



The 2025 IEEE International Conference on Circuit, Systems and Communication (ICCSC 2025) June 2025 ,19-20, Fez, Morocco

Conference Program

PROGRAM – 2025 IEEE International Conference on Circuit, Systems and Communication, june 19-20, 2025, Fez, Morocco

Welcome to the International Conference on Circuit, Systems and Communication (ICCSC)!

We are thrilled to have you join us for this exciting gathering of brilliant minds in the circuit, systems, and communications field. The ICCSC is a prestigious event that brings together researchers, academicians, industry professionals, and students from around the world to share knowledge, exchange ideas, and explore the latest advancements in this rapidly evolving domain. This conference serves as a platform for fostering collaboration and encouraging interdisciplinary discussions on a wide range of topics, including but not limited to artificial intelligence, data science, networking, cybersecurity, machine learning, and information theory. With a diverse program featuring keynote speeches, technical sessions, workshops, and poster presentations, ICCSC promises to offer a stimulating and enriching experience for all participants. We have assembled a distinguished lineup of experts and thought leaders who will share their insights, cutting-edge research, and innovative solutions. This is an excellent opportunity to expand your professional network, engage in thought-provoking discussions, and stay updated with the latest trends shaping the future of computer science and communications. Whether you are a seasoned professional, a budding researcher, or a passionate student, ICCSC offers a supportive and inclusive environment that encourages collaboration, fosters intellectual growth, and promotes excellence. Take advantage of the numerous networking opportunities, engage in fruitful conversations, and establish connections that may lead to new collaborations and future breakthroughs. On behalf of the organizing committee, we extend our warmest welcome to all attendees, sponsors, and partners. We are confident that ICCSC will be a memorable and rewarding experience for everyone involved. Let us come together, embrace innovation, and shape the future of computer science and communications.

Welcome to ICCSC 2025, and we look forward to a successful and inspiring conference!

Prof. Mohammed EL GHZAOU
Chairman of ICCSC2025



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El Mahdi	BOUYAHROUZI	<i>Industrial Engineering Laboratory, National School Of Applied Sciences, Mohammed First University, Oujda, 6000, Morocco</i>
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El Mehdi	IYOUBI	<i>Esith/Ensmr</i>
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Hind	MOUHEDDANI	<i>ISMSE Laboratory, Faculty Of Sciences And Technology, B.P.509, Boutalamine, Errachidia</i>
Holly	DEVIARTI	<i>Moulay Ismail University Of Meknes, Morocco</i>
Ibrahim	EL IDRISSI	<i>Binus University</i>
Ibrahim	OUAHBI	<i>REIPT Laboratory, Faculty Of Sciences And Technology, B.P. 509, Boutalamine, Errachidia,</i>
Ibtissam	SAJIB	<i>Moulay Ismail University Of Meknes</i>
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Ikram	EL AZAMI	<i>Ensam Uh2</i>
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Imane	AITOUHANNI	<i>Ensias</i>
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Ismail	MCHICHOU	<i>Sidi Mohamed Ben Abdellah University</i>
Ismail	LAMAAKAL	<i>Fpn</i>
Issam	BEKKI	<i>ISMSE Laboratory, Faculty Of Sciences And Technology, B.P. 509, Boutalamine, Errachidia,</i>
Jawad	OUBAHA	<i>Moulay Ismail University Of Meknes</i>
Joseph	OKYERE	<i>Ump</i>
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Khadija	ENNOUARYA	<i>Ibn Tofail</i>
Khalid	EL FAHSSI	<i>Faculty Of Science, Ibn Tofail University</i>
Khalid	SAID	<i>Fstm</i>
Khalid	EL MOUTAOUAKIL	<i>National School Of Applied Sciences, Sidi Mohamed Ben Abdellah-Fez University</i>
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		<i>Faculty Of Sciences Ain Chock, Hassan II University</i>
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Maatallah	MARYAM	<i>Ump</i>
Mahfoudi	MOHAMMED	<i>Abdelmalek Essaadi University</i>
Malika	AHABBOUD	<i>F S T Fez, Imouzzar Road B.P. 2202, University Sidi Mohamed Ben Abdellah Morocco</i>
Manal	EL BAZ	<i>Ecole Polytechnique - Université Internationale d'Agadir - Universiapolis</i>
Marouane	EL ANCARY	<i>ISA Laboratory. National School Of Applied Sciences (ENSA), Ibn Tofail University. Kénitra (Morocco)</i>
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Mohamed	BADIY	<i>Faculty Of Sciences And Technics Errachidia</i>
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Rachid	OUALAID	<i>Faculté Des Sciences D'agadir-Ibnou Zohr</i>

Rachid	LAGTAYI	<i>Laboratory Of Innovative Technologies, National School For Applied Sciences, Abdelmalek Essaadi University, Tanger</i>
Rachid	AMENZOUY	<i>National School Of Applied Sciences</i>
Radouane	ELBAHJAOU	<i>Sidi Mohamed Ben Abdellah University</i>
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Raja	OUADAD	<i>Université Sultan Moulay Slimane</i>
Rajarajeshwari	KC	<i>Dr MCET</i>
Reda	ARRAOUI	<i>Department Of Physics, Faculty Of Science Dhar El Mahraz, Sidi Mohamed Ben Abdellah University, 1796 Fez, Morocco</i>
Redouane	ELHALOUMI	<i>Encg Casablanca</i>
Rguibi	ARJDAL	<i>Faculty Of Sciences, Ibn Zohr University</i>
Ridouane	OUBAGINE	<i>Université Sidi Mohamed Ben Abdellah De Fès</i>
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PROGRAM – 2025 IEEE International Conference on Circuit, Systems and Communication, june 19-20, 2025, Fez, Morocco

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Thursday, 19 June 2024 (GMT+1)

8h30-9h00

Welcoming Participants

Official Opening of the Conference
Moderator: El Hassan BEN CHEKROUN

9h00-9h30

Prof. Mustapha IJJAALI
*President of Sidi Mohamed
Ben Abdellah University,
Fez, Morocco*

Prof. Mohammed BELKASMI
*Dean of Faculty of Sciences Dhar El
Mahraz, USMBA University, Fez,
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**Prof. Mohammed
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*Iccsc'25 Chair
FSDM, USMBA, Fez, Morocco*

Meet Link

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Plenary Session 1: Prof. My Abdelouahed SABRI, USMBA University, Fez, Morocco

9h30-10h15

❖ *Speaker Lecture: **Prof. Dr. Jaime Lloret, Universitat Politcnica de Valencia, Valencia, Spain***

***“WIRELESS SENSOR NETWORKS AND COMMUNICATION SYSTEMS FOR
PRECISION AGRICULTURE”***

10h30-12h30

Oral Sessions

Meet Link

[Link to the Session](https://meet.google.com/xqr-sdfz-agf) (<https://meet.google.com/xqr-sdfz-agf>)

14h45-15h30

Plenary Session 2: Prof. Dr. Mustafa Berke Yelten Istanbul Technical University

❖ *Speaker Lecture: **Prof. Dr. Daniel Burgos, Universidad Internacional de La Rioja***
“MISINFORMATION AND MANIPULATION IN THE AGE OF AI”

15h30-17h30

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Oral Sessions

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166	Iot Network Security: Ensemble-Based Approaches For Anomaly Detection Lamya Jaafouri, Maryam Et-Tolba, Charifa Hanin, Iyad Lahsen-Cherif
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360	Real-Time Image Preprocessing For Abandoned Object Detection In Urban Surveillance El Yazid Radid, El Habib Benlahmar, Sanaa El Filali
35	Advanced Language Models For Depression Detection: A Comparative Study Of GPT-2 And GPT-3 In NLP Jallaglag Achraf, Louardi Brahim, Sabri My Abdelouahed, Yahyaouy Ali, Aarab Abdellah
346	Eduqas: Arabic Baseline Dataset To Advance Question Answering In Moroccan Universities Louahi Youness, Ait Abdelouahad Abdelkaher , Nabil Mohammed, Tachicart Ridouane, Mohamed Bouzahir
109	Enhancing Skin Lesion Classification With Resnet And Vit: A Study On Feature Combination And Selection Abla Rahmouni, El Mahdi Ayou, My Abdelouahed Sabri , Abdellah Aarab
77	U-Netmn And Segnetmn: Modified U-Net And Segnet Models For Bimodal Sar Image Segmentation Marwane Kzadri, Franco Alberto Cardillo, Nanée Chahinian, Carole Delenne, Renaud Hostache, Jamal Riffi

