478273 Webinar ID: 960 1947 8273 Participant ID: 208871	4 Hours



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اللَّيْلَةُ الْأَوْلَى: الْأَرْبَعَاءُ، 26 أَيَّارٍ، 2021 / 26 May, 2021

KEYNOTE SPEAKERS SESSIONS ثانية: جلسات المتحدثين..

Meeting Information:

ZOOM Meeting URL: <https://zoom.us/j/91917427596?pwd=b3V0V2Z3SzZBcDBsKzZRc3JPQjZ5UT09>

Meeting ID: 919 1742 7596

Pass Code: 753660

Time	Session Title عنوان المحاضرة	Speaker Name اسم المتحدث	Speaker T.
10:30 Am - 10:45 Am	Physics and origin of life	Prof. Dr. Amjad Al Sawad <small>Space Research Laboratory/ Turku/Finland SOHO/ERNE Project a co-operative project between NASA and ESA Ministry of Science and Technology/Director for Research and Development, Iraq</small>	Speaker 1
10:45 Am - 11:00 Am	The Impact of the Ethics on the Digital Projects in crisis periods	Prof. Dr. Adriana Schiopou <small>University of Craiova, Romania</small>	Speaker 2
11:00 Am - 11:15 Am	Maturity Models for Healthcare Information Systems versus Telemedicine	Prof. Dr. Alvaro Rocha <small>University of Lisbon, Portugal</small>	Speaker 3
11:15 Am - 11:30 Am	The Development of Green Internet of Things	Prof. Dr. Zdzisław Polkowski <small>WSG University, Bydgoszcz, Poland</small>	Speaker 4
11:30 Am - 11:45 Am	Extracting and Summarization of Situational Information from Online Social Media during Disasters or epidemic	Prof. Dr. Soumi Dutta <small>Institute of Engineering & Management (IEM), India</small>	Speaker 5



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ال يوم الأول: الاربعاء، 26 أيار، 2021 / 2021 **Day 1: Wednesday, May 26, 2021 / 2021**

Conference Awards and Certificates .. ثالث: تكريم الضيوف والاعضاء ..

برع المؤتمر Conference Award

Time: 11:45 AM - 12:00 AM



T - ت	Name of Professor	.. الصفة .. Designation	Given By
-1	أ.د. حميد فاضل حسن التميمي Prof. Dr. Hamid Al-Tamimi	رئيس الجامعة المستنصرية President of Mustansiriyah University	أ.د. عصام عسل حسن Prof. Dr. Esam Asal Hasan
-2	أ.م.د مصطفى ضياء توفيق Asst. Prof. Dr. Mustafa Diyaa Tawfeeq	مساعد رئيس الجامعة العلمي University Scientific Chair	
-3	أ.م.د صفاء تقى عبد النور Asst. Prof. Dr. Safaa Taqi Adb Noor	مساعد رئيس الجامعة الإداري University Administration Chair	
-4	أ.د. عبد الباقى بدر ناصر Prof. Dr. Abdul Baqi Bader Nasir	عميد كلية الآداب - الجامعة المستنصرية Dean of College of Arts	أ.م.د مصطفى ضياء توفيق
-5	أ.د. محمد فرج شذر Prod. Dr. Mohammed Faraj Shather	عميد كلية العلوم - الجامعة المستنصرية Dean of College of Sciences	
-6	أ.م.د مالك جاسم فرحان Asst. Prof. Dr. Malik Jasim Farhan	عميد كلية الهندسة - الجامعة المستنصرية Dean of College of Engineering	
-7	أ.د. احمد وليد عبد الرحمن Prof. Dr. Ahmed Waleed A. Alrahman	عميد كلية التربية البدنية وعلوم الرياضة Dean of College of Sports Phy.	
-8	أ.د. عصام عسل حسن Prof. Dr. Esam Asal Hasan	عميد كلية التربية - الجامعة المستنصرية Dean of College of Engineering	



