



 **ISFSEA 2025 – Day 1 Program Schedule / Morning**

Format: **Online** | Time Zone: **UTC**

Date: **Monday, May 5, 2025**

URL: https://www.skyroom.online/ch/conf_isfsea/main-room/l/en

UTC Time	Session	Details
04:30 – 04:40	Opening Ceremony	Welcome by Conference Chair: Introduction to conference themes and goals
04:40 – 05:00	Keynote Speech #1	Professor Luis Martínez López
05:00 – 05:10	Q&A	–
05:10 – 05:30	Keynote Speech #2	Professor Florentin Smarandache
05:30 – 05:40	Q&A	–
05:40 – 06:00	Break	–

Panel 1

https://skyroom.online/ch/conf_isfsea/room1/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Saeid Jafari Host: Dr. Mohsen Imeni (panell1@conf.isfsea.com)	
Panel Title Neutrosophic and SuperHyper Topologies and Their Applications			
Code	Author(s)	Paper Title	Time (UTC)
123	Ramachandran	Neutrosophic Sober Open Sets: An Overview	06:00 - 06:10
144	PRASAD	On preserving neutrosophic GPR-closed sets	06:15 - 06:25
219	Vijaya Shanthi et al.	Neuro Topological Space	06:30 - 06:40
339	Al-Hamido	On Neutrosophic Crisp Soft Separation Axioms	06:45 - 06:55
220	Lin	Variable Precision Fuzzy Rough Sets	07:00 - 07:10
209	Berri	More on neutrosophic topological spaces	07:15 - 07:25
284	Mano Shankari	Underwater Fish Detection using Type-2 Fuzzy and Rough Sets for Improved Bounding Box Reliability in Turbid Environments	07:30 - 07:40
263	Aini et al.	An Algebraic Composition Operator on Intuitionistic Fuzzy Soft Set Evaluations for Multi-Evaluator Decision-Making	07:45 - 07:55
324	Kumar et al.	Introduction to Intuitionistic Anti-Fuzzy Linear Space and Anti-Fuzzy Algebra over an Anti-Fuzzy Field	08:00 - 08:10

Panel 2

https://skyroom.online/ch/conf_isfsea/room2/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Madeleine Al-Tahan Host: Dr. Javad Pourqasem (panel2@conf.isfsea.com)	
Panel Title Fuzzification of Algebraic Structures and Hypercompositional Algebra			
Code	Author(s)	Paper Title	Time (UTC)
96	Melaku et al.	Hesitant Fuzzy Pseudo ideal of a Pseudo TM-algebra	06:00 - 06:10
101	Hořková-Mayerová et al.	Some properties of antiideals and bi-antiideals of semigroups	06:15 - 06:25
106	Prasertpong	Fuzzy Semibipolar Soft Congruences on Groupoids	06:30 - 06:40
116	Venkatesan	Tripolar Fuzzy Ideals in CV-algebra	06:45 - 06:55
141	Binu R	Representation Theory of Neutrosophic G-submodules	07:00 - 07:10
150	Barakat	The Fuzzy Action of Group on a Set	07:15 - 07:25
290	Buvaneswari et al.	Splitting Operation on Fuzzy Graphic Matroid	07:30 - 07:40
210	Saravanakumar et al	Intuitionistic Fuzzy Contra $G\delta - e^*$ -Locally Continuous Framework for Secure UPI Transactions under Network Uncertainty	07:45 - 07:55
270	Dr.V.Saravanan et al.	A Study on Lower Level Subsets of a Neutrosophic Anti-Fuzzy Subsemiring of a Semiring	08:00 - 08:10
272	Irawanto et al.	Seminear-Ring Ideals Constructed from Triangular Fuzzy Numbers	08:15 - 08:25
293	SUBASHINI et al	Theorem of Fixed Points in Fuzzy 3-Metric Space	08:30 - 08:40
323	Kumar et al.	A Characterization of Picture fuzzy linear space and Picture fuzzy algebra over a Picture fuzzy field	08:45 - 08:55

113	ADEBISI	The computational results of fuzzy subgroups of nilpotent finite (p-groups) involving multiple sums	09:00 - 09:10
128	KAVITHA et al.	Finite Dimensional Intuitionistic Hesitant Fuzzy Normed Linear Space	09:15 - 09:25
166	Al-Kaseasbeh	Prime-Sum Bi-Antiideal Graphs of Semigroups	09:30 - 09:40