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299	A Review Of Reconfigurable Antenna Types And Mechanisms For Wireless Communications: Iot Applications Abdellah Elabdi, Moussa El Ayachi, Mohammed Rahmoun, Abdenasser Lamkaddem
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CHAIRS	JAMAL RIFFI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY ADIL JEGHAL, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY Ali YAHYAOUY, , SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
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34	Pipelined Implementation Of Secure Hash Algorithm On Fpga For Enhanced Performance Ismail Mchichou, Mohamed Amine Tahiri, Rabab Ouchker, Hicham Amakdouf, Hassan Qjidaa
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122	Fusion Of Vision Transformer And Vgg Features For Enhanced Skin Lesion Classification Ayou Elmahdi, Rahmouni Abla, Ennoui Assia, Sabri Abdelouahed, Aarab Abdellah
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56	Digital Transformation: A Strategic Lever For Collaborative And Agile Management El Mahdi El Massaoudi, Abdelaziz Berdi, Bennacer Mohamed Karim, Lamrhary Mohamed Alae, El Hammoumi Ahmed, Adil El Ouali
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115	Deep Learning For Ecg Classification Using Convolutional Neural Networks And Vgg16 Khalidou Abdoulaye Barry; Youness Manzali; Mohamed El Far
391	State- of - the - art review of Enhance Energy Management in Smart Grid using Artificial Intelligence Mailal Said, Bouachrine Brahim, Dahmane Kaoutar, Ajaamoum Mohamed
438	Hybrid Deep Learning And Boosting Approach For Iot Intrusion Detection Using Autoencoder And Xgboost Mehdi Moucharraf, Mohammed Ridouani, Fatima Salahdine, Naima Kaabouch
349	Optimal Design of A 5v Ldo Controller In 180nm Cmos Technology Using A Genetic Algorithm Hajjar Mamouni, Karim El Khadiri, Mohammed Ouazzani Jamil, Hassan Qjidaa
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292	Smart Adaptive Learning Systems in Education: Current State and Future Perspectives Ridouane Oubagine, Loubna Laaouina, Adil Jeghal, Hamid Tairi
402	Artificial Intelligence And Smart Knowledge Management In Education: A Lever To Develop Digital Skills, Soft Skills, And Student Autonomy In Sciences Maria Elqabli, Fadwa Ammari, Abdelaziz Boumahdi
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Online Presentation

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CHAIRS	ALI EL ALAMI, MOULAY ISMAIL UNIVERSITY Abdelhamid BOU-EL-HARMEL, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
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90	Advancing Radar-Based Ai: The Power Of Preprocessing In Machine Learning Models Ayoub Fedjikh, Dounia Daghouj, Mohammed Fattah, Mohammed Mahfoudi, Wafae El Hamdani, Said Mazer, Moulhime El Bekkali
436	1 Dimensional Residual Network For Ecg Signal Denoising Nisrine Zaliga, Samir Elouaham, Azzedine Dliou
80	Analyzing Asteerix Radar Data Fusion In Atc: Evaluating Synchronization, Visualization, And Latency Oumaima Ez-Zghouli, Dounia Daghouj, Mohammed Fattah, Mohammed Mahfoudi, Wafae El Hamdani, Said Mazer, Moulhime El Bekkali
445	A Comparative Evaluation Of Conventional And Intelligent Mppt Methods In Pv Systems Mohammed Belqasmi, Youssef Aboudarar, Abdelghani El Ougli, Belkassem Tidhaf
350	A Fast And Reliable Approach For Elliptical Traffic Sign Detection: Improved Performance Over Existing Method Manal El Baz, Taher Zaki, Hassan Douzi
67	An Effective Real-Time Comparative Analysis Of Lambda And Kappa Architectures Maryam Maatallah, Mourad Fariss, Hakima Asaidi, Mohamed Bellouki
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CHAIRS	FRANCO ALBERTO CARDILLO, CONSIGLIO NAZIONALE DELLE RICERCHE HOLLY DEVIARTI, BINUS UNIVERSITY BADRE BOSSOUFI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
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327	Comparative Study Of CNN, LSTM, CNN-LSTM And Gluonts Machine Learning Algorithms On Water Quality Index (WQI) Prediction Damien Diop, Massa Ndong, Idy Diop, Nouhou Diaby, Alassane Bah
48	The Strategic Role Of AI In Business Digital Transformation: Opportunities And Challenges Mohamed Daoud, Assia Ennoui, My Abdelouahed Sabri
281	Llms And Generative AI For The Detection And Generation Of Scientific Content Karima El Hari, Ilham Slimani
99	Sentiment Analysis For Low-Resource And Arabic Dialects: A Comprehensive Review Taoufik Amzil, Ayoub Jannani, Nawal Sael
468	Evaluation Of Chat Generative AI Usage: What Influences Users' Intention To Continue Using It? Verisya Autavia, Vinisa Cahya, Ferdianto
205	A Comprehensive Review Of Deep Learning Techniques For Direction Of Arrival For Gunshot Detection Surya Jayasree Sankavaram, Farooque Azam, Sahithi VS, Mounika Bonagi, Krupa Rani Jetty

SESSION 12 Online	Machine learning application and Big Data Thursday 19, June 2025 10h30-12h30
CHAIRS	BOUCHAIB CHERRADI, CRMEF CASABLANCA-SETTAT MOUNIR GOUIQUEZ, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
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108	Learner Modeling For Personalized E-Learning: A Comparative Analysis Of Approaches Youssef El Kourchi, Nabil El Akkad
180	Quantized Yolov11 For Real-Time Road Object Detection In Smart City Environments Chaymae Rami, Ismail Lamaakal, Ibrahim Ouahbi, Khalid El Makkaoui, Yassine Maleh
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290	Mapping The Research Landscape Of Big Data Applications In Tourism: A Bibliometric Study And Content Analysis (2014-2024) El Hassani Azami Mourad, Benjelloun Ahmed
40	Ultrasonic Guided Waves In Three-Layer Functionally Graded Cylinders: A Semi-Analytical Study Rabab Raghib, Khalid Ait Cheikh, Hassna Khalfi, Ismail. Naciri, Lahoucine Elmaimouni, Jiangong Yu, Abdellah Benami
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297	Machine Learning-Based Estimation Of State Of Charge And State Of Health In Lithium-Ion Batteries For Electric Vehicles Oussama Fadlaoui, Noureedine Masaif
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407	Automating Educational Assessment With Ai: Leveraging Bloom’s Taxonomy And Transformer Models For Question Classification Azzouz Mazza, Khalid El Makkaoui, Ibrahim Ouahbi, Yassine Maleh
408	Hybrid Community Detection In Multimodal Social Networks Via Topic Modiling And Multi-View Deep Learning Hamza Haddad, Hicham Attariuas, Ali Younes

SESSION 14 Online	Intelligent systems and Predictive modeling Thursday 19, June 2025 10h30-12h30
CHAIRS	YOUSSEF FARHAOUI, MOULAY ISLAI UNIVERSITY MOHAMED OUHSSINI, IBN ZOHR UNIVERSITY
Meet Link	https://meet.google.com/amu-ihdm-cnf
273	A Comprehensive Review Of Ai Techniques For Brain Tumor Classification And Segmentation Anupam Lakhanpal , Vishwadeepak Singh Baghela , Shrikant Tiwari
270	Deepbrainsegnet: A Novel Deep Learning Model For Brain Tumor Segmentation And Classification From Mri Scans Anupam Lakhanpal , Vishwadeepak Singh Baghela , Shrikant Tiwari
212	The Role Of Ai In Supporting Local Msmes In Palm Oil Derivatives Holly Deviarti
322	Personalized Elective Course Recommendation Using Content-Based Filtering Md Mijanur Rahman, Nafiul Aziz, Farhana Yeasmin, Yousuf Khan
62	The Integration Of Artificial Intelligence In The Management Of Organizational Change: A Moroccan Perspective Bennacer Mohamed Karim, El Mahdi El Massouadi, Lamrhary Mohamed Alae, Yassine El Khatibi, El Hammoumi Ahmed, Adil El Ouali
216	Integrating Structured Knowledge With Machine And Deep Learning For Fake News Detection Adil Elmansori , Abderrahim El Mhouti ,Mohamed Fahim,Abdelmounaim Bouhlali,Tarik Boudaa
366	Malware Detection With A Hybrid Architecture Incorporating Static And Dynamic Features Otmame Stit, Ali Yahyaouy, Jamal Riffi, Khalid Alaoui Zidani, Hamid Tairi
284	Ai Based Dementia Prognosis And Early Care Jyoti Kanjalkar, Chaitrali Ghule, Shreya Mantri, Rohitashva Kumawat, Adithya Umare, Madhur Bhutada, Prakash Sharma, Pramod Kanjalkar

