3rd International Conference on Mathematical Modeling and Computational Science [ICMMCS 2023]

(Technically co-sponsored by Springer Proceedings)

(24-25th February 2023)

Jointly Organized by

Society for Intelligent Systems and Mother Teresa Women's University, Madurai, Tamilnadu [NAAC "A" Accredited Govt. University in Tamilnadu]

https://icmmcs.in/

https://intellisys-society.org/

ICMMCS – 2023 Conference Agenda		
24th February 2023 [Friday] OFFLINE MODE		
[Venue: Mother Teresa Women's University Research and Extension Centre, Madurai, India		
25th February 2023 [Saturday] ONLINE MODE		
09:50 AM – 10:00 AM [IST]	Inviting the Guests to the Platform	
	National Anthem	

[IST]= Indian Standard Time

24ᴛʜ February 2023 [Friday]
OFFLINE MODE

11.00 am – 12.00 pm : Inaugural Function

Welcome Address

Dr. M.Pushpa Rani

Programme Chair & Convenor

Presidential Address

Dr. K.Kala

Vice Chancellor,

Mother Teresa Women's University

Inaugural Address

Dr. B.Sheela

Registrar

Mother Teresa Women's University

Chief Guest Address

Prof. Sir Bashiru Aremu

Vice Chancellor

Crown University Intl.Chartered Inc

Santa Cruz in Argentina, Americas & Ghana

Dr.K.Sarukesi

Former Vice - Chancellor

Hindustan University, Chennai

Professor & Head (Rtd)
Bharathiar University,
Coimbatore

Special Address

Dr.G.Arumugam

Former Registrar i/c
Senior Professor & Head (Rtd)
Department of Computer Science
Madurai Kamaraj University
Madurai

Dr. Souvik Pal

Associate Professor
Department of Computer Science & Engineering
Sister Nivedita University
(Techno India Group) New Town,
Kolkata, India

Vote of Thanks

Dr. D.Akila

Professor, Department of Computer Applications,
Saveetha College of Liberal Arts and Sciences, SIMATS Deemed University
Chennai

12.00 pm – 12.15 pm : Tea Break

12.15 pm - 1.15 pm   : **Technical Session 1**

                                        Dr. Bennet

                                        Director

                                        Academic and Research,

                                        Aditanar College of Arts and Science,

                                        Tiruchandur

1.15 pm – 2.00 pm   : Lunch Break

2.00 pm – 3.00 pm   : Paper Presentation

3.30 pm – 4.30 pm   : **Technical Session 2**

                                        Dr. B.Indrani

                                        Assistant Professor and Head

                                        Department of Computer Science

                                        Madurai kamaraj University, Madurai

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END OF DAY 1

25ᴛʜ February 2023 [Saturday]
ONLINE MODE

Sl. No.	Activity	Time [IST] (Indian Standard Time)	Online Link
01	**2nd day Conference Inaugural**	**09:50 AM – 10.00 AM [IST]**	https://meet.google.com/cpp-yrqo-vjn
02	**Address by General chair Dr. Sheng Lung Peng,** National Taipei University of Business, Taiwan		
03	**Keynote – 01** Prof. Ts. Dr. Saravanan Muthaiyah, Department of Information Technology, Multimedia University, Malaysia	10:00 AM – 10: 20 **[IST]**	
04	**Plenary Talk** Dr. Alok Satsangi Director, NSHM Knowledge Campus Durgapur, India	10:20 AM – 10: 25 **[IST]**	
05	**Photo Session 10: 25AM – 10. 30 AM [IST]**	**All are requested to Join for Photo Session (With Camera ON)**	
06	**Technical Session (Parallel Session 1)**	10:30 AM – 01:00 PM **[IST]**	https://meet.google.com/cpp-yrqo-vjn
07	**Technical Session (Parallel Session 2)**	10:30 AM – 01:00 PM **[IST]**	https://meet.google.com/kss-wkjb-aik
08	**Lunch**	01.00 PM – 02.00 PM [IST]	
09	**Keynote – 02** Prof. Farshad Badie Berlin School of Business and Innovation, Berlin, Germany	02.00 PM – 02.20 PM [IST]	https://meet.google.com/kss-wkjb-aik
10	**Keynote – 03** Prof. Dr. Sayan Kumar Ray, School of Computer Science, Taylor's University, Malaysia	2.20 PM – 02.40 PM [IST]	
11	**Technical Session (Parallel Session 3)**	02:45 PM – 4:00 PM **[IST]**	
12	**Technical Session (Parallel Session 4)**	04:00 PM – 5:45 PM **[IST]**	