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شهادات المؤتمر

Time: 12:00 AM - 12:15 PM

القسم	Name of Professor	اسم الاستاذ	ت
الفيزياء	Prof. Dr. Nadir Fadhel Habobi	أ. د. نادر فاضل حبوبى	-1
الفيزياء	Prof. Dr. Haifaa Khazi Raheed	أ. د هيفاء غازى رشيد	-2
الفيزياء	Prof. Dr. Hassan Nori A. Wahab	أ.د. حسن نوري عبد الوهاب	-3
الفيزياء	Prof. Dr. Ahmed Farhan Atwan	أ.د. احمد فرحان عطوان	-4
الفيزياء	Prof. Dr. Nedhal Nissan Jando	أ. د. نضال نيسان جندو	-5
الفيزياء	Prof. Dr. Zeyad Mohammed Abed	أ. د. زياد محمد عبود	-6
الفيزياء	Prof. Dr. Mustafa Shakir Hashim	أ. د. مصطفى شاكر هاشم	-7
الفيزياء	Prof. Kudhair Abbas Mishjel	أ. خضرير عباس مشجل	-8
الفيزياء	A. Prof. Dr. Entesar Hato Hashim	أ. م. د. انتصار هاتو هاشم	-9
الفيزياء	A. PROF. DR. Ali Taher Mohi	أ.م.د. علي طاهر محى	-10
الفيزياء	A. Prof. Dr. Alaa Hussien Shneishil	أ. م. د. علاء حسين شنيشل	-11
الحاسوب	Prof. Dr. Khalid Ali Hussein	أ.د خالد علي حسين	-12
الحاسوب	A. Prof. Dr. Ali Shakir Mahmood	أ.م.د علي شاكر محمود	-13
الحاسوب	A. Prof. Dr. Anwar Abass Hatab	أ.م.د انوار عباس حطاب	-14
الحاسوب	A. Prof. Ameen Abdul Zahra	أ.م أمين عبد الزهرة نور	-15
الحاسوب	Lec. Waleed Rashid Hmood	م.وليد رشيد حمود	-16
الرياضيات	Prof. Dr. Sadeq Abdul Azeez	أ.د.صادق عبد العزيز مهدي	-17
الرياضيات	Prof. Dr. Salah Hamzah Abd	أ.د.صلاح حمزة عبد	-18
الرياضيات	Prof. Dr. Nada Sabah Karm	أ.د.ندى صباح كرم	-19
الرياضيات	Prof. Dr. Salah Mahdi Saleh	أ.د. صلاح مهدي صالح	-20
الرياضيات	Prof. Dr. Muneer A. Alkhleq	أ.د.منير عبدالخالق عزيز	-21



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شهادات المؤتمر Conference Letters

Time: 12:15 PM - 12:30 PM

Dept.	القسم	Name of Prof.	اسم الاستاذ
Physics	الفيزياء	Prof. Dr. Ali Ahmed Yosuf	أ.د. علي احمد يوسف
Physics	الفيزياء	Prof. Dr. Tareq Jaafer Alwan	أ.د. طارق جعفر علوان
Physics	الفيزياء	Prof. Dr. Majid Hameed Hasoni	أ.د. ماجد حميد حسوني
Physics	الفيزياء	A.Prof.Dr. Faten Shakor Zain	أ.م.د. فاتن شكور زين العابدين
Physics	الفيزياء	A.Prof.Dr. Mushtaq A. Muhsen	أ.م.د. مشتاق عبد المحسن جبار
Physics	الفيزياء	A.Prof.Dr. Nebeel Mubareq	أ.م.د. نبيل مبارك ميرزا
Computer Science	الحاسوب	A.Prof.Dr. Sawsan A. Alhadi	أ.م.د سوسن عبد الهادي محمود
Computer Science	الحاسوب	A.Prof.Dr. Eklas Abas Jaber	أ.م.د اخلاص عباس جبر
Mathematics	الرياضيات	A.Prof.Dr. Maki Akram Moh.	أ.م.د. مكي اكرم محمد صالح
Mathematics	الرياضيات	Lec. Jaafer Hmood Aidi	م.د. جعفر حمود عيدي
Mathematics	الرياضيات	Lec. Dr. Ali Adnan A. Saheb	م.د. علي عدنان عبد الصاحب



Coffee Break

12:30 PM - 1:00 PM



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Track 1

Physics and Applied Physics



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رابعاً: جلسات اليوم الاول - (26 May 2021)

الجلسات الحضورية - اليوم الاول للمؤتمر - المحور الاول: Attendance Sessions Day 1: المحور الاول

ROOM No. 1

Track 1: Physics and Applied Physics	المحور الاول: الفيزياء والفيزياء التطبيقية
Day 1: 26 May 2021	اليوم الاول: 26 ايار 2021
Time: 1.5 Hours	الوقت: ساعة ونصف
Session Chair: Prof. Dr. Haifaa Khazi Raheed	مدير الجلسة: أ.د. هيفاء غازي رشيد
Session Co- Chair: Prof. Kudhair Abbas Mishjel	مقرر الجلسة: أ. خضر عباس مشجل
No. of Papers: 9 Papers	عدد البحوث: 9 بحوث
Location: College of Education, Room No. 1	مكان الانعقاد: كلية التربية - قاعة رقم 1