Panel 3

https://skyroom.online/ch/conf_isfsea/room3/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Dutta Host: Mrs. Hosseinpourian (panel3@conf.isfsea.com)	
<p>Panel Title</p> <h2>Hyperbolic Fuzzy Sets (HyFS) and Their Applications in Modern Decision-Making Challenges</h2>			
Code	Author(s)	Paper Title	Time (UTC)
58	Rajbonshi	Cryptocurrency Investment Decision-Making: A Hyperbolic Fuzzy MCDM Approach	06:00 - 06:10
65	Nidhi Agarwal	Assessing Medical Waste Treatment Technique based on Hyperbolic fuzzy EM-SWARA with COPRAS and ARAS Approaches	06:15 - 06:25
69	ABHILASH KANGSHA BANIK	A novel separation measure based on hyperbolic fuzzy environment and its application in crime linkage	06:30 - 06:40
70	Dutta	Exploring Hyperbolic Fuzzy Sets: A Comprehensive Approach to Uncertainty in Decision Analysis	06:45 - 06:55
80	Talukdar	Uncertainty Modeling Through Similarity Measure Under Intuitionistic Fuzzy Environment and Its Application in Decision Making	07:00 - 07:10
78	KONWAR et al.	A HyF-WASPAS Method based on Similarity Measure to Access Renewable Energy Technologies	07:15 - 07:25
208	Deepak Kumar Sah et al.	A General Implicit Finite Difference Scheme for Solving Intuitionistic Fuzzy Hyperbolic Partial Differential Equation	07:30 - 07:40
307	Molawade et al.	Fuzzy Graph-Based Decision Support Systems for Disaster Management	07:45 - 07:55
204	Filippone et al.	Applicative Judgement Aggregation for Fuzzy Ontologies by using MCGDM	08:00 - 08:10
86	Jana	Prediction of HIV Patients in Connecticut Using Higher-Order Spherical Fuzzy Sets Based Forecasting Methodology	08:15 - 08:25

153	Rajendran et al.	Blockchain for Sustainable Computing: Energy-Efficient Strategies and Environmental Impact Assessment	08:30 - 08:40
340	Bouraima et al.	Unlocking Growth in African Freight Forwarding: Tackling Key Challenges through Multi-Criteria Decision-Making	08:45 - 08:55

Panel 4

https://skyroom.online/ch/conf_isfsea/room4/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Wajahat Host: Mrs. Parandavar (panel4@conf.isfsea.com)	
<p>Panel Title</p> <h3>Fuzzy and Neutrosophic Systems and Their Applications in Engineering and Operations Research</h3>			
Code	Author(s)	Paper Title	Time (UTC)
114	Nabeel et al.	A solution of Mathematical Multi-Objective Green Transportation Problems Under the Fermatean Fuzzy Environment	08:00 - 08:10
117	Sadia	Integer Programming Problems with Fermatean fuzzy Parameters Using NAZ-Cut	08:15 - 08:25
118	Saad et al.	A Fuzzy Programming-Based Framework for Enhancing Cybersecurity in Healthcare Systems under Uncertain Environments	08:30 - 08:40
119	Sheihan Javaid	Deep Learning-Based Segmentation for Land Management Using Satellite Imagery	08:45 - 08:55
120	Ayedh et al.	AI and Fuzzy Logic-Based Framework for Climate Change Adaptation and Environmental Resilience in Yemen	09:00 - 09:10
154	Akbar et al.	Digital Twin and Metaverse Integration for Predictive Traffic Management in Malaysian Smart Cities: A Fuzzy Multi-Criteria Decision-Making Approach	09:15 - 09:25
262	Chakrapani	Neutrosophic switch graphs, Neutrosophic reversal switch graphs and Reversal neutrosophic reactive graphs	09:30 - 09:40
183	Baranwal et al.	Solving Fully Fuzzy Rough Interval Integer Transshipment Problems: A New Approach for Efficient Decision-Making	09:45 - 09:55
229	Adak et al.	Real Life Application of Fermatean Fuzzy Sets	10:00 - 10:10
249	Harishree et al.	A Neural Perceptron Framework for Tackling Intuitionistic Fuzzy Linguistic MAGDM Complexities	10:15 - 10:25
280	Nayak	Optimized Crop Yield Prediction Using Intuitionistic-Type2 Fuzzy Extensions with XGBoost	10:30 - 10:40

105	Ullah et al.	Linguistic Term Sets for Probabilistic Hesitant Pythagorean Decision Making with Multiple Attributes	10:45 - 10:55
121	Badi	Weak Domestic Production and Its Impact on Freight Transport Demand: A Fuzzy MCDM Analysis	11:00 - 11:10
306	Mitul Dutta et al.	Fuzzy Graph Theory in Healthcare Management: Optimizing Patient Flow and Resource Allocation	11:15 - 11:25
334	Kumar et al.	Fuzzy Graph Theory in Transportation Networks: Enhancing Traffic Flow and Route Planning	11:30 - 11:40