SESSION 15 Online	Antennas and propagation II Thursday 19, June 2025 10h30-12h30
CHAIRS	SOUFIAN LAKRIT, MOHAMMED FIRST UNIVERSITY HANAN EL FAYLALI, IBN TOFAIL UNIVERSITY
Meet Link	https://meet.google.com/gvk-wuqt-sqe
31	High-Performance Of A Microstrip Patch Antenna For 38 Ghz Band Applications Outmane Salah, Walid En-Naghma, Mouhcn El-Kahiri, Mohammed Jabbar, Hanan Halaq, Abdelghani El Ougli
42	A Wideband Cpw-Fed Annular Ring Patch Antenna Design For Sub-Terahertz Applications Nasredine Boujmil, Mohammed Fattah, Mohammed Mahfoudi, Wafae Elhamdani, Said Mazer, Moulhime El Bekkali
70	A High-Efficiency Circularly Polarized Antenna Array Structure For Energy Harvesting Applications: Experimental Validation Walid En-Naghma, Hanan Halaq, Abdelghani El Ougli, Mohamed Latrach
72	A Bi-Band Monopole Antenna Tailored For 2.45/5.80 Ghz In Ism Bands Utilizations Walid En-Naghma , Mouhcn El-Kahiri, Mohammed Jabbar, Outmane Salah, Hanan Halaq, Abdelghani El Ougli
37	A Microwave Insensitive Penta-Band Absorber For Improving Antenna Performance Ouafae Elalaouy, Fadwa Baijou, Mohammed El Ghzaoui, Jaouad Foshi
148	Enhancing Patch Antenna Design Using Fdtd Through Comparative Analysis With Hfss For Next-Generation Wireless Applications Nabil Meskini, Bilal Aghoutane, Hanan El Faylali
87	A Multiband Patch Antenna For X-Band Communication Abdelhafid Es-Saqy, Maryam Abata, Salah-Eddine Didi, Mohammed Fattah, Said Mazer, Moulhime El Bekkali
361	Implementation And Characterization Of Butler Matrix Integrated With Array Antenna In Two-Layer Structure Zulfi Zulfi, Nachwan Mufti Adriansyah, Joko Suryana, Achmad Munir

SESSION 16 Online	RF and analog components Thursday 19, June 2025 10h30-12h30
CHAIRS	ABDELHAFID ES-SAQY, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY MOHAMMED FATTAH, MOULAY ISMAIL UNIVERSITY MOHAMMED MOUTAIB, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/hec-ybeq-xrk
28	A Compact Srr Metamaterial-Inspired Bandpass Filter For Rf/Microwave Applications Youssef Khardioui, Ali El Alami, Mohammed El Ghzaoui
434	Design Of A High-Efficiency Dual-Band Planar Rectifier For Rf Energy Harvesting From Wifi And 5g Networks Moustapha El Bakkali, Oumaima Douass, Naima Amar Touhami, Aziz Dkiouak, Mohssine El Ouahabi, Said El Khaldi
509	A Comprehensive Review Of 6g Wireless Networks Imane Khobzi, Souad Akkader, Abdennaceur Baghdad
377	Frequency-Reconfigurable Antenna For 5g Mm-Wave Applications Ahmed El Ghandour, Mohamed Nabil Srifi, Mourad El Habchi
197	Design And Analysis Of A High-Efficiency Circular Monopole Antenna With Ultra-Wideband Performance For Future 6g Wireless Communication Systems Ghita Mergaoui, Chaimae Merimi, Fathi Altalqi, Kaoutar Allabouche, Omar Mouhib
324	Co-Simulation Design Of Bjt-Based Lna For Radio Frequency Front-Ends Novelita Rahayu, Budi Syihabuddin, Achmad Munir
530	Energy-Efficient Clustering Multi-Hop Routing Protocol Iman Valizadeh, Jaime Lloret

SESSION 17 Online	Control Thursday 19, June 2025 10h30-12h30
CHAIRS	REDOUANE CHAIBI, MOULAY ISMAIL UNIVERSITY EL-MAHJOUB BOUFOUNAS, MOULAY ISMAIL UNIVERSITY
Meet Link	https://meet.google.com/uvx-rpiv-yqq
223	Integrated Adaptive Cruise Control And Bldc Motor Drive For Optimal Speed Regulation In Electric Vehicles Anwar Hasni, Hassan El Fadil, Abdellah Lassioui, Marouane El Ancary, Yassine El Asri, Hafsa Abbade, Abdelouahad Fhail, Salah Eddine El Meslouhi
480	Performance Comparison Of Classical And Fuzzy Logic Mppt Controls For Photovoltaic Pumping Systems Under Rapid Irradiance Changes Mohammed Boutaybi, Yamina Khelifi, Mohamed Benzaouia
182	Intelligent System For Controlling The Supply Voltage Of The Excitation Winding Of The Three-Phase Synchronous Generator Petru Livinti, Ioan-Viorel Banu, George Culea , Btissam Majout, Sorin Eugen Popa, Sorin-Gabriel Vernica
396	Eco-Intelligent Traffic Signal Control Via Deep Reinforcement Learning Youssef Bentaleb, Hakima Asaidi, Mohamed Bellouki, Naoufal El Allali
81	Optimization Of Photovoltaic Systems Under Partial Shading: A Comparative Analysis Of Pso And P&O Algorithms Bdaïdi Fatna, Yousfi Driss, Ayoub Rahmouni
310	Single Phase And Polyphase Wireless Power Transfer Chargers: A Comparative Study Marouane El Ancary, Hassan El Fadil, Abdellah Lassioui, Mohammed Chiheb, Yassine El Asri, Anwar Hasni, Abdelhafid Yahya
448	Hybrid Model For Long-Term Electricity Consumption Forecasting: Enhancing Accuracy With Elasticnetcv Safouane Boudakkou, Ahmed El Ghammat, Abdelaaziz El Hibaoui
229	Dtc And Backstepping Control For The Permanent Magnet Synchronous Machine Rachid Ibrahm, Badre Bossoufi, Mohammed Said Adouairi, Udit Mamodiya

SESSION 18 Online	Renewable Energy II Thursday 19, June 2025 10h30-12h30
CHAIRS	NOREDDINE CHAIBI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY BENSALEM BOUKILI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/iux-dcts-zji
65	Assessment And Analysis Of Solutions To The Impact Of Integrating Renewable Energies Into Smart Grids Mariyam Ouhmidan, Haidi Touria, Mariam El Jaadi, Mounir Derri
101	Advanced Mppt And Voltage Regulation In Pv-El Stack Systems Using Backstepping Sliding Mode Control I.Bekki, H.Rezki, F-Z.Lamzouri, El-M.Boufounas
380	Steady-State Balanced Current Control Of A Two-Arm Series Capacitor Step-Down Dc-Dc Converter Chin Hsia, Jia-Chen Shen, Chen-Tung Hsiao, Hung-En Liao, Chung-Yi Li
64	Study Of Power Losses And Voltage Stability Of The Moroccan Electricity Network With A Clean Solar Source Connect Safaa Essaid, Loubna Lazrak, Hicham Halimi, Mouhsine Ghazaoui
144	Optimization Of Renewable Hybrid Energy Systems Performance Through The Use Of Artificial Intelligence Methods: A Synthesis Abdelhamid Boumraya, Mounir Derri, Touria Haidi, Mariam El Jaadi
60	Enhanced Photovoltaic System Performance Using Abc-Hc And Super Twisting Sliding Mode Control Under Partial Shading Conditions H. Rizki, J. Aiboudi, E-M. Boufounas, A. El Amrani, L. Bejjit
103	Study Of The Contribution Of Predictive Maintenance For Diesel Engine Reliability Improvement El Khiate Mounir, Samri Hassan, Ech-Chhibat Moulay El Houssine, Znaidi Zineb.
159	Benefits, Challenges, And Limitations Of Combining Artificial Intelligence And Vehicle-To-Grid (V2g) Technologies Into One Energy Management System El Houssine Amraouy, Ali Yahyaouy, Sanaa Faquir, Hicham Chaoui, Hamid Gualous

SESSION 19 Online	Images Processing Thursday 19, June 2025 10h30-12h30
CHAIRS	SHRIKANT TIWARI, GALGOTIAS UNIVERSITY LEKSHMI R.R, AMRITA SCHOOL OF ENGINEERING BILAL AGHOUTANE, IBN TOUFIAL UNIVERSITY
Meet Link	https://meet.google.com/dcd-haiy-ckt
295	Encrypting Images Using The Hill Cipher Under The Control Of A Pseudorandom Vector Mariem Jarjar, Abdelhakim Chemlal, Hassan Tabti, Abdellah Abid, Abdellatif Jarjar And Abdelhamid Benazzi
249	A Survey Of Model Compression Techniques For Tinymml Applications Ismail Lamaakal, Chaymae Yahyati, Ibrahim Ouahbi, Khalid El Makkaoui, And Yassine Maleh
152	A Deep Learning-Based Model For Automatic Brain Tumor Detection Using Transfer Learning Abdeljalil El-Ibrahimi, Wassima Moutaouakil, Khadija Benjilali, Mohammed Amine Bouqentar, Bouchaib Cherradi, Omar Bouattane
29	Prediction Of Relative Humidity In Fez Using Recurrent Neural Networks: Comparison Of The Nar And Narx Models Iman Kadir, Abdellah Ben Yahia, Abdelaziz Abdallaoui, Abdellah El Hmaidi
225	Assessing Predictive Model Portability Through Algorithmic Approaches In Educational Data Mining Nour Eddine El Fezazi, Ouidad Akhrif, Ilham Oumaira, Mohamed Daoudi
178	Data Augmentation Using Smote Technique: Application For Classification Of Patient Care Ibtissam Essadik, Khalil Laatiris, Ilyas Tammouch
120	Evaluation Of The 80 Kvp Chest Protocol For A Strategy To Optimize Ct Dose And Image Quality Zouhir Saga, Mayssae Touil, Mohammed Talbi, Abdellah Rezzouk, Abdelaali Rahmouni