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Mohammed B H Al-Bedri	Estimation of the annual effective doses from direct ingestion of 226Ra and 228Ra in the Disi groundwater for different age groups	121
01:10 PM	Rand H Ali, Kadhim A Aadim, Alaa N Abd Algaffar	The Novel Refractive Index for Optical Coating Applications	157
01:20 PM	Luna Basil Hazime, Muayyed Jabar Zoory	Analysis of the Focusing Ion Beam Microscope Ion Mirror Method for Studying Influence of the Measuring Chamber	251
01:30 PM	Luna Basil Hazime, Muayyed Jabar Zoory	Ion Trajectory Analysis in FIB Microscope to Study the Dielectric Constant using Mirror Method	254
01:40 PM	Thaer Hashim AbdulMutaleb, Hayder Raaid Talib, Ali Hamdullah Ahmed	Estimation of the reliability function of the Rayleigh distribution using some robust and kernel methods	131
01:50 PM	Farah A. Lazem, Hammad R. Humud, Mohammed J. Alwazzan	Construction and spectral characterization of the gliding arc reverse vortex flow plasma system at atmospheric pressure	160
02:00 PM	Khudheir A Mishjil, Ali H Abdulsada, Hayfa G Rashid, Hamid H Murbat and Nadir F Habubi	The Effect of Non-Thermal Plasma on the Topographical and Optical Constants of Cd Doped ZnO Thin Films	53
02:10 PM	Suha A. Fadaam, Hiba M. Ali, Ayad Ahmed.Salih, Maithm A.Obaid, Ali Sabeeh Ali and Nadir F. Habubi	Synthesis and characterization of metastable phases of SnO and Sn304 thin films for solar cells applications	7
02:20 PM	Rashid Hashim Jabbar, Shurooq Jasim Jabbar, Warqa Adnan Shakir, Mudar Ahmed Abdulsattar, Israa Hadi Hilal	Synthesis of ZnO: Sb thin films Dropped on glass and Porous Silicon for CO Gas Sensing	15

End of Day 1



الجلسات الحضورية - اليوم الاول للمؤتمر - المحور الاول: Day 1

ROOM No. 2

Track 1: Physics and Applied Physics	المحور الاول: الفيزياء والفيزياء التطبيقية
Day 1: 26 May 2021	اليوم الاول: 26 ايار 2021
Time: 1.5 Hours	الوقت: ساعة ونصف
Session Chair: Prof. Dr. Hassan Nouri Abdulwahab	مدير الجلسة: أ.د. حسن نوري عبد الوهاب
Session Co- Chair: Prof. Dr. Mustafa S. Hashim	مقرر الجلسة: أ.د. مصطفى شاكر هاشم
No. of Papers: 8 Papers	عدد البحوث: 8 بحوث
Location: College of Education, Room No. 2	مكان الانعقاد: كلية التربية - قاعة رقم 2

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Nada Qasim, Ghada S. Karam, Ali H. Al-Hamadani, Rafid A. Haleot, Ziad M. Abood	Calculation of ensquared energy of diffraction-limited optical system with Higher-order parabolic filter	151
01:10 PM	N. N. Jandow, A.A. Abbs, Kh. G. Mohammed, N. F. Habubi, F.K. Yam	Comparative Study of the Structural Properties for Thin and Thick ZnO Films	147
01:20 PM	Marwa M. Ali, Muhsin A. Kudhier, Raad S. Sabry	Synthesis and Photocatalytic Activity of CdS Nanosheets Prepared by Chemical Bath Deposition Method	212
01:30 PM	Hayfa G Rashid, Khudheir A Mishjil, Hussian T. Hassim, Alaa N. Abd Algaffar, Nadir F Habubi	Design and Evaluation of Homogeneously Mixed Dielectric Antireflection Coatings with ZEMAX	89
01:40 PM	Safa H. Mohammed, Mudhafar A. Mohammed, Ali A. Aljubouri, Sara H. Shahatha	Influence of copper addition on the properties of equiautomic NiTi shape memory alloy prepared by vacuum induction melting method	25
01:50 PM	Mohammed Mahdi Salih Altufaili, Ameer Najm Najaf, Mohamad J. Al Bermani	Link Budget Analysis For 3u Nanosatellite (Tigrisat) Operating At S-Band	217
02:00 PM	Sara H. Shahatha, Mudhafar A. Mohammed, Safa H. Mohammed And Lina Mohammed Jaffer	Effect of Adding Titania and Alumina on the Bioactivity Properties of Porous Hydroxyapatite via Replication Method for Bone Reconstruction	47
02:10 PM	Ayser A. Hemed, Zainab Rashid Ghayib and Hayfa Ghazi Rashid	Controlling a chaotic anti-synchronized oscillator by a phase interplayed optical injected seed with an FBG sensor	128