Session-wise Google Meet Link

S/No	Session Details	Google Meet
1	**Inaugural**	**ICMMCS 2023 Inauguration** **Saturday, February 25** **Google Meet joining info** **Video call link: https://meet.google.com/cpp-yrqo-vjn**
2	**Session 1**	**ICMMCS 2023 Inauguration and Track I** **Saturday, February 25** **Google Meet joining info** **Video call link: https://meet.google.com/cpp-yrqo-vjn**
3	**Session 2**	**ICMMCS 2023 Track II** **Saturday, 25 February** **Google Meet joining info** **Video call link: https://meet.google.com/kss-wkjb-aik**
4	**Session 3**	**ICMMCS 2023 Track III** **Saturday, 25 February** **Google Meet joining info** **Video call link: https://meet.google.com/kss-wkjb-aik**
4	**Session 4**	**ICMMCS 2023 Track IV** **Saturday, 25 February** **Google Meet joining info** **Video call link: https://meet.google.com/kss-wkjb-aik**

Technical Session 1: 10:30 AM – 01:00 PM [IST]

Sl. No.	Paper ID	Final Paper Title	Name of the Paper Presenter	Session Chair
1	6267	Neuro-Fuzzy logic application in speech recognition	KHUSBHU CHOURASHIA	Dr. S. Vimala Dr. S. Jeyalaksshmi Dr. Nguyen Ha Huy Cuong
2	3462	Boundary element method for water wave interaction with semi-circular porous wave barriers placed over stepped seabed.	SANTANU KUMAR DASH	
3	3503	A STUDY ON DIFFERENT FUZZY IMAGE ENHANCEMENT TECHNIQUES	LALIT KUMAR NARAYAN	
4	9136	A Review on Different Image Enhancement Techniques	LALIT KUMAR NARAYAN	
5	5753	APPLICATION OF DIFFERENTIAL TRANSFORM METHOD FOR SOLVING SOME CLASSES OF SINGULAR INTEGRAL EQUATIONS	SUBHABRATA MONDAL	
6	3301	Wave scattering by thin multiple bottom standing vertical porous walls in water of uniform finite depth	BIMAN SARKAR	
7	7070	On Density of Grid Points in l∞-Balls	NILANJANA G. BASU	
8	6177	Study of SEIRV Epidemic Model in Infected Individuals in Imprecise Environment	ASHISH ACHARYA	
9	6719	Study of a Fuzzy Prey Predator Harvested Model: Generalized Hukuhara Derivative Approach	BALARAM MANNA	
10	6004	The scenario of COVID-19 pandemic in Brazil using SEIR epidemic model	SUBRATA PAUL	
11	1232	FOSTERING STEM EDUCATION COMPETENCY FOR ELEMENTARY EDUCATION STUDENTS AT UNIVERSITIES OF PEDAGOGY IN VIETNAM	MINH TUAN DANG	
12	5579	TRAINING ELEMENTARY TEACHERS IN VIETNAM BY BLENED LEARNING MODEL	MINH TUAN DANG	
13	1032	Mobile learning integration into teaching kinematics topic in English in Vietnam high school	PHAM THI HAI YEN	
14	7281	GeoGebra-assisted Teaching of Rotation in Geometric Problem Solving	NGUYEN HOANG VU	
15	1197	A COMPARATIVE STUDY OF MASI STOCK EXCHANGE INDEX PREDICTION USING NONLINEAR SETAR, MS-AR AND ARTIFICIAL NEURONES NETWORK MODELS	SAOUDI YOUNESS	

Technical Session 2: 10:30 AM – 01:00 PM [IST]