Panel 5

https://skyroom.online/ch/conf_isfsea/room5/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Kshitish Host: Ms. Jourbonyan (panel5@conf.isfsea.com)	
<p>Panel Title</p> <p>Parametric and Non-Parametric Models in Fuzzy and Extended Fuzzy Environments: Analytical Perspectives and Applications</p>			
Code	Author(s)	Paper Title	Time (UTC)
55	Akhand Pratap Shukla et al.	Proactive Cybersecurity in the Digital Age: The Role of Big Data Analytics	08:00 - 08:10
103	BEHERA	A Fuzzy Inventory Model for Perishable Products under Demand Uncertainty and Carbon Sensitivity	08:15 - 08:25
107	Behera et al.	Sustainable Inventory Systems: A Carbon-Inclusive Analytical Approach for Emission-Sensitive Logistics	08:30 - 08:40
161	Awasthi	Bridging AI And Cryptography for Robust Security	08:45 - 08:55
172	Mohanta et al.	Fuzzy Regression Model to Assess the Rainfall Variability Trend in Kalahandi, Odisha: Leveraging 100 Years of Data for Trend Robustness and Predictive Accuracy	09:00 - 09:10
189	Pati et al.	Project Scheduling in Uncertain Environments: An Intuitionistic Fuzzy Approach to Solve CPM	09:15 - 09:25
261	Rana et al.	A DEA-Based Efficiency Analysis of Odisha's Healthcare System: Measuring District-Level Healthcare Performance and Identifying Best Practices	09:30 - 09:40
264	Dash et al.	Enhancing Project Scheduling with Neutrosophic Sets: New Solution Approaches for Solving Neutrosophic CPM / PERT	09:45 - 09:55
299	Rana et al.	Measuring the Agricultural Performance and Ranking of the District of Odisha using Data Envelopment Analysis	10:00 - 10:10
92	Shateri et al.	Cost, revenue and profit efficiency evaluation in downstream petrochemical industries with data envelopment analysis approach w	10:15 - 10:25

328	Dominguez Wade	Measurement And Control of Insolvency and Inefficiency Risks	10:30 - 10:40
109	Korucuk et al.	Quantitative analysis in prioritizing elements for efficient logistics strategies: A Case Study in Eskişehir	10:45 - 10:55
170	John Robinson	Neuro-Fuzzy Synergy: Intuitionistic Fuzzy-based Learning for Smarter Decisions	11:00 - 11:10
310	Karpe et al.	Fuzzy Graph-Based Models for Supply Chain Management: Improving Efficiency and Resilience	11:15 - 11:25
316	Ujjwala Sachin Patil et al.	Fuzzy Graph Theory in Telecommunications: Optimizing Network Performance and Reliability	11:30 - 11:40

 **ISFSEA 2025 – Day 1 Program Schedule / Afternoon**

Format: **Online** | Time Zone: **UTC**

Date: **Monday, May 5, 2025**

URL: https://www.skyroom.online/ch/conf_isfsea/main-room/l/en

UTC Time	Session	Details
10:30 – 10:40	Opening	Fuzzy Video Clip
10:40 – 10:55	Keynote Speech #1	Professor José Luis Verdegay
10:55 – 11:10	Q&A	–
11:15 – 11:40	Keynote Speech #2	Professor Saeid Jafari
11:40 – 11:55	Q&A	–

Panel 6

https://skyroom.online/ch/conf_isfsea/room6/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Kannan Host: Mrs. Najaf (panel6@conf.isfsea.com)	
<p>Panel Title</p> <h3>Secure Coding: The Role of Diophantine Equations in Cryptography</h3>			
Code	Author(s)	Paper Title	Time (UTC)
181	AL. Yakavi et al.	IP Domination Number of Graphs	12:00 - 12:10
192	M. SANTHOSH PRIYA et al.	Enclave Domination Number of Graphs	12:15 - 12:25
255	Mahalakshmi et al	Isosceles Trapeziod with Integer Area: Cryptographic Applications of Generalized Pell-Type Equations and Sphenic Numbers	12:30 - 12:40
259	Bindu V. A	Elliptic Curve Cryptography for Bitcoin Security	12:45 - 12:55
165	Ramanujan Primes and Negative Pell's Equation	Ramanujan Primes and Negative Pell's Equation	13:00 - 13:10
111	Zaiba Jabeen Syed	Enhancing Online Resume Selection Efficiency through Natural Language Understanding in Cloud	13:15 - 13:25
260	Rajendran et al.	HEALTH-DRL: Hierarchical Emergency Access and Low-Latency Transfer Hub with Deep Reinforcement Learning for $O(\sum_{i=1}^n w_i)$ Service Optimization	13:30 - 13:40