SESSION 20 Online	AI and Data Science Thursday 19, June 2025 15h30-17h30
CHAIRS	ILHAM SLIMANI, MOHAMMED FIRST UNIVERSITY ELARBI ABDELLAOUI ALAOUI, MOULAY ISMAIL UNIVERITY
Meet Link	https://meet.google.com/fez-toqv-bqe
412	Generative Ai In The Service Of Collaborative Learning In Morocco: Opportunities And Challenges Meriem Rachid, Marwa Eljai, Abdelaziz Berdi, Nabil Seghyar
179	A Review On Ai Optimization Techniques- Based Wco- Pso Techniques, And Role Of Dl In Load Management Zahraa Talib, Laith Ali Abdul Rahaim, Anwer S. Aljuboury
275	Analysis Of The Financial Cost And Energy Efficiency Of Existing Autonomous Electric Generators In Comparison With A Simulated Hydrogen Generator Laince Pierre Moulebe, Sylvere Yannick Loemba Mouandza, Abdelwahed Touati, Eric Obar Akpoviroro, Samir Rachidi, Nabila Rabbah
296	Optimizing Blood Clot Detection Using Deep Learning: Effects Of Preprocessing Pipelines And Image Slicing Methods Outmane Labaybi, Amine Ballari, Mohamed El Far
426	Optimizing Container Movement: A Comparative Study Of Genetic Algorithms And Ant Colony Optimization In Port Logistics Aidi Sanaa, Belahyane Imane
535	Artificial Intelligence For Modelisation And Simulation: Alsi12 In Laser Melting Rihabe Belgada , Aïssa Ouballouch , Khalid Zarbane
98	Artificial Intelligence In Team Sports: Methods For Data Collection And Performance Analysis – A Narrative Review Doha Lefhal, Ali Ouacha, Abdeslam El Harraj, Soumia Ziti
181	Enhancing Diagnostic Accuracy In Breast Cancer And Diabetes Prediction Using Probability-Based Correction And Machine Learning Imane Aitouhanni, Amine Berqia, Habiba Bouijij

SESSION 21 Online	Renewable energy and Metaheuristic Algorithms Thursday 19, June 2025 15h30-17h30
CHAIRS	CHIN HSIA, CHANG GUNG UNIVERSITY LOUBNA LAAOUINA, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY ABDELLAH ASBAYOU, IBN ZOHR UNIVERSITY
Meet Link	https://meet.google.com/pmw-fogr-csp
413	Deep Learning-Based Solar Forecasting: Predicting Sunspots From Radiocarbon And Beryllium Isotopes Amira Alouani , Neila Bedioui , Mongi Besbes
321	Ai-Enhanced Two-Stage Solar Pv Powered Sensorless Induction Motor Drive For Irrigation Applications Mohcine Byar, Abdelouahed Abounada
351	Long Term Solar Energy Prediction Using Deep Learning Models With Monte Carlo Simulation Khaoula Saidani, Nejla Essaddi, Monji Besbes
311	Using Artificial Intelligence To Control And Manage The Morphology Of The Urban Area El Massaoudi El Mahdi, Mostapha Chakki, Mounir Gouiouez, Meryem Amane, Nabil Seghyar
370	Design And Characterization Of Compact 8x8 Butler Matrix With Strip-Bridges For Wireless Communications Muhammad Manzil Karama, Zulfi, Achmad Munir
417	Designing Framework Of A Stand-Alone Microgrid With Hydrogen Storage System Considering Excess Energy And Reliability Aspects Anas Bouaouda, Yassine Sayouti
523	Prediction Of The Phase Velocity Of A Cylindrical Shell Immersed In Water By The Subtractive Clustering Approach Based On Sugeno Fuzzy Inference System Youssef Nahraoui, El Houcein Aassif, Samir Elouaham, Hicham Banouni
142	Optimizing Autonomous Mobile Robot Navigation in Smart logistics: A Comparative Study khadija ajabboune, Rabie Zine

SESSION 22 Online	Advanced Material Sciences Thursday 19, June 2025 15h30-17h30
CHAIRS	LAMIAE TALHA, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY LAMIAE MRHARRAB, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY HAMANE LEMZIOUKA, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/acy-fhqr-zfu
220	Electronic And Optical Properties Of Oligothiophenes And Their Applications In Organic Electronics El Ouardi Oumaima, Brahim Fakrach, Hassan Chadli, Rahmani Abdelhai
41	Electromechanical Coupling Analysis Of A Hollow Piezoelectric Resonator For Energy Harvesting Applications Hassna Khalfi, Zakaria Ech-Chaachoui, Rabab Raghib, Ismail.Naciri, Lahoucine Elmaimouni, Faniry Emilson Ratolojanahary, Abdelmajid Bybi
110	Tuning The Optoelectronic Properties Of Rock Salt Ba_2Xsbo_6 ($X = In, Sc$) Double Perovskite Oxides Via B-Site Cation Substitution Mouad Ben-Nana, Abderrahmane Abbassi, Benachir Elhadadi
112	Rb_2Xcl_6 ($X = Zr, Te, Pt$): Promising Materials For High-Temperature Thermoelectric Power Generation Mouad Ben-Nana, Abderrahmane Abbassi, Benachir Elhadadi
217	Spectroscopic And Piezoelectric Characterization Of Group 12 Diatomic Species: A Dft And Ccsd(T) Study Nabil Ezarfi , Adil Touimi Benjelloun , Mohammed Benzakour , Mohammed Mcharfi
353	Non-Locality And Quantum Coherence In Superconducting Qubits Chhieb Abdessamie , Chaimae Banouni , Mostafa Mansour , Mohamed Ouchrif
354	Thermal Entanglement And Coherence In A Twosuperconducting Charge Qubits Chaimae Banouni,Chhieb Abdessamie,Mostafa Mansour,Mohamed Ouchrif.
496	Predicting And Tracking The Onset Of Fatigue Cracks In S355 Steel Using The Probabilistic Approach Abdelilah Hachim, Amal Lamarti, Abdelkabar Bacha, Jamila Bouchgl, Khalid Elhad

SESSION 23 Online	IoT applications Thursday 19, June 2025 15h30-17h30
CHAIRS	MOHAMED BACHAR, ENSET OF MOHAMMEDIA RITAM DUTTA, POORNIMA INSTITUTE OF ENGINEERING AND TECHNOLOGY, JAIPUR, INDIA IMANE DBIBIH, IBN ZOHR UNIVERSITY
Meet Link	https://meet.google.com/gji-ejcq-qdn
46	A Comparative Study Between Solutions Proposed To Secure Iot Networks Mohamed Bachar, Azeddine Khiat, Ayoub Bahnasse
66	Advancing Vehicular Intelligence: A Comparative Study Of Iov And Adas Technologies Hamza El Yanboiy , Mohammed Chaman , Mohammed Bouabdellaoui , Youssef El Merabet
221	Wireless Sensor And Iot Precision Agriculture Abdelaziz El Yazidi, Mohamed Saad Azizi, Moulay Lahcen Hasnaoui Abdallah Rhattoy,
153	Tinyml-Based Facial Recognition For Embedded Systems Chaymae Yahyati, Ismail Lamaakal, Khalid El Makkaoui, Ibrahim Ouahbi, Yassine Maleh
442	Enhancing The Security Of Wireless Sensor Networks: Mitigating Wormhole Attacks Omar Zenzoum, Hatim Kharraz Aroussi, Yassine Rayri
147	Hybrid Edge-Based Intrusion Detection For Iot Using Adaptive Lightweight Svm With Dynamic Feature Pruning Rguibi Arjdal, Younes Asimi, Ahmed Asimi, Lahcen Oumous
328	Digital Twin Framework For Smart City Development: Systematic Review Zayneb Miraoui, Abdelkader Nasser, Mohcine Kodad
94	Keystream Generation Based On Linear Feedback Shift Registers Collaboration Lahcen Oumouss, Asimi Younes, Asimi Ahmed, Arjdal Rguibi