End of Day 1



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Track 2

Mathematics and Statistics



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الجلسات الحضورية - اليوم الاول للمؤتمر - المحور الثاني: **الجلسات الحضورية - اليوم الاول للمؤتمر - المحور الثاني:**

ROOM No. 3

Track 2: Mathematics and Statistics	المحور الثاني: الرياضيات والاحصاء
Day 1: 26 May 2021	اليوم الاول: 26 ايار 2021
Time: 1.5 Hours	الوقت: ساعة ونصف
Session Chair: Prof. Dr. Salah Mehdi Salih	مدير الجلسة: أ.د. صالح مهدي صالح
Session Co- Chair: A. Prof. Dr. Salim D. Muhsin	مقرر الجلسة: أ.م.د. سالم داود محسن
No. of Papers: 9 Papers	عدد البحوث: 9 بحوث
Location: College of Education, Room No. 3	مكان الانعقاد: كلية التربية - قاعة رقم 3

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Fouad H. A. Alsharify, Zahir Abdul Haddi Hassan	A Comparison Between Two Techniques to Compute the Reliability of a Complex Network	24
01:10 PM	Mohammed RASHEED, Mustafa Nuhad Jumaa, Suha SHIHAB, Ahmed RASHID, Taha RASHID	The numerical Calculations of Single-Diode Solar Cell Modeling Parameters	118
01:20 PM	Mohammed RASHEED, Mustafa Nuhad Jumaa, Suha SHIHAB, Ahmed RASHID, Taha RASHID	Solar PV Modelling and Parameter Extraction Using Iterative Algorithms	119
01:30 PM	Nagham Ali Hussen, Mukdad Qaess Hussain, Faten Hashim Mohammed	T- Semihollow-Lifting Modules	114
01:40 PM	Anfal Hasan Dheyab, Suaad Naji Kadhim, Mukdad Qaess Hussain	T-Small Quasi-Dedekind modules	42
01:50 PM	Salah H. Abida and Hussein F Al-Azzawi	The Probability Distribution of Time to Extinction: A simulation study	219
02:00 PM	Hiba Qasim, Huda Abdulaali Abdulbaqi	Real time Arabic speech recognition based on convolution neural network	73
02:10 PM	Huda Fadhil Abass, Idean Hassan Al-Kana	Proposed Ranking Function to Solve the Fuzzy Project Management and Network Problem	142
02:20 PM	Ahmed khalf Radhi, Shamel Ibrahim Ahmed	Subclass of Harmonic Multivalent Functions	173

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Track 3 - 4

Information Technology Computational and Quantum Systems



الجلسات الحضورية - اليوم الاول للمؤتمر - المحور الثالث - الرابع: Attendance Sessions Day 1: Day 1: 26 May 2021

ROOM No. 4

Track 3-4: Information Technology	المحور الثالث / الرابع: تكنولوجيا المعلومات
Day 1: 26 May 2021	اليوم الاول: 26 ايار 2021
Time: 1 hour	الوقت: ساعة
Session Chair: A. Prof. Dr. Eimad E. Abdul-Kareem	مدير الجلسة: أ.م.د. عماد عيسى عبد الكريم
Session Co- Chair: A. Prof. Dr. Anwar Abbas Hatab	مقرر الجلسة: أ.م.د. انوار عباس حطاب
No. of Papers: 5 Papers	عدد البحوث: 5 بحوث
Location: College of Education, Room No. 4	مكان الانعقاد: كلية التربية - قاعة رقم 4

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Fouad H. A. Alsharify, Zahir Abdul Haddi Hassan	A Comparison Between Two Techniques to Compute the Reliability of a Complex Network	30
01:10 PM	Vian Adnan Ferman and Mohammed Ali Tawfeeq	Machine Learning Challenges for IoT Device Fingerprints Identification	92
01:20 PM	Fatima Hashim, Hayder Dibs, Hussein Sabah Jaber	Applying Support Vector Machine Approach on Multispectral Remotely sensed satellite image for Geospatial Analysis	199
01:30 PM	Rafal Fadhil Jabbar, Osama Qassim Jumah Al-Thahab	Text Steganography in Image by using Radon _ Barker code Transforms	193
01:40 PM	Duaa A. Taban, Ali Al-Zuky, Shaymaa H. Kafi, Anwar H. Al-Saleh, Haidar J. Mohamad	Smart Electronic Switching (ON/OFF) System Based on Real-time Detection of Hand Location in the Video Frames	4

End of Day 1



برنامـج المـؤتمـر ... Inauguration Schedule ...