Panel 7

https://skyroom.online/ch/conf_isfsea/room7/l/en

Date: Monday, May 5, 2025		Panel Chairs: Dr. Nivetha Martin Host: Ms. Aynaz (panel7@conf.isfsea.com)	
<p>Panel Title</p> <h3>Fuzzy Decisioning Models – Optimizing Industrial Challenges</h3>			
Code	Author(s)	Paper Title	Time (UTC)
66	Karthiga Rani. P	Revolutionizing Multi-Criteria Decision-Making with Neutrosophic Fuzzy Normal M-subgroup	12:00 - 12:10
67	N.Bhuvaneswari	Fuzzy Social Network Analysis in Industry Academic Collaborations	12:15 - 12:25
71	SUNDARI J D	Enhancing Industrial Decision-Making: The Role of Plithogenic Fuzzy M-Group Models	12:30 - 12:40
74	Nivetha Martin	Turiyam Cognitive Maps in Optimal Industrial Decisioning	12:45 - 12:55
75	P Sathya; Nivetha Martin	Introduction To Plithogenic Rhotrix in Industrial Decisioning	13:00 - 13:10
76	Theeba	Optimization of Green E Commerce Inventory Model with Pentagonal Neutrosophic Numbers	13:15 - 13:25
81	Angel et al	Generalized Plithogenic Cognitive Maps in Decisioning	13:30 - 13:40
124	Martin et al.	Turiyam Topsis In Multi-Criteria Decision Making	13:45 - 13:55
218	Angel et al.	Interval-Valued Plithogenic Cognitive Maps in Decision Making	14:00 - 14:10
225	Moradi et al.	Smart Energy Management in Homes Using Fuzzy Logic	14:15 - 14:25
296	Dr. Sheeja Krishnakumar et al.	Foresight Strategies for STI-Driven Climate Resilience in India	14:30 - 14:40
315	Akshata Snehal Patil et al.	Fuzzy Graph Models for Urban Planning and Smart City Development	14:45 - 14:55
336	TYAGI et al.	Optimizing inventory management in the automotive industry: A comparative study of crisp and fuzzy systems	15:00 - 15:10

186	Yadav	Prioritizing Sustainable City Factors: A Generative AI-Driven Fermatean Fuzzy Prioritization Framework	15:15 - 15:25
241	Mohanaselvi & Priyadharshini	Neutral aggregation operator-based complex neutrosophic PSI-FUCA and PSI-PIV group decision-making method	15:30 - 15:40

 **ISFSEA 2025 – Day 2 Program Schedule**

Format: **Online** | Time Zone: **UTC**

Date: **Tuesday, May 6, 2025**

URL: https://www.skyroom.online/ch/conf_isfsea/main-room/l/en

UTC Time	Session	Details
05:00 – 05:10	Ceremony	Fuzzy Video Clip
05:10 – 05:30	Keynote Speech	Professor Giorgio Nordo
05:30 – 05:40	Q&A	–
05:40 – 06:00	Break	–

Panel 8

https://skyroom.online/ch/conf_isfsea/room8/l/en

Date: Tuesday, May 6, 2025

Panel Chairs: Dr. Manju Somanath
Host: Mrs. Kazemi (panel8@conf.isfsea.com)

Panel Title

Solving the Unsolvable: Advances in Diophantine Equations and Their Uses

Code	Author(s)	Paper Title	Time (UTC)
151	RADHIKA DAS	Polynomial solutions of quadratic Diophantine equation	06:00 - 06:10
162	Anupreethi T	Non-extendable Rational Diophantine 3-tuples Comprising Polynomials and Special Figurate Numbers	06:15 - 06:25
167	Bindu V. A	Solutions of Pell's equation involving left truncated Primes	06:30 - 06:40
194	Mahalakshmi & Kannan & Deepshika	Investigating d-Negative Pebble Triangles over Special Numbers	06:45 - 06:55
292	Dr. V. Krithika	A Study on Ternary Quadratic Diophantine Equation	07:00 - 07:10

Panel 9

https://skyroom.online/ch/conf_isfsea/room9/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Kavikumar Jacob Host: Ms. Jourbonyan (panel9@conf.isfsea.com)	
Panel Title Fuzzy Decision-Making in Complex Systems: A Mathematical Modelling Approach			
Code	Author(s)	Paper Title	Time (UTC)
57	R. Narmada Devi et al.	Smart Solutions for Obesity: A Neutrosophic Fuzzy Approach to Weight Reduction Strategies in India Using FUCOM-TOPSIS	06:00 - 06:10
90	ALI et al.	A Solution of Multi-Level Multi-Objective Optimization Models for Solid Transportation Problems under Fuzzy Environments	06:15 - 06:25
173	Dormishi et al.	Reducing computational time in data envelopment analysis (DEA and FDEA) for large-scale decision-making units	06:30 - 06:40
295	Gupta et al.	A Medical Diagnosis of Cataract Using Intuitionistic Fuzzy Sets	06:45 - 06:55
139	ADEBISI	The projection and utilization of neutrosophic algebra for decision-making processes	07:00 - 07:10
171	Jesintha Rosline & Aruna	A Comparative Study of MCDM Approaches: Exploring the Influence of Additional Parameters in Mathematics	07:15 - 07:25
287	Bora et al.	A Fuzzy Multi-Criteria Decision-making Approach for Student Academic Performance Evaluation	07:30 - 07:40
309	Gaikwad et al.	Fuzzy Graph Theory in Environmental Monitoring: Modeling and Analyzing Ecosystems	07:45 - 07:55
330	Terna et al.	An innovative q-rung orthopair fuzzy distance metric approach and its application to energy source selection problem	08:00 - 08:10
246	Kumar et al.	A Comparison of Neutrosophic and Intuitionistic Fuzzy Sets for Use in Decision-Making	08:15 - 08:25