SESESSION 24 Online	Natural Language Processing II Thursday 19, June 2025 15h30-17h30
CHAIRS	MOHAMED BADIY, MOULAY ISMAIL UNIVERSITY NAWAL SAEL, HASSAN II UNIVERSITY
Meet Link	https://meet.google.com/amu-ihdm-cnf
258	The Influence Of Prompt Politeness On Response Quality In Large Language Models Taoufiq Zarra, Raddouane Chiheb
503	Natural Language Processing And Its Impact On Academics And On Student's Efficiency And Effectiveness Ayush Singh, Akash Singh, Dr. Hradesh Kumar
191	Advancing Route Optimization: Metaheuristic Approaches To The Traveling Salesman Problem Meryem Tobi, Nawal El Ghouate, Ahlam Laghlita, Mhamed Sayyouri
36	Natural Language Processing In Legal Practice: An Empirical Study On Contract Review And Risk Assessment Sarvagya Jha
145	A Compact N X 2 Descriptor Matrix For Efficient Binary Image Representation In Neural Networks El Kharrachi Khayya, Ahmed El Oirrak, Toufik Datsi
141	Data-to-Text Generation for Fair and Transparent Employee Evaluations: Methods, Challenges, and HR Applications Oumaima Belarache, Soumaya Ounacer, Mohamed Azzouazi
401	Fine-Tuning Pretrained Language Models For Automated Research Papers Classification Mohammed Mghari, Abdelilah Mhamedi, Abdelaaziz El Hibaoui
30	Advancing Amazigh Language Integration Into The Digital Era: New Technologies Of Transcription And Translation – A Narrative Review Assia El Motaoukel, Abdeslam El Harraj, And Soumia Ziti

SESSION 25 Online	Embedded systems, IoT and AI Thursday 19, June 2025 15h30-17h30
CHAIRS	SAID ECH-CHADI, CADI AYYAD UNIVERSITY EL JBARI MOHAMED, ABDELMALEK ESSAADI UNIVERSITY
Meet Link	https://meet.google.com/gvk-wugt-sqe
404	Memory Optimization Strategies For Real-Time Ecg Denoising On FPGA: A Dwt-Adtf Hybrid Architecture Hanane Elferdaoussi, Wissam Jenkal, Mostafa Laaboubi, Rachid Latif
224	A Comparative Study Of Parameter Identification Techniques For State-Of-Charge Estimation Using Extended Kalman Filter Rachid Latif, Rachid Amenzouy, Mostafa Laaboubi, Mohamed Bakhouya, Mohamed Abouzahir, Wissam Jenkal, Zakaria El Khadiri
39	The Iot Networks Intrusion Detection By Catboost Optimized With Altered Firefly Algorithm Katarina Milojkovic, Tamara Zivkovic, Miodrag Zivkovic, Petar Spalevic, Luka Jovanovic, Nebojsa Bacanin
313	Combining Generative Adversarial Networks With Modified Metaheuristic-Optimized Classifiers For Internet Of Things Security Aleksandar Petrovic, Luka Jovanovic, Tamara Zivkovic, Vico Zeljkovic, Miodrag Zivkovic, Nebojsa Bacanin
138	Development And Validation Of A Labview-Based Dosimetric Recalculation System To Reduce Systematic And Probabilistic Errors In Radiotherapy Hajar Rehioui, Morad El Kafhali, Khaoula YOUNOUS, Abdellah Rezzouk, Abdelaali Rahmouni
278	Study Of Irrigation Systems Based On Traditional And Modern Methods: The Case Of Onion - A Review Mass Gning, Doudou Dione, Demba Faye, Idy Diop
293	Real-Time Performance Evaluation Of A Matlab/Simulink-Based Residential Pv System Anca-Adriana Petcut-Lasc, Valentina Emilia Balas, Flavius-Maxim Petcut
256	Blockchain And Iot-Enabled Monitoring System Network For Distributed Hybrid Green Energy Using Federated Learning Partha Pratim Bhattacharjee, Chaitali Koley, Saibal Chatterjee

SESSION 26 Online	Intelligent System & Data Engineering Thursday 19, June 2025 15h30-17h30
CHAIRS	MOHAMMED MGHARI, ABDELMALEK ESSAADI UNIVERSITY SHERIN ELIYAS, HINDUSTAN INSTITUTE OF TECHNOLOGY & SCIENCE
Meet Link	https://meet.google.com/hec-ybeg-xrk
378	Design And Verification Of An Axi Slave Dut Using A Robust Axi Master Uvc For Enhanced Testing Balaji Ashok Raikar, Rekha S
129	Real-Time Vehicle Detection And Instance Segmentation For Adas Using The Yolov11-Seg Model: A Deep Learning Approach Mohammed Chaman, Anas El Maliki, Noura Jariri, Hamza El Yanboiy, Azzedine El Mrabet, Hamad Dahou, Hlou Laâmari, Abdelkader Hadjoudja
198	Enhancing Real-Time Performance: A Multithreaded Method For Fuzzy Timed Petri Net Modelling Abdelilah Serji, El Bekkaye Mermri, Mohammed Blej
143	Comparative Study Of Metaheuristic Algorithms On Small, Medium, And Large-Scale Instances Of The Traveling Salesman Problem Ahlam Laghlita, Hanaa Mansouri, Meryem Tobi, Mahmed Sayyouri
409	Constractive Multilabel Adaptation With Graph-Aware Transformers (Cmagt) Zakia Labd, Said Bahassine, Khalid Housni
300	Two Rotor Aerodynamical Systems: A Comparative Analysis Using Linear Arimax And Nonlinear Narx Identification Techniques Abdelmounaim Khallouq , Kenza Telbissi , Ali Margal , Asma Karama , Abderrazzak El Abdallaoui, Soukaina El Daoudi And Abdoulaziz Benbraim
233	From Agents To Sustainability: Charting The Evolution And Impact Of Multi-Agent Systems In Circular Supply Chain Management Boutayna Elghomri, Fayçal Messaoudi, Hamid Allaoui, Adnen El Amraoui
69	Traffic Sign Detection System Using Yolov11 Within Intelligent Transport Systems For Enhanced Adas Performance With Deep Learning Mohammed Chaman, Anas El Maliki, Hamza El Yanboiy ,Hamad Dahou, Hlou Laâmari, Abdelkader Hadjoudja

SESSION 27 Online	Blockchain Thursday 19, June 2025 15h30-17h30
CHAIRS	CHARIFA HANIN, NATIONAL INSTITUTE OF POSTS AND TELECOMMUNICATIONS SASANAPURI SRIWANTH, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY YOUNES ASIMI, IBN ZOHR UNIVERSITY
Meet Link	https://meet.google.com/uvx-rpiv-yqq
240	Development Of Geo-Blockchain Framework For Asset Management Of Government Domain In India Komal Patil, Dr. Shubhangi Neware, Dr. Anand Shakya
525	Applying Blockchain Technology To Memory Management And Data Analysis Using Artificial Intelligence And The Internet Of Things Aqeel Jabor , Maytham Jabor , Saif Alkhniab
484	Hybrid ML-Blockchain Intrusion Detection For Resilient Iot Networks Abdelilah Chahid; Yassine Znagui, Kamal El Guemmat; Sara Ouahabi , Khalifa Mansouri
113	Advancing Supply Chain Resilience: A Theoretical Framework Integrating Blockchain, Edi, And Business Intelligence Khadija El Fellah, Ikram El Azami And Adil El Makrani
133	Q-Learning-Based Power Allocation Strategy For Battery-Supercapacitor Hybrid Systems In Electric Vehicles Omar Enassiri, Elmehdi Benmalek ,Zytoune Ouadoudi
210	Binary Metal Oxide-Based Photocathodes For Green Hydrogen Production Via Water Photoelectrolysis: A Survey And Future Perspectives Khadija Ennouarya, Rida Allah Belakhmima, Mohamed Ebn Touhami
323	Blockchain-Based Food Traceability System To Ensure Food Security In Bangladesh Saber Hossen Rabbani, Md. Mijanur Rahman, Masroor Ahmad, Md Rezaul Karim Khan
185	Quantum-Resistant Blockchain For Secure Health Data Exchange In Post-Quantum Era Rihab Benaich, Saida El Mendili, Youssef Gahi

