

SESSIONS PROGRAM

SESSION E: Trends in Software Engineering

October 31st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION E-1	11:10 - 11:40	13	User Story Automation in Software Engineering: insights from the literature	Francisco A Mejía Domínguez; Manuel A. Quintana; Ramon Palacio Cinco; Gilberto Borrego; Samuel Gonzalez-Lopez			
	11:40 - 12:10	20	Methods for evaluating the user experience of applications for Deaf users: A mapping review	Andrés E Fuentes-Cortázar; José-Rafael Rojano-Cáceres			
	12:10 - 12:40	43	Helen: An Intelligent Virtual Assistant for People with Auditory Problems	Samantha Jiménez; Camilo CCM Caraveo; Leticia Cervantes; Fernanda Ugalde G.; Mario Aguilar; Gael H Durán; Mauricio Y. Chávez; Rafael Chávez; Rosenberg Flores			
	12:40 - 13:10						
October 31st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION E-2	11:10 - 11:40	50	Gender Diversity in Software Development Teams: A Systematic Literature Review	Jonatan Alarcón; Juan Carlos Pérez Arriaga; Angel J Sánchez García; Lizbeth A. Hernández-González			
	11:40 - 12:10	27	Exploring LLM Tools through the Eyes of Industry Experts and Novice Programmers	Claudia Tona; Mayra Duran; Samantha Jiménez; Reyes Juárez-Ramírez	On-site		
	12:10 - 12:40	11	Transforming semi-structured data into structured data by using r	Rosa María Canton Crodá; Damián-Emilio Gibaja-Romero			
	12:40 - 13:10	47	State of the Art of the Security of Code Generated by LLMs: A Systematic Literature Review	Leonardo Criollo Ramírez; Xavier Limón; Angel J Sánchez García; Juan Carlos Pérez Arriaga			

SESSION B: Empirical Software Engineering

October 31st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION B-1	13:30 - 14:00	29	Next-Generation Metric for Software Complexity Analysis	Nethmi N Thathsarani			
	14:00 - 14:30	34	Enhancing Emotional and Performance Data Collection for Agile Software Engineers: A Continuous Strategy Implementation	Martín Gildardo Salido Ortega; Gilberto Borrego; Luis-Felipe Rodríguez			
	14:30 - 15:00	42	Search-Based Software Testing Driven by Bioinspired Algorithms: A Systematic Literature Mapping	Joshua E. Hernandez-Suarez; Mario A Jimenez-Jimenez; Saul Dominguez-Isidro; Jorge Octavio Ocharán Hernández			
	15:00 - 15:30	44	User Modeling Using EEG Signals: A Systematic Literature Review	Aridai O Zenteno; Carmen Mezura-Godoy			
November 1st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION B-2	10:30 - 11:00	45	Agent-Based Modeling and Simulation for Collaborative Software: A Systematic Literature Review	Daniel Sandría-Flores; Carmen Mezura-Godoy; Edgard I Benítez-Guerrero			
	11:00 - 11:30	48	System-Oriented Testing on the Microservices Architecture: A Systematic Literature Review	Sebastián Bello; Xavier Limón; Jorge Octavio Ocharán Hernández; Lizbeth A. Hernández-González			
	11:30 - 12:00	49	Empirical Research on Secure Development in Agile Methods: A Systematic Literature Review	Valeria Abdala García; Juan Carlos Pérez Arriaga; Jorge Octavio Ocharán Hernández; Reyes Juárez-Ramírez			
	12:00 - 12:30	51	Cluster Analysis in the Identification of Patterns in Software Development with Agile Methodologies: a Systematic Literature Review	Iskander Emilio Mercader; Angel J Sánchez García; Patricia P Martínez Moreno; José Antonio Vergara Camacho			
	12:30 - 13:00	73	Transforming Software Complexity Analysis with the ECB Metric	Nethmi Nikeshala H. A. T			

SESSION C: Software Engineering Education (SEE)

October 30th 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION C	11:00 - 11:30	57	Influence of the Entry Profile for the Software Engineering Bachelor Degree on a Successful Academic Trajectory: Case Study	Isabel Vega Rebolledo; Angel J Sánchez García; José Juan Muñoz; María Karen Cortes Verdin; Jorge Octavio Ocharán Hernández			
	11:30 - 12:00	64	Towards a model of learning analytics in higher education based on indicators of motivation for permanence	Angel Salas Martinez; Alberto Ramirez Martinell			
	12:00 - 12:30	79	Social Software Engineering: Developing Interactive Video Games to Support Educational Lag in Rural Communities of Baja California Sur, Mexico	Elvia E Aispuro; Reyes Juárez-Ramírez; Sara Yessenia Hurtado Ammendanz; Jaime Suárez; Javier Aguilar			
	12:30 - 13:00						