2nd Day

Thursday, May 27, 2021

Time: 12:30 PM - 4:00 PM



Virtual Via: **ZOOM**



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Track 1

Physics and Applied Physics



ال يوم الثاني: الخميس، 27 أيار، 2021 / Thursday, May 27, 2021

ZOOM Meeting Room. 1

Track 1: Physics and Applied Physics	المحور الأول: الفيزياء والفيزياء التطبيقية
Day 2: 27 May 2021	اليوم الثاني: 27 ايار 2021
Time: 3 Hours	الوقت: 3 ساعات
Session Chair:	مدير الجلسة: 1. أ.د. نضال نيسان جندو 2. أ.د. عدنان يوسف حسين
Session Co- Chair:	مقرر الجلسة: 1. أ.د. اسماعيل عبد الله اخلاطى 2. أ.م.د. طارق هاشم عبود 3. أ.م.د. انتصار هاتو هاشم 4. أ.م.د. أيسر عبد الحسين حمد
No. of Papers: 20 Papers	عدد البحوث: 20 بحثاً
ZOOM Join Information:	
Join Link: https://zoom.us/j/98955454685	
Webinar ID: 989 5545 4685	
Participant ID: 298833	

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Moatasem AlSalih, Syakirah Samsudin , Siti Suri Arshad	Synthesis, Properties and Application of Titanium Dioxide Doped with Nitrogen. Its Effectiveness on Photo DegradationGlutathione-S-Transferase (GST) enzymes Pupae Instar of Aedes aegypti	30
01:10 PM	Hussien Abid Ali Mraity, Mustafa Kadhum AL Aseebee	Evaluation of Entrance Surface Air Kerma in Patients During PA Chest Radiography Using CALDose Program in Al Najaf Governorate Hospitals	51
01:20 PM	Bhishma Karki, Saddam Husain Dhobi, Arun Kumar Shrestha, Narayan Gautam	Strength of Yukawa Potential for Elementary Masses Less than Meson Mass	207
01:30 PM	Bhishma Karki, Saddam Husain Dhobi, Jeevan Jyoti Nakarmim, Narayan Gautam	Variation of mass and time conversion of rest into a non-rest visible photon or vice-versa	208
01:40 PM	Mohammed RASHEED, Mustafa Nuhad Jumaa, Suha SHIHAB, Ahmed RASHID, Taha RASHID	A Simplified and Comprehensive Approach to Characterize Photovoltaic Cell Performance	126
01:50 PM	Ivan B. Karomi, Yasir Y. Kassim, Hisham A. Salih, Mohammed S. Al-Ghamdi	Temperature dependence of electrical and optical characteristics of InAsP laser diode	94
02:00 PM	Hussain Ali Badran,Abu Talib Y. Abbas, R. K. Fakher Alfahed	Study the Effect of Concentration on the Evolution of Far-Field Diffraction Patterns of Bromocresol Purple and Congo Red Solution	21
02:10 PM	Abeer Ghalib Hadi,Zainab Al-Ramadhan Ahmed Hashim	Enhanced Optical Characteristics and Low Energy Gap of SrTiO ₃ Doped Polymeric Blend for Optoelectronics Devices	9
02:20 PM	Batool Mohammed, Hind Ahmed and Ahmed Hashim	Improving the Optical Properties of PVA/PEG Blend Doped with BaTiO ₃ NPs	10
02:30 PM	Dr.Duraid Hussein Badr	Support Vector Machine for Classifying	164