258	Radha et al.	Quadripartitioned Single Valued Neutrosophic Refined Resolvable and Irresolvable Spaces	08:30 - 08:40
326	GARAI	MCDM on Purulia water resource management under trapezoidal fuzzy environment	08:45 - 08:55

Panel 10

https://skyroom.online/ch/conf_isfsea/room10/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Maikel Leyva Host: Ms. Ebrahimzadeh (panel10@conf.isfsea.com)	
<p>Panel Title</p> <h3>Applications of Fuzzy and Neutrosophy Methods in the Analysis of Complex Social Phenomena</h3>			
Code	Author(s)	Paper Title	Time (UTC)
51	Parthiban	Application of Neutrosophic Over Soft Orbit Topological Spaces in Basketball Team Player Selection	06:00 - 06:10
198	Abdullah et al.	Prioritizing Climate Change Contributing Factors via the VIKOR Method under Q-Rung Orthopair Fuzzy Environment	06:15 - 06:25
243	Bharathi et al.	PSI-FUCA and PSI-PIV method for multi-attribute group decision making using single-valued neutrosophic neutrality aggregation operator	06:30 - 06:40
102	Karamaşa et al.	Determining the Importance Level of Sustainable Innovation Applications via Hesitant AHP: An Application on Food Firms	06:45 - 06:55
320	Mendoza Zenozain	Corporate Social Responsibility from Neutrosophic and N- alectics: Evolutionary Analysis and Strategic Impact (2015-2025)	07:00 - 07:10
190	faghidian	Enhancing Strategic Management for Resilient Supply Chains in Construction Industry 4.0: A Fuzzy EDAS Methodology	07:15 - 07:25
214	Soltani et al.	Fresh perspectives from TVP-VAR model: Interconnections between climate risk components and energy markets	07:30 - 07:40
247	Wilson Arul Prakash S et al.	Ann-Magdm Problem Solving with Spectral Theory-Based Weight Determination Methods	07:45 - 07:55
321	Cevallos-Torres et al.	Post-Seismic Structural Damage Impact on Chronic Disease Patients: A Heuristic-Fuzzy Analysis	08:00 - 08:10
322	Parrales-Bravo et al.	Neutrosophic Random Forest for Soil Fertility Prediction with Uncertainty Quantification	08:15 - 08:25

311	Badhiye et al.	Applications of Fuzzy Graph Theory in Social Network Analysis: Enhancing Community Detection	08:30 - 08:40
93	Mojtaba Nasehi	Advanced Applications of Fuzzy Systems and Computational Intelligence in Decision-Support Systems	08:45 - 08:55
97	Saqlain	From Foundations to Frontiers: Half a Century of Fuzzy Logic Research in Iran	09:00 - 09:10
157	Saraswathi Appasamy	A Trapezoidal Fuzzy TOPSIS Method for Solving Decision-Making Problems Under Uncertainty	09:15 - 09:25
91	Das	An innovative machine learning algorithm using neutrosophic soft sets for water resource management	09:30 - 09:40

Panel 11

https://skyroom.online/ch/conf_isfsea/room11/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Said Broumi Host: Mr. Rahimi (panel11@conf.isfsea.com)	
Panel Title Neutrosophic Set-Based Data Mining			
Code	Author(s)	Paper Title	Time (UTC)
68	Lim Sai	Hybrid Cosine-Jaccard Similarity Measure for Neutrosophic Set	08:00 - 08:10
200	A.S. Ashwinth Jeffrey et al.	Influence of uncertain nanoparticle volume fractions on energy and mass transport in Maxwell Hybrid nanofluid flow under Electro-MHD-osmotic effects	08:15 - 08:25
202	B. Amudha et al.	Fuzzy Modeling of Ternary Hybrid Nanofluid (Cu+Al ₂ O ₃ +MWCNT/H ₂ O) flow under shape effects over a wedge	08:30 - 08:40
231	P. Srinath et al.	Fuzzy Status Unequal Domination in Fuzzy Graphs	08:45 - 08:55
294	Gnana Sambandam	Dissemination Index in Fuzzy Network	09:00 - 09:10
215	Buvaneswari and Senbaga Priya	Spectra of Fuzzy Graphs Under Graph Operations in Protein-Protein Interaction Networks	09:15 - 09:25
230	Talebi	On the Temperature Indices of Fuzzy Graphs and their Application for QSPR analysis on Autism drugs	09:30 - 09:40
244	Karpaha and Robinson	Intuitionistic Fuzzy Hybrid Data Mining-MAGDM Approach Using Correlated Aggregation for Solving Complex Decision Problems	09:45 - 09:55
269	Divya and Jesintha Rosline	CERTAIN NOTIONS OF ENERGY IN FERMATEAN QUADRIPARTITIONED NEUTROSOPHIC FUZZY GRAPH	10:00 - 10:10
256	Nagapriya C N et al.	Fuzzy-tuned PI speed control with agent integration for terrain-aware mobile robots in mine detection and exploration	10:15 - 10:25
303	Akey et al.	AquaTherapy: An AI-Enabled Underwater Robotic System for Precision Hydrotherapy with Deep Learning-Based Motion Analysis	10:30 - 10:40
317	Gurpur et al.	Fuzzy Graph Theory in Legal Networks: Analyzing Case Law and Judicial Decisions	10:45 - 10:55