SESSION 28 Online	Renewable energy III Friday 20, June 2025 10h00-12h00
CHAIRS	FATIMA FERGANI, CADI AYYAD UNIVERSITY FATIMA EZ.ZAHRA LAMZOURI, CADI AYYAD UNIVERSITY ALI EL YAAKOUBI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/iux-dcts-zji
226	Multipurpose C To V Converter With Better Power Consumption And Speed Chukka Ramesh Babu, Dalli Tushar N M Reddy, Buddepu Hari Narayan, Guddala Kanaka Naga Chandu, Bhargav
168	Green Hydrogen As A Renewable Energy Vector: Technological Challenges And Policy Imperatives Driss Belkhiri, Mohamed Ajaamoum
71	A New Nineteen-Level H-Spuc Inverter With Reduced Power Electronics Components Taoufiq El Ansari, Ayoub El Gadari, Youssef Ounejjar
119	Performance Of An Induction Motor Drive System Under A Dc -Link Capacitor Short Circuit Ethmane Isselem Arbi, Mahmoud, Ahmed Abbou, Abdel Kader Mahmoud, Cheikh Oudaa
139	Power Flow Control Of A Micro Grid-Connected Photovoltaic System With A Variable Local Consumer Hind Mouheddani, Lhoussine Abaali
274	A Sar-Flash Hybrid Adc With Adaptive Sampling Yigit Can Ercetin, Mustafa Berke Yelten
298	Performance Assessment Of Metaheuristic Algorithms Applied For The Optimal Hybrid Renewable Energy Design: Zagora City As Case Study, Morocco Ali El Marzougui, Saida Bahsine, Aziz Oukennou, Fatima Ait Nouh, Lahcen Boukhattem
246	Numerical Analysis And Presentation Of The Interest Of Implementing Artificial Intelligence In A Green Hydrogen Generator Set Using Energy Efficiency Techniques Laince Pierre Moulebe, Abdelwahed Touati, Grace Malvine Moughoa B.N, Thierry B. Ekogo, Nabila Rabbah
542	Atomistic simulation of the growth and the annealing of TiNi thin film using the molecular dynamics method Mohamed Ait ichou

SESSION 29 Online	AI and Data Processing Friday 20, June 2025 10h00-12h00
CHAIRS	EL FAZAZY KHALID, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY BADREDDINE AGHOUTANE, MOULAY ISMAIL UNIVERSITY
Meet Link	https://meet.google.com/dcd-haiy-ckt
125	Integrating Ai And Iot For The Implementation Of Skin Cancer Detection In Hospital 4.0 Azzedine El Mrabet, Imam Alihamidi, Mohamed Benaly, Mohammed Chaman, Laamari Hlou, Rachid El Gouri
532	Machine Learning Ddos Attack Detection Based-On Transfer Learning With Multi-Layer Perceptron Abdelhak Mehadjbia, Fouad Slaoui Hasnaoui
294	Integrating Iomt And Ai For Real-Time Surgical Risk Assessment And Decision Support Fathia Ouakasse, Afaf Mosaif
92	Dvancements In Machine Learning-Based Intrusion Detection In Iomt: Research Trends And Challenges Yahya Rbah, Mohammed Mahfoudi, Mohammed Fattah, Younes Balboul, Said Mazer, And Moulhime Elbekkali.
187	Ai In The Age Of Scientific Saturation: A Survey Of How Llms Rediscover The Obvious Ha Viet Thang, Truong Loi Vi
386	Human Face Generation From Text Description And Sketch Using Gans And Transformers Iliass Igmoullan, Abdessamad Elboushaki, Hassan El Bahi, Rachida Hannane
392	Ai As A Catalyst For Expanding Csr: The Case Of Moroccan Entreprises Hana Anouar, Tarik Kasbaoui

SESSION 30 Online	Convolutional Neural Networks Friday 20, June 2025 10h00-12h00
CHAIRS	SUPRIYA ASHOK PATIL, PCCE DRISS BELKHIRI, IBN ZOHR UNIVERSITY
Meet Link	https://meet.google.com/too-nzzx-wir
170	A Hybrid Cnn-Lstm Approach For Classifying Cattle Behavior Using Accelerometer Data Khalid El Moutaouakil, Nouredine Falih
88	Optimizing Wind Speed Prediction: A Critical Comparison Of Advanced Neural Network Architectures Sara Fennane, Houda Kacimi, Hamza Mabchour, Fatehi Altalqi, Adil Echchelh
193	Hybrid Deep Neural Network Combining Cnn, Bilstm, And Gru For Heart Sound Classification I. Ait Ichou, S. Elouaham, J. Isknan
267	Boosting Arabic Ocr Performance With Multi-Head Self-Attention In An End-To-End Cnn-Bilstm Deep Learning Pipeline Bounour Imane, Khaissidi Ghizlane, Mrabti Mostafa , Ammour Alae
441	Neural Networks And Support Vector Regression Models To Evaluate Energy Efficiency-Noise Reduction Coefficient Correlation Rachid Lagtayi, Lamya Lairgi, Yassir Lairgi, Ahmed Khouya, Abdelmajid Daya
136	Artificial Neural Network Control Strategy For Wind Energy Conversion System Abdelfattah Dani, Zineb Mekrini, Mhamed El Mrabet, Mohammed Boulaala
439	Object-Based Knowledge Representation, A Key Component Of Informational Intelligence Mohammed Ibrahimi, Bouchra Debbagh

SESSION 31 Online	Data Sciences II Friday 20, June 2025 10h00-12h00
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PROGRAM – 2025 IEEE International Conference on Circuit, Systems and Communication, june 19-20, 2025, Fez, Morocco

CHAIRS	KODAD MOHCINE, MOHAMMED FIRST UNIVERSITY SILVIA KOSTOVA, THE D.A. TSENOV ACADEMY OF ECONOMICS
Meet Link	https://meet.google.com/vvn-kqhr-urb
363	Storytelling In Social Media From People, Process, Technology Framework: Systematic Literature Review Sander Limpah, Ferdianto
84	Workplace Learning And Organizational Behavior: The Role Of Information And Communication Technologies In Moroccan Banks Abdelaziz Berdi, El Massaoudi El Mahdi, El Hammoumi Ahmed, Nabil Seghyar, Meriem Rachid
44	Education Enhanced: Impact Of Immersive Technologies On Teaching And Learning Outcomes Zakaria Izouaouen, Nassim Kharmoum, Soumia Ziti
381	Albinism Detection: Leveraging Light Weight Machine Learning For Diagnosis And Prediction R.Roselinkiruba,S.Reshma Sri Lokeshwaran.S,B.Charitha, Sharmila L, M.Misba
403	From Traditional To Deep Learning Methods For Baby Cry Audio Signal Classification: A Systematic Literature Review Ghanjaoui Meriyem ,Daaif Abdelaziz , Elyoussfi Mohamed
150	Fake News Detection Using Adaboost And J48 Classifiers Achraf Ibnouzaher , Nouredine Mounkine
450	Artificial Intelligence And Morocco's Education System: A Strategic Tool For Enhancing Public Management And Institutional Performance Samia Jirari, Mustapha Khiati, Asmaa Mabchour Mabchour, Elbachir Ouboujema, Baite Mohammed, Ouafa Elomari And Tanane Omar
537	Evaluating The Effectiveness Of Smart Environment In Distance Learning: A Pls-Sem Approach Abdelaziz Benkhalifa , Mohcine Kodad, Hajar Chafik

SESSION 32 Online	Data Sciences III Friday 20, June 2025 10h00-12h00
CHAIRS	ZAHRAA TALIB, KARBALA UNIVERSITY

PROGRAM – 2025 IEEE International Conference on Circuit, Systems and Communication, june 19-20, 2025, Fez, Morocco

	YOUSRA GHAZAOU, MOULAY ISMAIL UNIVERSITY
Meet Link	https://meet.google.com/bie-bapr-fjr
188	A Comparative Study Of Deep Learning Models For Sentiment Analysis In Online Learning Environments Raja Ouadad, Hicham Mouncif
126	Explainable Ai For Skin Cancer Classification: Unlocking Insights With Grad-Cam And Grad-Cam++ Azzedine El Mrabet, Imam Alihamidi, Mohamed Benaly, Bouchra Kouach, Laamari Hlou, Rachid El Gouri
171	A Hybrid Deep Learning Framework For Personalized Mooc Recommendations Es-Said Boulmane, Hasna Mahmoud, Mohamed Badouch, Omar Zioudi, Mehdi Boutaounte
498	Fine-Grained Crop Disease Segmentation And Severity Estimation Using A Real-Time Yolov9-Unet Pipeline Houda Orchi, Mohamed Sadik, Mohammed Khaldoun
339	Comprehensive Survey On Deep Learning-Based Advances In One-Stage Object Detection Oussama Hmidani, El Mehdi Ismaili Alaoui
341	A New Framework Based On Fog Computing And Edge Ai To Increase The Reliability Of Predictive Maintenance Of Rotating Machines Said Ech-Chadi, Mohamed Azihar Zaid, Youness Ech Chadi
95	Indian Equity Mutual Fund Performance Evaluation And Ranking Using Genetic Algorithm - Optimized Multi-Factor Scoring System Sayhan Ali , Arsh Chowhan, Anish Rane, Aldrich Arthur Amaral, Fiona Perpetual Coutinho , Dr. Supriya A. Patil, Sukanya Dessai
428	Digital Twin : An Innovative Antenna Optimization Technology Narjis Tazari ,Karima Meziane , Srifi Mohamed Nabil , Younes Karfa , Bekali