Time	Authors Name	Paper Title	Paper ID
02:40 PM	C Boonruang, K Won-in, P Dararutana	SEM-EDS, PIXE and Raman spectroscopies analysis of Khlong Thom ancient glass bead, southern Thailand	58
02:50 PM	Mudar Ahmed Abdulsattar, Rashid Hashim Jabbar, Hussein H. Abed	Transition state application to simulate CO gas sensor of pristine and Pt doped tin dioxide clusters	48
03:00 PM	Sura S. Mohammed, Tariq J. Alwan	Effect of HCl Molarity on the Properties of PANI/MgO Nanocomposite Thin Films	137
03:10 PM	Muzahim A. A. Al.amery, Asmiet Ramizy , Najat A.Dahham	Plasma – Assisted Growth of MnO ₂ Nanostructures for Sensing Application	35
03:20 PM	Yiezi K.ALtalkany and Luay A.A.AL-swidi	On Some Types of Proximity ψ -set	149
03:30 PM	Sajjad H. Saleh and Ahmed F. Hassoon	Atmospheric Stability Classes and its effect on CO concentration Emission around Kirkuk Refinery	50
03:40 PM	Sattar A. Mutlag, Kadhum A. Abed, Al-janabi Abdulsattar A. Abdllah	Potential of Fuzzy Methodology for Investigation in Nanofluid Heat Transfer	220
03:50 PM	Hussein H. Saleh	Estimation of monthly average daily of the global solar radiation using the linear regression algorithm	143
04:00 PM	Nisreen Abdul-Jabbar, Shehab A. Kadhim, Intisar A. Naseef	Characterization study of Optical Fiber Refractive Index Sensor Based on Fabry-Perot Interferometer	100
04:10 PM	Faisal.G.Hammoodi, Aliyah.A.Shuihab and Sameera .A. Ebrahem	Studying The Topographic and Morphology Structure of CdO:In Thin Films	214

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Track 2

Mathematics and Statistics



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الاليوم الثاني: الخميس، 27 أيار، 2021 / Thursday, May 27, 2021

ZOOM Meeting Room. 2

Track 2: Mathematics and Statistics	المحور الثاني: الرياضيات والاحصاء
Day 2: 27 May 2021	اليوم الثاني: 27 ايار 2021
Time: 2.5 Hours	الوقت: ساعتين ونصف
Session Chair: Prof. Dr. Nada Sabah Karam	مدير الجلسة: أ.د. ندى صباح كرم
Session Co- Chair: <ol style="list-style-type: none">1. A. Prof. Dr. Oday Hikmat Mahmood2. Lec. Dr. Samir Qasim	مقرر الجلسة: أ.م.د. عدي حكمت محمود م.د. سمير قاسم حسن
No. of Papers: 15 Papers	عدد البحوث: 15 بحثاً
ZOOM Join Information: Join Link: https://zoom.us/j/99468937150 Webinar ID: 994 6893 7150 Participant ID: 389519	

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Enas y Abdullah1 and Layla Ismet Jalil2	Effective stride length on load carrying capacity for ankle joint	139
01:10 PM	Auday Hikmat Mahmoud and Hussein Ali Oreibi	Jordan Generalized Higher Reverse Derivations On prime Γ -Semirings	215
01:20 PM	Ahmed Hussien Sheikhu, Ghada M. Al-Naemi	Good Characteristics Of The New Spectral Conjugate Gradient Method For Unconstrained Optimization	155
01:30 PM	Sakina Sultan Aziz, Dr. Waleed Rodeen	Bayes Pre-Test Shrinkage Estimators of Scale Parameter for Maxwell Distribution under Squared Loss Functions	138
01:40 PM	Balqees K. Mahmoud, Yousif Y. Yousif	Compatibility and Edge Spaces in Alpha -Topological Spaces	145
01:50 PM	Zahraa M.Abd Al-Majeed, Mahdi Saleh Nayef	T-Rationally Closed Submodules and RCLS-Modules	34
02:00 PM	Salah H. Abida and Fadhl J. Kadhim	Entropy and Stress-Strength Model of Lower Order Statistic of Doubly Truncated Inverted Gamma Distribution	32
02:10 PM	Rahma Ibrahim Hussen, Hula M. Salih	Ideal nano Topological Spaces with Different Subsets	213
02:20 PM	Amina T. Hamad, Alaa A. Elewi	On F-Z-Hollow and Z-Semihollow Modules	146
02:30 PM	Amina T. Hamad, Alaa A. Elewi	Z-Radical of Modules and Z-Lifting modules	182
02:40 PM	Haleemah Jawad Kadhim, Hussein A H Al-Dallal, Mushtak A. K. Shiker	New Technique for Finding the Maximization to Transportation Problems	140
02:50 PM	Haleemah Jawad Kadhim, Mushtak A. K. Shiker, Hussein A H Al-Dallal	A New Technique for Finding the Optimal Solution to Assignment Problems with Maximization Objective Function	190