312	Aparna Annaso Patil et al.	Fuzzy Graph Approaches to Cybersecurity: Detecting and Mitigating Network Threats	11:00 - 11:10
206	Reena Mahapatra Lenka et al.	Applications of Fuzzy Graphs in Financial Networks: Risk Assessment and Management	11:15 - 11:25
351	Bikram et al.	Enhancing E-commerce Platforms with Fuzzy Graph Theory: Personalization and Recommendation Systems	11:30 – 11:45

Panel 12

https://skyroom.online/ch/conf_isfsea/room12/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Saikat Gochhait Host: Ms. Saeedi (panel12@conf.isfsea.com)	
<p>Panel Title</p> <h3>Emotion Recognition from Brain Data Using Neutrosophic Decision System</h3>			
Code	Author(s)	Paper Title	Time (UTC)
164	Raghavendran et al.	Application of Solving Fractional Integro Differential Equations for Emotion Detection in Neuroscience	08:00 - 08:10
177	Ansarullah et al.	Machine Learning-Driven IoT in Healthcare: Applications, Challenges, and Future Directions	08:15 - 08:25
178	Ansarullah et al.	Optimizing Employee Performance Metrics: A Machine Learning-Based Decision Support System	08:30 - 08:40
179	Ansarullah et al.	Leveraging Business Intelligence and Data-Driven Decision-Making: The Role of Information, Communication, and Computing Technologies in Organizational Success	08:45 - 08:55
216	Alshalan et al.	Proposed Fuzzy System for Diabetes Diagnosis	09:00 - 09:10
286	Tejaswi et al.	YOLOv8 Dual Stage: A Robust Two-Stage Framework for Vehicle and License Plate Detection Under Adverse Conditions	09:15 - 09:25
331	Vrioni et al.	Some new q-rung orthopair fuzzy distance techniques and their application to medical Analysis based on decision-making methods	09:30 - 09:40
335	Vijayalakshmi et al.	Smart GIR Cow's Disease Prediction & Supporting System Using Artificial Intelligence	09:45 - 09:55
89	Soumen Santra et al.	Machine Learning and Fuzzy Logic Enhanced Computational Model for Cancer Detection with Metastasis Risk Reduction	10:00 - 10:10
337	Nazari et al.	A Novel Deep-Fuzzy Architecture for Real-Time Action Recognition	10:15 - 10:25
115	Dasig	A Fuzzy Set-Based Context-Aware Decision Framework for Histopathological Image Classification in Tumor Microarrays	10:30 - 10:40

271	Rajendran et al.	SUVS: Smart Underwater Vision System with Adaptive Deep Learning for Marine Ecosystem Monitoring	10:45 - 10:55
274	Rajendran et al.	SMART-FARM: A Deep Learning-Enhanced IoT Framework for Precision Agriculture with Adaptive Resource Optimization Factor η	11:00 - 11:10
325	Terna et al.	Some new q-rung orthopair fuzzy distance techniques and their application to medical Analysis based on decision-making methods	11:15 - 11:25
343	Vijayalakshmi et al.	AI-Integrated Smart Chair for Personalised Health, Comfort, and Well-being in Sedentary Work Environments	11:30 - 11:40
344	Agarwal et al.	A Comprehensive Survey to Enhance Face Spoofing Attack Detection via Ensemble Learning	11:45 – 12:00