SESSION 33 Online	Healthcare sector Friday 20, June 2025 10h00-12h00
CHAIRS	LHOUSSAINE EL MEZOUARY, UNIVERSITY MOHAMMED VI POLYTECHNIC ABDELAALI RAHMOUNI, SIDI MOHAMMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/wzw-jdsa-zvu
68	The Integration Of Artificial Intelligence As A Lever For Employability: Issues And Perspectives – Systematic Literature Review Sophia Rais, Sanae El Maliki
317	The Impact Of Artificial Intelligence Tools On The Competitive Intelligence Process: A Systematic Literature Review Ahmed Elkaabi, Anass Mamouny, Mina Elmaallam
394	Crop Disease Detection And Classification Using Attentionresnet50 Siddhi Pharande, Prof. Poonam Deokar, Rohan More, Rohit Oganiya
91	Ai-Driven Financial Guidance: Bridging The Gender Gap In Economic Empowerment Korukonda L. K. M. Prem Chand, V. Shri Monesh, Lekshmi R. R.
400	Alternative Conceptions In Electrochemistry Among Moroccan Baccalaureate Students: Psychometric Analysis And Educational Implications Issam Habibi , Abdelrhani Elachqar , Fatiha Kaddari
245	Ehr: Patient Electronic Health Records Using Blockchain Security Framework Mr.Md Anwar Ali, M.Sudeep Kumar, K.Abhinav Reddy, K.Naveen, G.Chandra Sekhar
471	The Logistical And Financial Determinants Of The Stock Market Resilience Of Moroccan Listed Companies In The Face Of Economic And Geopolitical Shocks : Towards An Integrated Strategy For Managing Global Performance Nabil Arzou, Ferroud Abderhaim, Miloudi Kobiyh, Bentoumia Salma, Ali Hebaz, Mchich Hamza, Marouane Mkik

SESSION 34 Online	Data science and Education Friday 20, June 2025 10h00-12h00
CHAIRS	SOUAD TOUAIRI, SULTAN MOULAY SLIMANE UNIVERSITY YOUNESS KHOURLIFI, HASSAN I UNIVERSITY
Meet Link	https://meet.google.com/icf-tggj-shp
135	Generative Ai For Education: A Study Of Text-To-Video Generation For Personalized Learning Salma Hannouni, El Habib Benlahmar, Sanaa El Filali
347	Artificial Intelligence And Morocco's Education System: A Strategic Tool For Enhancing Public Management And Institutional Performance Mustapha Khiati , Samia Jirari, Sara Aissa, Ouafa Elomari, Elbachir Ouboujemaa, Boussif Ali, Mohamed Baite
495	Machine Learning For Academic Decision Support In Higher Education Zineb Sabri, My Abdelouahed Sabri, Ali Yahyaoui, Hicham Aberbach, Abdellah Aarab
512	A Data Science Approach To Analyzing Students' Conceptions Of Electron Potential Energy Fatima Rahioui, Bilal Aghoutane, Mohammed El Ghzaoui, Ali El Alami
326	Automated Generation Of Personalized Evaluation Subjects In Higher Education Abdelmajid El Hajoui, Otmane Yazidi Alaoui, Omar El Kharki, Hakim Boulaassal, Miriam Wahbi , Mustapha Maatouk
469	An Optimization Approach For Complex Problems Based On Woa And Awoa Khadija Rahioui, El Mallahi Mostafa, Amal Zouhri
335	The Role Of Privacy And Consumer Trust On Consumer Behaviour In Ecommerce In Indonesia Daniel Yosia Arbi And Anderes Gui

SESSION 35 Online	Deep Learning Applications Friday 20, June 2025 10h00-12h00
CHAIRS	JAWAD OUBAHA, MOHAMMED PREMIER UNIVERSITY RYM NASSIH, MOHAMMADIA SCHOOL OF ENGINEERS
Meet link	https://meet.google.com/uyi-wrnw-urg
195	Enhancing Medical Image Diagnosis With Interpretability: An Ensembled Deep Learning Model For Chest Cancer Classification Md Maruf Rahman, Md Samiul Alam Mazumder, Md Ruhul Amin, Md Mozammel Hoque, Anna Tamuly, Md. Imran Joy
196	Kidney Disease Classification Using Deep Learning And Model Interpretability Anna Tamuly, Md Maruf Rahman, Jahid Hasan, Md. Imran Joy, Md Ruhul Amin, Md Mozammel
199	Interpretable Deep Learning For Pneumonia Detection In Chest X-Rays Using Explainable Ai Md Samiul Alam Mazumder, Md Mozammel Hoque, Md Maruf Rahman, Anna Tamuly, Md. Imran Joy, Md Ruhul Amin
371	Sparce Harmonic Filter Based-On Hybrid Dictionary Learning For Power Systems Resilience Mahamat Ahmat Mahamat, Fouad Slaoui Hasnaoui, Teukam Dabou Raoult
416	Predicting Infant Mortality Using Machine Learning Chelsea Ogbedeagu, Kent Tran, Kanika Sood
449	A New Predictive Maintenance System Based On The Lstm Model : Case Study Of Motor Production Line Zaineb Zoubaidi, Brahim Herrou, Souhail Sekkat
425	Minimizing Student Failure With Machine Learning In Computer Science And Engineering Classes Kanika Sood, Sachin Lodhi, Rakesh Mahto
427	Real-Time State Of Health Prediction Of Lithium Ion Batteries Based On Deep Neural Networks Hind El Ouazzani, Ibtissam El Hassani, Tawfik Masrour

Online Abstract

SESSION 36
Online

Material Sciences
Friday 20, June 2025 10h00-12h00

PROGRAM – 2025 IEEE International Conference on Circuit, Systems and Communication, June 19-20, 2025, Fez, Morocco

CHAIRS	AHMED SALI, SIDI MOHAMED BEN ABDELLAH UNIVERSITY RODOUAN TOUTI, SIDI MOHAMED BEN ABDELLAH UNIVERSITY EL BASSET ABDELHALIM, SIDI MOHAMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/gnc-ricb-bmd
368	Electric Field Effects On The Optoelectronic Propeties Of Semimagnetic Double Quantum Wells Hamza Azmi, Amine Mazouz, Kamal El-Bakkari, Mohammed Jaouane, Abdelghani Fakkahi, Ayoub Ed-Dahmouny, Reda Arraoui, Ahmed Sali
421	Ba1-X Cu X Ti Ceramics: Assessing Structural, Microstructural, Morphology, And Dielectric Properties For Electronics Application Zouhir El Khalafi , A. El Basset , F. Abdi , T. Lamcharfi , M. Ahabboud , L.E.Omari
374	Optoelectronic Properties Of Cubic Halide Perovskites For Photovoltaic Applications Khalid Said, Fatima Zahra Znaki, Jihane Znaki, Souad Elkhatabi
331	The Influence Of The Exchange Interaction Between The Molybdenum Atoms On The Magnetic Properties Of The Sr2crmo6 Double Perovskite: A Monte Carlo Simulation Mariam El Hamri, Omar El Rhazouani, El Bouazzaoui Choubabi, Nabil Hachem, Fatima Majid, Rachid Houça
336	Optimizing The Performance Of A Prism-Coupled Spr Biosensor Using A Gold-Silver Alloy, Zinc Oxide, And Graphene Innocent Kadaleka Phiri , Mohssin Zekriti
385	Optoelectronic Behavior Of Semiconductor Nanostructures: A Gateway To Advanced Photonic Applications A. Fakkahi, H. Azmi, K. El-Bakkari, M. Jaouane, A. Mazouz, A. Ed-Dahmouny, R. Arraoui, A. Sali
127	Evaluation Of Monte Carlo Simulations For Radial Dose Function In Hdr Brachytherapy Sources: A Comparative Review Of Mcnp, Egs And Geant4 Tayeb Bouhafra, Morad El Kafhali, Abdellah Rezzouk, Abdelaali Rahmouni