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Time	Authors Name	Paper Title	Paper ID
03:00 PM	Hussain Ali Mueen and Mushtak A.K. Shiker	Using a New Modification of Trust Region Spectral (TRS) Approach to Solve Optimization Problems	168
03:00 PM	Hussain Ali Mueen and Mushtak A.K. Shiker	A New Projection Technique with Gradient Property to Solve Optimization Problems	200
03:10 PM	Zainab Raad Shaker , Mahdi Saleh Nayef	Small-EssentiallyPseudo-Injective Modules	211

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ال يوم الثاني: الخميس، 27 أيار، 2021 / Thursday, May 27, 2021

ZOOM Meeting Room. 3

Track 2: Mathematics and Statistics	المدحور الثاني: الرياضيات والاحصاء
Day 2: 27 May 2021	اليوم الثاني: 27 ايار 2021
Time: 2 Hours	الوقت: ساعتين
Session Chair: A. Prof. Dr. Maki Akram M. Salih	مدير الجلسة: أ.م.د. مكي اكرم محمد صالح
Session Co- Chair: 1. A. Prof. Dr. Mahdi Salih Naif 2. A. Prof. Dr. Awatif Razoki Mezel	مقرر الجلسة: أ.م.د. مهدي صالح نايف أ.م.د. عواتف رزوكى مزعل
No. of Papers: 14 Papers	عدد البحوث: 14 بحثاً
ZOOM Join Information: Join Link: https://zoom.us/j/95594881935 Webinar ID: 955 9488 1935 Participant ID: 111157	

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Shahad Mohammed Mottea Muthana A.Mahmood	Distributive Rings and Some Domains	123
01:10 PM	Noor Maan Abdul Jabbar, Prof. Dr. Ban Ahmed Mitras	Modified Chimp Optimization Algorithm based on Classical Conjugate Gradient Methods	39
01:20 PM	Sattar Naser Katab, Banen Wafaa.Abdullah	Asymptotic Behavior Criteria for Solutions Second Order Half Linear Neutral Differential Equation	223
01:30 PM	Zahraa S. M. Alhaidary, Abdulrahman H. Majeed	Square Closed Lie Ideals and Multiplicative (Generalized) (α, β) Reverse Derivation of Prime Rings	108
01:40 PM	Ali Rashid Ibrahim	Method for Analyzing the Problem of Determining the Dynamics of Changes in the Structures of Temporal Directed Tree	222
01:50 PM	Adil K Bagheedh, Salah H Abid and Sadiq A Mahdi	Design a Fractional Chaotic Logistic Dynamical System	111
02:00 PM	Salah H. Abida, Fadhl J. Kadhim	Some Entropies and Stress-Strength model for Exponentiated Inverted Gamma Phenomena	13
02:10 PM	Tamarah Wathib Mohammad, Dr.Awatif Rezzoky Al-Dubaicy	A Simulation Study of Least Absolute Deviations Method for Ridge Regression with Multicollinearity Problem	249
02:20 PM	Sabah Hassan Malih, Salwa Salman Abed	Convergence of random iterative scheme to a common random fixed point	202
02:30 PM	Sabah Hassan Malih, Salwa Salman Abed	Convergence and stability of some random iterative schemes	201
02:40 PM	Rana H. Mutlk, Dr. Awatif Rezzoky Al-Dubaicy	Even Power Weighted Generalized Exponential Distribution	158
02:50 PM	Muntaha Khudair Abbass	Study Equivalence Between the Solution of Integral Equations and ordinary Differential Equations	14



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Time	Authors Name	Paper Title	Paper ID
03:00 PM	Mustafa I. Hameed and Muna H. Ali	Some Classes of Analytic Functions for The Third Hankel Determinant	156
03:10 PM	Habeeb A. Aal-Rkhais and Ruba H. Qasim	The Development of interfaces in a Parabolic p-Laplacian type diffusion equation with weak convection	191

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Track 3 - 4

Information Technology Computational and Quantum Systems



ال يوم الثاني: الخميس، 27 أيار، 2021 / Thursday, May 27, 2021

ZOOM Meeting Room. 4

Track 3-4: Information Technology	المدحور الثالث / الرابع: تكنولوجيا المعلومات
Day 2: 27 May 2021	اليوم الثاني: 27 ايار 2021
Time: 3 Hours	الوقت: 3 ساعات
Session Chair:	مدير الجلسة: 1. Prof. Safana Haider Abass 2. A. Prof. Dr. Abdul-Wahab Sami Ibrahim
Session Co- Chair:	مقرر الجلسة: 1. أ.م.د احمد هاشم محمد 2. م.د بيداء عبد الخالق عطية 3. م.د خالد كاظم جبار 4. م.د رهير حسين علي
No. of Papers: 21 Papers	عدد البحوث: 21 بحثاً
ZOOM Join Information: Join Link: https://zoom.us/j/96019478273 Webinar ID: 960 1947 8273 Participant ID: 208871	