Panel 13

https://skyroom.online/ch/conf_isfsea/room13/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Nafei Host: Dr. Javad Pourqasem (panel13@conf.isfsea.com)	
<p>Panel Title</p> <h3>Fuzzy Sets and Their Extensions in Decision-Making and Optimization: Applications to Management and Industrial Engineering</h3>			
Code	Author(s)	Paper Title	Time (UTC)
88	Dinesh et al	Optimizing Industrial Geothermal Energy Solutions Using a Hesitant Bipolar Fuzzy MCDM Approach Enhanced by Dombi Operators	11:00 - 11:10
187	Nandhini C et al.	Some Statistical Tools on Intuitionistic Fuzzy Threshold Hypergraphs	11:15 - 11:25
188	Keerthika R et al.	Task Completion and Allocation of Task Assignment to Multi-Tasking Robots using IFk-PHG	11:30 - 11:40
239	Rawat et al.	q-Rung Orthopair Fuzzy Group Decision Making based on Archimedean Hamy Mean Operator	11:45 - 11:55
64	Şura Toptancı; Çağlar Karamaşa	Prioritization of the Dimensions Affecting the Surgical Cognitive Workload Using the Fuzzy Multi-Criteria Decision-Making Method	12:00 - 12:10
133	Singanamalla	Energy-Efficient Image Compression for Wireless Sensor Networks Using Fuzzy	12:15 - 12:25
138	Bressane	Hybrid Physics-Informed Fuzzy Machine Learning for Predicting the Settling Velocity of Fractal Aggregates in Water Treatment Systems	12:30 - 12:40
152	Anbarzadeh et al.	Integrating Machine Learning Algorithms for Surface Property Optimization of Dental Implants Treated with SLA+Anodizing	12:45 - 12:55
155	Tsai et al.	Reducing Food Waste in Vietnam's Food Service Sector: A Grey Theory-Based Analysis of Critical Factor	13:00 - 13:10
266	Panigrahi et al.	An Inexact Line Search FQNDFP Algorithm to Investigation Uncertain Optimization Problems	13:15 - 13:25
73	Saikia	A New Algorithm for Finding Optimal Solution of q-Rung Orthopair Fuzzy Transportation Problem	13:30 - 13:40

77	Talukdar	Uncertainty Modeling Through Similarity Measure Under Intuitionistic Fuzzy Environment and Its Application in Decision Making Problems	13:45 - 13:55
327	Kulkarni et al.	Utilizing Fuzzy Graphs for Smart Grid Optimization and Energy Distribution	14:00 - 14:10
140	Sahoo	An Integrated Fuzzy Decision-Making Model for Sustainable Supplier Selection in the Manufacturing Industry	14:15 - 14:25
348	Kumar et al.	SolFlora: Solar-Powered Smart Pot with Predictive Modeling for Optimal Indoor Plant Care	

Panel 14

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Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Nguyen Host: Mrs. Parandavar (panel14@conf.isfsea.com)	
<p>Panel Title</p> <h3>Fuzzy Logic and Neutrosophic Sets in VUCA-Driven Markets</h3>			
Code	Author(s)	Paper Title	Time (UTC)
184	Nguyen et al.	Towards Sustainable Tourism: Utilizing Fuzzy AHP-TOPSIS Approach for Green Hotel Selection	11:00 - 11:10
185	Nguyen et al.	Optimizing Market Entry in Emerging Economies: DEA and Neutrosophic-Z MCDM Approach for Chinese Oil & Gas Equipment Manufacturers	11:15 - 11:25
195	Nguyen et al.	A Neutrosophic Causality Analysis for Critical Success Factors of Humanitarian Logistics Management during Disaster	11:30 - 11:40
196	Nguyen et al.	Modeling Investor Trust in Supply Chain Finance: A Three-Stage MCDM Model-Based Neutrosophic Sets	11:45 - 11:55
197	Nguyen et al.	Assessing Stakeholder Preferences in Carbon Credit Systems with Neutrosophic DELPHI and DEMATEL	12:00 - 12:10
217	Nguyen et al.	Analyzing ESG Barriers Using Neutrosophic Delphi - DEMATEL Model	12:15 - 12:25
245	Nguyen et al.	Neutrosophic Z-Number Analytic Hierarchy Process: A Framework for Enhanced Group Decision-Making Under Uncertainty	12:30 - 12:40
213	Kaddachi and Benzina	A Principal Components Analysis: Exploring the Asymmetric Relationship Between Governance and Economic Growth	12:45 - 12:55
228	Singh et al.	AI Ethics Governance and Privacy in a Rapidly Advancing Digital World	13:00 - 13:10
234	Dubey et al.	Chi-Square Statistics in Business Research: Enhancing Decision Making Through Hypothesis Testing	13:15 - 13:25
298	Anish et al.	Block-chain-based Document Verification System	13:30 - 13:40

104	Ullah et al.	Evaluating Potential Products for the Consumer Electronics Market Using Multi-Criteria Decision-Making in a Complex Intuitionistic	13:45 - 13:55
282	Ahangari et al.	Enhancing Generative Adversarial Networks with Structural Similarity Index and Fuzzy Logic-Based Loss Functions (SSIM_T)	14:00 - 14:10