SESSION 37 Online	Telecoms Friday 20, June 2025 10h00-12h00
CHAIRS	SAID EL KHALDI, ABDELMALEK ESSAADI UNIVERSITY HMAMOU ABDELMOUNIM, SIDI MOHAMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/vqn-buxu-xbp
444	Predictive Modeling Of Material Frequency Response Using Machine Learning Narjis Tazari , Mohamed Nabil Srifi , Karima Meziane , Younes Karfa Bakali
93	Modelling The Effects Of Induced Birefringence In The Soa For Application In Optical Telecommunications Systems Elyamani Abdenbi, Lachguer Amina, Moumen Abdelkarim, Zatni Abdelkarim
447	6g, Extreme Massive Mimo, Antenna Technologies, Interference Management, Channel Estimation, Hardware Scalability, Intelligent Surfaces, Future Wireless Networks. Karima Meziane , Younes Karfa Bekali , Narjis Tazari ,Srifi Mohamed Nabil
151	Linear And Nonlinear Effects On Optical Fiber Communication Systems: A Split-Step Fourier Method Study Brahim Lamine, Driss Mgharaz
542	Atomistic Simulation Of The Growth And The Annealing Of Tini Thin Film Using The Molecular Dynamics Method Mohamed Ait Ichou, Hassane Mes-Adi, Khalid Saadouni
75	Study And Simulation Of A High Speed Wavelength Division Multiplexing Optical Transmission System Using Optisystem Software. Lachguer Amina,Elyamani Abdenbi, Zatni Abdelkarim, Moumen Abdelkarim
358	Sustainable Total Productive Maintenance (Stpm) In Industry 4.0: A Critical Analysis Of Conceptual Limitations, Technological Challenges, And Implementation Barriers Bouzaabita Ahlam, Herrou Brahim
375	Resilience Of Moroccan Supply Chains: Theoretical Foundations Of The Impact Of Collaborative Capabilities On Operational Performance Latifa Khouz

SESSION 38 Online	Intelligent System & Data Engineering Friday 20, June 2025 10h00-12h00
CHAIRS	MOURAD YESSEF, SIDI MOHAMED BEN ABDELLAH UNIVERSITY HAMZA EL HAFDAOUI, AL AKHAWAYN UNIVERSITY
Meet Link	https://meet.google.com/omj-oaya-ibb
504	Digital Marketing And E-Reputation In The Hotel Industry: A Literature Review On The Role Of Social Media Soukaina Bouzerda, Mounia Cherkaoui
524	Analysis Of Current Artificial Intelligence (Ai) Skills Among Science Teachers Asmae Boukarai, Samiha Ben Fares, Khalid Elkhatabi
482	The Impact Of Artificial Intelligence On Customer Engagement : A Systematic Literature Review Oumayma Khouja, Youssef El Hassani
528	Ai And Nanotechnology In Medicine: Enhancing Diagnosis, Treatment, And Personalized Monitoring Zineb Boubekri, Manar Jallal, Zineb Serhier, Mohammed Bennani Othmani
184	Is AI Dominating Digital Advertising? Bouhlal Hind , Belahcen Nouredine
355	Misbehavior Detection In Vanet Using Machine Learning For Internal Attacks Mourad Benmenssour, Ouadoudi Zytoune
467	Ai, Nowcasting, And The Ethics Of Predictive Marketing Nada Nassouh, Abla Berrada
486	From Assistance To Autonomy: Generative Ai In The Hands Of Physics Learners Oumaima Tafhi,Khalid El Khatabi,Brahim El Fadil

SESSION 39 Online	Renewable energy and control Friday 20, June 2025 10h00-12h00
CHAIRS	RADOUANE ELBAHJAOU, SIDI MOHAMED BEN ABDELLAH UNIVERSITY MALIKA AHABBOUD , SIDI MOHAMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/jfu-mcxz-owc
389	Photoionization Cross Section Of Donor Impurity In Cdse/Cds Dot-In-Rod Nanostructure: A Finite Element Approach Mohammed Jaouane, Abdelghani Fakkahi, Reda Arraoui, Ayoub Ed-Dahmouny, Hamza Azmi, Amine Mazouz, Kamal El-Bakkari, Mohammed Jaafar, Ahmed Sali
419	Sliding Mode Control With Artificial Intelligence For Enhanced Performance In Dc Microgrids Yassine Ait Jillali, Hassan El Fadil, Abdellah Lassioui
337	Maximizing Energy Efficiency In Wsns Using Ai Approaches : A Taxonomy And Critical Study Imane Dbibih, Imad Iala
308	A Review Of Predictive Control Strategies For Electric Vehicle Drive Motors Chiboub Mohamed, Bossoufi Badre
472	Influence Of Polaronic Mass And Band Nonparabolicity On Donor Binding Energy In A Multiquantum Dot System Reda Arraoui, Mohammed Jaouane, Ayoub Ed-Dahmouny, Hamza Azmi, Abdelghani Fakkahi, Ahmed Sali
27	Benchmarking Mppt Techniques:A Comparative Analysis For Optimized Photovoltaic Harvesting Maroua Bouksaim
534	Ga-Based Pid Control Optimization For Wheeled Mobile Robot In Simscape Multibody. Hamid Bezzout, Bilal Aghoutane, Hanan El Faylali
130	A Comprehensive Review Of Mppt Algorithms For Photovoltaic Systems: Performance Evaluation Under Diverse Environmental Conditions Fatima Boumrit, A.Moumen, A.Zatni, A.Elyamani

SESSION 40 Online	Data science and Education Friday 20, June 2025 10h00-12h00
CHAIRS	LAMIA ELJADIRI, HASSAN II UNIVERSITY HAMID BEZZOUT, IBN TOUFIAL UNIVERSITY
Meet Link	https://meet.google.com/cbp-qkxz-tfr
128	Optimization And Evaluation Of Ionizing Radiation Doses Delivered To Patients In Medical Imaging Mayssae Touil, Zouhir Saga, Abdellah Rezzouk, Abdelaali Rahmouni.
319	Trout Byproducts: An Efficient Alternative For Methane And Biofertilizer Production Fatima Essalhi, Ayoub Essadak, Rachid Bengueddour
332	Mobile Usage And Patient Data Confidentiality In Medical Training Amal Barkouk, Manar Jallal, Zineb Serhier, Mohammed Bennani Othmani
118	User Experience Study Of The Rosetta Stone Platform Among Education Bachelor's Students Learning French Ahlame Sehlaoui, Ahmed Oujak
55	The Chatgpt Application And Perspective In Higher Education: A User-Friendly Analysis And Comprehensive Examination Arbër Beshiri, Dorinë Rakaj
510	The Impact Of Genai On Critical Thinking In Education Nouha Belayachi, Manar Jallal, Zineb Serhier, Mohammed Bennani Othmani
513	Interactive Video To Innovate Physics Education Through Historical Controversy In The Digital Age Fouzia Elouazzani, Benjelloun Nadia
149	Integrated Internal Dosimetry And Ai-Based Risk Prediction In ¹⁸ F-Fdg Pet/Ct Imaging: A Monte Carlo And Mird-Based Framework For Post-Treatment Nor El Houda Baghous, Morad El Kafhali, Chakir El Mahjoub

SESSION 41 Online	Smart Systems Friday 20, June 2025 10h00-12h00
CHAIRS	OUAFAE ELALAOUY, MOULAY ISMAIL UNIVERSITY FATIMA RAHIOUI, SIDI MOHAMED BEN ABDELLAH UNIVERSITY RACHID AHFIR, SIDI MOHAMED BEN ABDELLAH UNIVERSITY
Meet Link	https://meet.google.com/fjb-dtop-mds
466	Cloud Erp In Emerging Economies: A Conceptual Model For Adoption In Moroccan Enterprises Loubna Hazem, Wafae Nada Nejjar
134	Design Of A Compact Bandpass Filter Using End-Coupled Half-Wavelength Microstrip Resonators For 5g Applications Kenza Ait Ali Ouaddi, A.Zatni, A.Moumen, A.Elyamani
357	Commissioning Of A Treatment Planification System For Stereotactic Radiotherapy (Srt), Stereotactic Radiosurgery (Srs) And Stereotactic Body Radiotherapy (Sbrt). 1st Jihane Baba, 2nd Morad El Kafhali, 3rd Fatimazahra Er-Rahaoui, 4th Rajaa Sebihi.
43	Thermal Assessment Of Ecological Building Materials: A Computational And Experimental Approach Zaineb Mehdaoui, Housaame Limami
96	Comparative Analysis Of Pwm Techniques For A 9-Level Modular Multilevel Converter (Mmc) Jamila Kaztar, Azeddine Mouhsen, Abdelhadi Radouane.
132	Fpga Deployment Of A Quantized Cnn Model For Object Detection Using Hls4ml Noura Jariri, Mohammed Chaman, Rania Majdoubi, Abdelkader Hadjoudja
477	When Ai Enters Education: Understanding Future Teachers' Acceptance Through Tam 3 Echantoufi Nouredine, Fakhra Hamza, Lamrabet Mohammed, El Khattabi Khalid



***2025 International Conference on Circuit, Systems and Communication
(ICCSC 2025)***

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Contacts:

Prof. EL GHZAOUI Mohammed chairman@iccsc.info

Dr. AGHOUTANE bilal admin@iccsc.info