SESSION F: Core themes of Software Engineering

October 30th 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION F	11:00 - 11:35	16	Agile User-Centered Development of Mobile Applications: A Systematic Literature Review	Alejandro Chacón; Alessandra Reyes-Flores; Ana Luz Polo Estrella			
	11:35 - 12:10	25	Transforming Software Development: A Study on the Integration of Multi-Agent Systems and Large Language Models for Automatic Code Generation	Rolando Ramírez-Rueda; Edgard I Benítez-Guerrero; Everardo Barcenás; Carmen Mezura-Godoy			
	12:10 - 12:45	66	A Fresh Perspective on Measuring Complexity in Object-Oriented Software	Nethmi Nikeshala H. A. T	On-site		
	12:45 - 13:20	71	Systematic Literature Review of low-code and its future trends	Lizbeth A. Hernández-González; Axel Panamá Velásquez; Christian Pérez Salazar; Angel J Sánchez García			

SESSION A: Software methodologies and practices

November 1st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION A	11:00 - 11:25	7	Towards a Systematic Refactoring Method to Support Deployability	Daniel Salvador Salas			
	11:25 - 11:50	26	Analysis of Natural Language Processing Techniques and Tools for Requirements Elicitation: A Systematic Literature Review	María José Torres-Igartua; Angel J Sánchez García; Jorge Octavio Ocharán Hernández; Sodel Vázquez Reyes			
	11:50 - 12:15	37	Using a Niko-Niko Calendar with ARCS to improve the Team Members' Motivation in Software Projects	Etendira M. Jimenez-Hernandez, Jose A. Jimenez-Murillo; Violeta H. Plazola-Soltero; Isaura Muñoz-Ortiz			
	12:15 - 12:40	54	Identification of Practices For Representing Indigenous Groups in Software Requirements Elicitation: A Systematic Literature Review	Myriam Sánchez; Juan Carlos Pérez Arriaga; Angel J Sánchez García; Patricia P. Martínez Moreno	Virtual		
	12:40 - 13:00	61	Identifying Key Factors for Employing Ethnography in Software Requirements Elicitation: A Systematic Literature Review	Midguet Arturo García Torres; Jorge Octavio Ocharán Hernández; Lizbeth A. Hernández-González; Saul Dominguez-Isidro			

SESSION D: Interaction with other disciplines close related to Software Engineering

October 30th 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION D-1	11:00 - 11:35	6	Enhancing Visibility of Components and Dependencies Across Diverse IT Environments with Open-Source Software-Bill-of-Materials Generation Tools	Oleg Sorocean; A. Omar Portillo-Dominguez; Vanessa Ayala-Rivera			
	11:35 - 12:10	8	Detecting Pass-the-Hash Attack in a Microsoft Active Directory Environment using an Open-Source Approach	Jacques Gerald Vivian Felicité; A. Omar Portillo-Dominguez; Vanessa Ayala-Rivera			
	12:10 - 12:45	21	A Website for Mexican Sign Language: A Usability Analysis	Alan Ramírez-Noriega; Gibrán Uriel ME López Coronel; Yobani Martínez-Ramírez; Juan Francisco Figueroa Perez			
	12:45 - 13:20	22	Human-Computer Interaction behind the EEG Signals of ADHD People: A Systematic Literature Review	Eva Lisette Paredes-Cabrera; Carmen Mezura-Godoy; Edgard I Benítez-Guerrero			
October 31st 2024		Paper ID.	Title	Authors	Institution	Language-Format	Chair
SESSION D-2	11:10 - 11:40	40	Digital Assistant to Improve User Experience on Websites: Innovative Support and Efficient Communication Strategies	Leticia Cervantes; Norma Candolfi; David A Mejía; João Sarraipa; Fernanda Ugalde			
	11:40 - 12:10	46	Secure Cryptography Usage in Software Development: A Systematic Literature Review	Bryan J Hernandez Marcial; Xavier Limón; Angel J Sánchez García; Juan Carlos Pérez Arriaga			
	12:10 - 12:40	56	A Reasoning System for Graded Modal Logic	Ricardo López; Everardo Bárcenas			
	12:40 - 13:10	58	A Novel Framework for AI-Integrated Electronic Manifest Generation	Eduardo A Hinojosa Palafox; Oscar M. Rodríguez-Elias; María Teresa Chew Lee			
SESSION D-3	13:30 - 14:00	62	Design of a Digital Navigation Assistant in EMINUS for People with Visual Disabilities	Max MX Millan Martínez; Virginia Dra Lagunes Barradas; José-Rafael Rojano-Cáceres			
	14:00 - 14:30	38	Design of a mobile application for the dissemination of tourist attractions using the Design Thinking Methodology	Jose Alberto JAMD Márquez Domínguez; Beatriz Adriana Sabino Moxo			
	14:30 - 15:00	65	Data visualization to support diabetes management: systematic literature review	Emilio Antonio A Alarcón-Santos; Luis G Montane; José Guillermo Hernández-Calderón			
SESSION D-4	13:30 - 14:00	69	De'Nu: Design of a mobile application for learning the Cuicatec language	Jose Alberto JAMD Márquez Domínguez; Beatriz Adriana Sabino Moxo			
	14:00 - 14:30	76	A Fuzzy Cognitive Map to Evaluate a Medical Context	Sofía I Fernández Gregorio; Luis G. Montané-Jiménez; Luis Alberto Morales Rosales			
	14:30 - 15:00	77	Price and Quote Index Prediction with Deep Learning	Genoveva Lorenzo			