Sl. No.	Paper ID	Final Paper Title	Name of the Paper Presenter	Session Chair
1	3111	Cryptocurrency and Application of Blockchain Technology: An Innovative Perspective	CHETAN TRIVEDI	
2	4715	Detailed Review of Challenges in Cloud Computing	SNEHA RAINA	
3	5829	Blockchain-based Healthcare Research with Security Features that can be applied to Protect Patient Medical Records	MAHFUZUL HUDA	
4	151	An Image Enhancement Algorithm for Autonomous Underwater Vehicles: A Novel Approach	MAHFUZUL HUDA	
5	3287	Interval Neutrosophic Multicriteria Decision Making by TODIM Method	NAJIHAH CHAINI	
6	5547	Speech Synthesis with Image Recognition Using Application of CNN and RNN	DIBYENDU MUKHERJEE	
7	4226	Application of big data in banking - a predictive analysis on bank loans	SAURABH BANERJEE	
8	6863	Hand Gesture Recognition: A Review	SHEFALI PARIHAR	Dr. K. Kavitha Dr. V.R. Elangovan Dr. Ton Quang Cuong
9	5910	Ensuring Energy Efficiency using AI and Nudge Theory to Reach Sustainable Development Goals: A Research Framework	ANASTASIOS FOUNTIS AND ANASTASIA KIRITSI	
10	5044	MODELLING THE FEASIBILITY OF USING FUEL CELLS IN MARINE APPLICATIONS	ANASTASIA KIRITSI, VASILEIOS ADAMANTIDIS AND ANASTASIOS FOUNTIS	
11	8307	Overview of Applications of Artificial Intelligence methods in Propulsion Efficiency Optimization in LNG fueled ships	ANASTASIA KIRITSI AND ANASTASIOS FOUNTIS	
12	9674	ARTIFICIAL INTELLIGENCE USE IN MARITIME AND PORTS INDUSTRY AS SMART MULTIMODAL HUBS - EMERGING TRENDS	ANASTASIA KIRITSI, VASILEIOS ADAMANTIDIS AND ANASTASIOS FOUNTIS	
13	4302	Co-opetition Reloaded	ANASTASIOS FOUNTIS	

Sl. No.	Paper ID	Final Paper Title	Name of the Paper Presenter	Session Chair
14	3336	Artificial intelligence (AI) in Education – Current trendsTRENDS	ANASTASIOS FOUNTIS AND CHRISTOS LEMONAKIS	
15	3129	A Machine Learning Model for Predicting Covid-19	LAWRENCE IBEH AND SULEKHA MOHAMUD	

Technical Session 3: 02:45 PM – 04:00 PM [IST]

Sl. No.	Paper ID	Final Paper Title	Name of the Paper Presenter	Session Chair
1	2986	Breast cancer detection using hybrid segmentation using FOA and FCM clustering	SOUVIK PAL	
2	8356	Big Data Analytics: Hybrid classification in Brain Image using BSO and SVM	SOUVIK PAL	
3	3769	YouTube sentimental analysis using combined approach of KNN and K-means clustering Algorithm	S. JEYALAKSSHMI	
4	9465	Hybrid Optimization using CC and PSO in cryptography encryption for medical images	AKILA D	
5	1085	Thyroid disease prediction using a novel Classification enhancing MLP and Random Forest Algorithms	AKILA D	Dr. B. Sarkar Dr. Kusum Yadav Dr. Jarnail Singh
6	2015	Throughput Performance Analysis of DL-MU-MIMO for the IEEE802.11ac Wireless LAN	Ziyad Khalaf Farej	
7	2023	Performance Validation and Hardware Implementation of a BLE Mesh Network by Using ESP-32 Board	Ziyad Khalaf Farej	
8	4515	Type II Exponentiated class of distributions: The Inverse Generalized Gamma model case	Salah H. Abid	
9	2545	Doubly truncated type II Exponentiated Generalized Gamma distribution	Salah H. Abid	
10	NA			

Technical Session 4: 04:00 PM – 05:45 PM [IST]

Sl. No.	Paper ID	Final Paper Title	Name of the Paper Presenter	Session Chair
1	3202	BeautifyAI: IoT Smart Waste Bin System	Sumathi Balakrishnan	Dr. Midhunchakkaravarthy Janarthanan Dr. Mathiyalagan Kalidass
2	2005	Blockchain based E-Medical Data Storage for Privacy Protection	Suja A. Alex	
3	3004	Efficient Cluster Based Routing Protocol In VANET	Hafsah Ikram	
4	1487	IoT-Enabled Smart Warehousing with AMR Robots and Blockchain: A Comprehensive Approach to Efficiency and Safety	Sumathi Balakrishnan	
5	6214	Crops-Link's Smart Agriculture IoT System for Remote Monitoring	Sumathi Balakrishnan	
6	4685	Laplace Transformation of Eigen Maps of Locally Preserving Projection (LE-LPP) Technique and Time Complexity	Soobia Saeed	
7	1548	A Systematic Literature Review of How to Treat Cognitive Psychology with Artificial Intelligence	Soobia Saeed	
8	1550	Ldetect, IoT Based Pothole Detector	Sumathi Balakrishnan	
9	1658	Pandai Smart Highway	Sumathi Balakrishnan	
10	4587	The Development of an IoT System with a smart-stick at its core	Sumathi Balakrishnan	
11.	1542	Proposing a Model to Enhance the IoMT-based EHR Storage System Security	N.Z Jhanjhi	
12.	1561	Synthetic Crime Scene Generation using Deep Generative Networks	N.Z Jhanjhi	