

# SESSIONS PROGRAM

## SESSION E: Trends in Software Engineering

October 31st 2024		Paper ID.	Title	Authors
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
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
	12:10 - 12:40	11	Transforming semi-structured data into structured data by using r	Rosa María Canton Croda; 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

November 1st 2024		Paper ID.	Title	Authors
SESSION B-1	10:30 - 11:00	29	Next-Generation Metric for Software Complexity Analysis	Nethmi N Thathsarani
	11:00 - 11:30	34	Enhancing Emotional and Performance Data Collection for Agile Software Engineers: A Continuous Strategy Implementation	Martín Gildardo Salido Ortega; Gilberto Borrego; Luis-Felipe Rodríguez
	11:30 - 12:00	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
	12:30 - 13:00	44	User Modeling Using EEG Signals: A Systematic Literature Review	Aridai O Zenteno; Carmen Mezura-Godoy
October 31st 2024		Paper ID.	Title	Authors
SESSION B-2	14:10 - 14:30	45	Agent-Based Modeling and Simulation for Collaborative Software: A Systematic Literature Review	Daniel Sandria-Flores; Carmen Mezura-Godoy; Edgard I Benítez-Guerrero
	14:30 - 14:50	48	System-Oriented Testing on the Microservices Architecture: A Systematic Literature Review	Sebastián Bello; Xavier Limón; Jorge Octavio Ocharán Hernández; Lizbeth A. Hernández-González
	14:50 - 15:10	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
	15:10 - 15:30	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
	15:30 - 15:45	73	Transforming Software Complexity Analysis with the ECB Metric	Nethmi Nikeshala H. A. T

## SESSION C: Software Engineering Education (SEE)

November 1st 2024		Paper ID.	Title	Authors
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; Maria 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 Ramírez 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 Armendariz; Jaime Suárez; Javier Aguilar
	12:30 - 13:00			

## SESSION F: Core themes of Software Engineering

October 30th 2024		Paper ID.	Title	Authors
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 Barcenaz; Carmen Mezura-Godoy
	12:10 - 12:45	66	A Fresh Perspective on Measuring Complexity in Object-Oriented Software	Nethmi Nikeshala H. A. T

	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**

October 30th 2024		Paper ID.	Title	Authors
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	Erendira M. Jimenez-Hernandez; Jose A. Jimenez-Murillo; Violeta H. Plazola-Soltero; Isaura Muñiz-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
	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
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 Felicite; 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 Lissette Paredes-Cabrera; Carmen Mezura-Godoy; Edgard I Benítez-Guerrero
October 31st 2024		Paper ID.	Title	Authors
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	14:10 - 14:40	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
	14:40 - 15:10	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
	15:10 - 15:40	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	14:10 - 14:40	69	De'Nu: Design of a mobile application for learning the Cuicatec language	Jose Alberto JAMD Márquez Domínguez; Beatriz Adriana Sabino Moxo
	14:40 - 15:10	76	A Fuzzy Cognitive Map to Evaluate a Medical Context	Sofía I Fernández Gregorio; Luis G. Montané-Jiménez; Luis Alberto Morales Rosales
	15:10 - 15:40	77	Price and Quote Index Prediction with Deep Learning	Genoveva Lorenzo

**SESSION G: Interaction with other disciplines close related to Software Engineering**

Monday, October 28th		Paper ID.	Title	Authors
SESSION G	11:00 - 11:30	5	Enfoque Multitareas Implementado en una Minicomputadora para el Control y Monitoreo de un Motor a Pasos Industrial	Omar Trejoluna; Felipe de Jesus Torres; Antonio J Balvantín; Miroslava Cano; Diego A Núñez-Altamirano; Ma. Concepción Alvarado
	11:30 - 12:00	12	Predicción de lectura en instrumento patrón para una empresa de metrología a través de un dashboard empleando algoritmos de regresión.	Pablo Baez; Luis Reyes
	12:00 - 12:30	55	Análisis de una plataforma para apoyar en el diagnóstico del Síndrome de Ovario Poliquístico	Karen Bozziere; Beatriz Olivares

**SESSION H: Software methodologies and practices**

Monday, October 28th		Paper ID.	Title	Authors
	11:00 - 11:30	9	Uso del framework de ISTQB para aplicaciones desarrolladas en una entidad	Francisco Sanchez; José Manuel Hernández; Carlos Enríquez
	11:30 - 12:00	14	Catálogo de directrices de sostenibilidad para soportar el desarrollo y operación de software sostenible desde la ingeniería de requisitos	Rogelio Fernando Hernandez Alarcon; Begoña Moros Valle; Joaquín Nicolás Ros
	12:00 - 12:30	23	MIGRACIÓN DE SERVERBOX HACIA UN SISTEMA DE MICROSERVICIOS APLICANDO	José Cruz C Montes Báez

SESSION H	12:30 - 13:00	75	Desarrollo de un sistema y un proceso como un medio para lograr la Repetibilidad de resultados en la fermentación de café de baja altura	Juan Manuel Camacho García; Jorge R Aguilar-Cisneros; Jaime Muñoz; Carlos Alberto Fernández-y-Fernández; Marycarmen Utrilla Vázquez; José Adalid López Jiménez

**INVITED PAPERS**

November 1st 2024		Paper ID.	Title	Authors
SESSION I-P	10:30 - 11:00		Aprender Lenguaje Ensamblador: Experiencias y Recomendaciones de un	José Antonio López Monroy
	11:00 - 11:30		A Taxonomic View of the Fundamental Concepts of Quantum Computing – A	Reyes Juárez-Ramírez
	11:30 - 12:00		Gradient Boosting Trees and Large Language Models for Tabular Data Few-Shot	Carlos Huertas
	12:00 - 12:30			
	12:30 - 13:00			