Time	Authors Name	Paper Title	Paper ID
01:00 PM	Ali A. Shukur	The Necessary Condition of Hypercyclicity of Truncated Toeplitz Operator	132
01:10 PM	Imad J. Mohammed , Omar S. Naif	Wireless Optimization Algorithm for Multi-floor AP deployment using binary particle swarm optimization (BPSO)	41
01:20 PM	Abbas T Alsahlanee	Convergence Rate for Low-Pass Infinite Impulse Response Digital Filter	187
01:30 PM	Mohammed Q. Mohammed, Saif Q. Muhamed, Ali Hasan Taresh	Development of Effectiveness Method of Wireless Segments in Information System	115
01:40 PM	Mohammed Alkaragole, Sulaiman M. Karim, Saadaldeen Rashid Ahmed	A New Approach to Study the Challenges Of E-Learning Advantages and Disadvantage	235
01:50 PM	Khalid salman, Emrullah Sonuç	Thyroid Disease Classification Using Machine Learning Algorithms	243
02:00 PM	Mohammed Alkaragole, Sulaiman M. Karim, Saadaldeen Rashid Ahmed	A New Approach to Study the Challenges Of E-Learning Advantages and Disadvantage	235
02:10 PM	Mustafa Lateef Fadhil Jumaili , Sulaiman M. Karim	Comparison of tow two cryptocurrencies: Bitcoin and Litecoin	246
02:20 PM	Mudar Ahmed Abdulsattar, Nooruldeen Mudher Almaroof, Rashid Hashim Jabbar	Interaction thermodynamics of human hemoglobin with environmental and toxic gases: A density functional theory study	226
02:30 PM	Amira K. Jabbar, Ashwaq T. Hashim Qussay F. Hassan	Medical Image Authentication by Combining Hash Signature and Watermarking Based on Frequency Domains	72
02:40 PM	Mahdi Ahmed Ali, Maisa'a Abid Ali Khodher, Muntah Khudair Abbas	Hide Secret Message in Image Transform Conformal Mapping Based Image 2DHWT	180
02:50 PM	Mahmood S. Fiadh, Buthyna N. Shihab	Fully Visible Modules with the Most Important Characteristics	120

Time	Authors Name	Paper Title	Paper ID
03:00 PM	M. A. Ahmeda, Z.T. Al-qaysia, Moceheb Lazam Shuwandy, Mahmood Maher Salih, Majid Hamid Ali	Automatic COVID-19 pneumonia diagnosis from x-ray lung image: A Deep Feature and Machine Learning Solution	181
03:10 PM	Ali S. Kurji , Aseel H. Al-Nakkash, Osama Abbas Hussein	Lora in a campus: Outdoor Environment Accurate Modelling Based on Particle Swarm Optimization at 435MHz	170
03:20 PM	Khulood Obaid Kzar Al-Masoodi, I. Rafiq2, A. El Assry, A. Derouiche	DFT/ TD-DFT Study of Donor-π-Acceptor Organic Dye models contained Triarylamine for an Efficient Dye-Sensitized Solar Cell	19
03:30 PM	Dr. Ajay B. Gadicha, Dr. Vijay B Gadicha, Ahmed J. Obaid	A Novel approach towards Implicit Authentication System by using Multi-share visual key Cryptography Mechanism	244
03:40 PM	Mohammed Mahdi Salih Altufaili, Hussein Ali Mousa and Yasir Abdulzahra Flaiyh Alaabedi	An Analysis of the Effect of Wireless Network Channel on Radio Fingerprint Authentication	107
03:50 PM	Nareen O. M.Salim, Subhi R. M. Zeebaree, Mohammed A. M.Sadeeq, A. H. Radie, Hanan M. Shukur, Zryan Najat Rashid6	Study for Food Recognition System Using Deep Learning	22
04:00 PM	Saja J Mohammed and Dujan B Taha	Privacy Preserving Algorithm using Chao-Scattering of Partial Homomorphic Encryption	266
04:10 PM	Suad A. Alasad, Alyaa Abdulhussein Al-Joda, Enas Fadhil Abdullah	Mobile Ad Hoc Network (MANET) Proactive and Reactive Routing Protocol	78
04:20 PM	Sharmeen M.Saleem, Subhi R. M. Zeebaree, Maiwan B. Abdulrazzaq	Real-life Dynamic Facial Expression Recognition: A Review	17

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