Panel 15

https://skyroom.online/ch/conf_isfsea/room15/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Nagarajan Deivanayagampillai Host: Ms. Kaveh (panel15@conf.isfsea.com)	
<p>Panel Title</p> <h3>Advances in Soft Computing – Innovations in Decision-Making</h3>			
Code	Author(s)	Paper Title	Time (UTC)
136	Mohanapriya et al.	Video Class-Incremental Learning for Action Recognition	11:00 - 11:10
137	Baranwal et al.	Optimizing Vehicle Routing Problem by An Improved Ant Colony Optimization Model	11:15 - 11:25
223	Moradi et al.	Identifying user interest using fuzzy logic	11:30 - 11:40
329	khoshghadam et al.	A hybrid machine learning and optimization approach for efficient blood supply chain planning under uncertainty	11:45 - 11:55
338	Tyagi	Strategic Inventory Management and Optimization Under Economic Uncertainty: A Fuzzy and Crisp Modelling Framework	12:00 - 12:10
313	Olasina et al.	Fuzzy-Enhanced Lightweight CNNs for Culturally Relevant Food Classification: Advancing Assistive Technology for Visually Impaired Nigerians	12:15 - 12:25
275	Babu et al.	SIEFC: A Hybrid Swarm Intelligence Framework for Fuzzy Clustering of High-Dimensional	12:30 - 12:40
279	Nair et al.	Intelligent Medical Image Fusion Using Fuzzy Rule-Based Systems and Hybrid Optimization	12:45 - 12:55
281	Babu et al.	Shadowed Sets for Feature Selection in High-Dimensional Biomedical Data Analysis	13:00 - 13:10
283	Nair et al.	Quantum-Inspired Fuzzy Time Series for High-Accuracy Forecasting of Solar Energy Generation	13:15 - 13:25
285	Tina Babu et al.	Q-Rung Orthopair Fuzzy Modeling of Soil-Climate-Actuator Interactions for Crop Yield Efficiency Assessment using IoT-Enabled Agricultural Data	13:30 - 13:40
145	Biswas et al.	Challenges of Social Entrepreneurship in Industry 5.0: A Soft Computing Approach	13:45 - 13:55

289	Rajendran et al.	An AI-Driven Multi-Modal Sensing Framework for Precision Agriculture: Enhancing Crop Yield Through Deep Learning and IoT	14:00 - 14:10
297	Rajendran et al.	SARO: Space-Air Resource Orchestration Using Deep Reinforcement Learning for Resilient Satellite-Aerial Networks	14:15 - 14:25
300	Akey et al.	COSMOS: Deep Learning-Powered Collaborative Space Operations and Maintenance Simulator for Immersive Astronaut Training	14:30 - 14:40
346	Vijayalakshmi et al.	Computer Vision-Based Ensemble Learning Model for Cattle Breed Identification	14:45 - 14:55

Panel 16

https://skyroom.online/ch/conf_isfsea/room16/l/en

Date: Tuesday, May 6, 2025		Panel Chairs: Dr. Praveen Agarwal Host: Ms. Aynaz (panell16@conf.isfsea.com)	
<p>Panel Title</p> <h3>Recent Mathematical Development in Engineering & Technology</h3>			
Code	Author(s)	Paper Title	Time (UTC)
130	Eslamifar	Multiclass Blood Cell Classification Using Contourlet Transform and Metaheuristic-Optimized Deep Features with Clustering-Based Decision Making	13:00 - 13:10
146	Adebisi	The Computational Subgroups for the Finite Fuzzy Nilpotent Groups Involving Indeterminates (Varying)M; N	13:15 - 13:25
224	Alvarez Alvarez et al.	Chaos-Preserving Fuzzy Difference Operators: A Bridge Between Fuzzy Arithmetic and Fuzzy Dynamical Systems	13:30 - 13:40
304	Nagwa and Deepak	On the Solution of Fuzzy Fractional Partial Integro-Differential Equations	13:45 - 13:55
222	Jeba Singh et al.	Power sharing and Power quality improvement in smart microgrid using fuzzy-controlled Intelligent Integrated Controller	14:00 - 14:10
301	Hancioglu et al.	Distinguishing AI-Generated Images from Real Images: A Multi-Criteria Analysis Using SF-AHP	14:15 - 14:25
99	Khaja Mannanuddin	Pursuance of Recurrent Neural Networks for Energy Coherence in Neuromorphic Computing	14:30 - 14:40
203	Gochhait et al.	Optimizing Load Dispatch Using Artificial Neural Networks and Fractional Weighted Models	14:45 - 14:55
257	Pathipati and Sukanta	Artificial Neural Networks to Investigate Mathematical Models: A Concise Review	15:00 - 15:10
265	Agrawal et al.	Design of LQR Controllers for Power System stability enhancement with the coordination of PSS and TCSC	15:15 - 15:25
267	Agrawal et al.	Artificial Neural Network and Random Forest Machine Learning Algorithm-Based Power System Fault Detection and Classification	15:30 - 15:40

273	R. Aruna Devi and K. Anitha	Dimensionality Reduction Using Rough Metric Dimension with Linear Discriminant Analysis (LDA)	15:45 - 15:55
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