

CONISOFT 2022

PAPERS SESSIONS PROGRAM

SESSION A: Software methodologies and practices

26 October; Virtual Room 1 - Cuetzalan

	Paper ID.	Title	Authors	Institution	Speaker Language	Chair
11:00 - 11:30	9	A Framework for considering Quality of Data through Software Development	César Guerra García (UASLP)*; Héctor Pérez González (UASLP); Francisco Martínez Pérez (UASLP); Reyes Juárez-Ramírez (Universidad Autónoma de Baja California); Sandra E. Nava-Munoz (UASLP)	Universidad Autónoma de San Luis Potosía (México)		Jorge Aguilar
11:30 - 12:00	37	A proposal for assessing and evolving an agile software development method	Mirna A. Munoz (CIMAT)*; Brisia N Corona Tirado (Forte Innovation Consulting SAPI de CV); Jezreel Mejia (Cimat a.c.)	CIMAT (México)		
12:00 - 12:30						

SESSION B: Empirical Software Engineering

26 October; Virtual Room 2- Atlixco

	Paper ID.	Title	Authors	Institution	Speaker Language	Chair
11:00 - 11:30	31	Agent-based simulation software platform for optimizing the distribution of water resources in the irrigation of agricultural crops based on geographic and environmental information	Jose A Olarte Torres (Universidad de los Llanos)*; Andrés Jiménez López (Universidad de los Llanos); Angel Cruz-Roa (Universidad de los Llanos)	Universidad de los Llanos (Colombia)		Sodel Vázquez Reyes
11:30 - 12:00	24	What Remains from Covid-19? Agile Software Development in Hybrid Work Organization: A Single Case Study	Michael Neumann (Hochschule Hannover)*; Dennis Eichhorn (Hochschule Hannover); Daryosch Habibpour (Hochschule Hannover); Arman John (Hochschule Hannover); Stefan Steinmann (Hochschule Hannover); Leonardo Farajian (Hochschule Hannover); David Mötefindt (Awin AG)	Hochschule Hannover (Germany)		

12:00 - 12:30	33	An Ontology for Assuring Quality of User Stories in Scrum Framework.	Claudia Tona (Universidad Autónoma de Baja California)*; Samantha Jiménez (UABC); Reyes Juárez-Ramírez (Universidad Autónoma de Baja California); Rafael González Pacheco López (Full Stack Developer Immersive Program)	Universidad Autónoma de Baja California (México)	English	
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SESSION C: Software Engineering Education (SEE)
26 October; Virtual Room 1 - Cuetzalan

	Paper ID.	Title	Authors	Institution	Speaker Language	Chair
12:30 - 13:00	39	The impact of the COVID-19 Pandemic on Higher Education - A Case of Success of ICT Educational Programs	Elvia E Aispuro (UABCS)*; Jaime Suárez (UABCS); Javier Aguilar (UABCS); Reyes Juárez-Ramírez (Universidad Autónoma de Baja California)	Universidad Autónoma de Baja California Sur (México)	Spanish	

13:00 - 13:30	40	Assessing Wellbeing and Soft Skills of Software Developers and Students in the Context of Working from Home during the COVID-19 era	Reyes Juárez-Ramírez (Universidad Autónoma de Baja California)*; Ma Veronica V Tapia Ibarra (Instituto Tecnológico de León); Samantha Jiménez (UABC); Christian X. Navarro Cota (UNIVERSIDAD AUTONOMA DE BAJA CALIFORNIA); Cesar Arturo Guerra Garcia (Universidad Autónoma de San Luis Potosí); Hector G. Perez-Gonzalez (Universidad Autónoma de San Luis Potosí)	Universidad Autónoma de Baja California (México)	English	Raúl Aguilar Vera
13:30 - 14:00	32	Easing the learning of the robustness diagram by using an assisted modeler tool. An empirical study with ungraduated students	Luis T Portela (Universidad Tecnológica del Sur de Sonora); Gilberto Borrego (Instituto Tecnológico de Sonora)*; Ramón Palacio (Instituto Tecnológico de Sonora); Julia Cruz (Universidad Tecnológica del Sur de Sonora)	Instituto Tecnológico de Sonora (México)		
14:00 - 14:30						

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

26 October; Virtual Room 2- Atlitxco

	Paper ID.	Title	Authors	Institution	Speaker Language	Chair
12:30 - 13:00	11	A Collaborative Web System for Mexican Sign Language: Content Validation Algorithm	Alan Ramírez-Noriega (Universidad Autónoma de Sinaloa)*; Herman G Ayala (uni); José Mendivil-Torres (Universidad Autónoma de Sinaloa); Yobani Martínez-Ramírez (Universidad Autónoma de Sinaloa); Juan Francisco Figueroa Perez (Universidad Autonoma de Sinaloa)	Universidad Autónoma de Sinaloa (México)		
13:00 - 13:30	30	User-Centered Digital Instructional Design for the Hearing Disabilities	Etelvina Archundia Sierra (Benemérita Universidad Autónoma de Puebla)*; Etelvina Robles Archundia (Instituto de Ciencias de Gobierno y Desarrollo Estratégico BUAP)	Benemérita Universidad Autónoma de Puebla (México)		

13:30 - 14:00	13	<p>Process Mining Model Integrated with Control Flow, Case, Organizational and Time Perspectives in a Software Development Project</p>	<p>Silvia J Urrea Contreas (Universidad Autónoma de Baja California); Brenda L Flores-Rios (Universidad Autónoma de Baja California); María Angélica Astorga-Vargas (Universidad Autónoma de Baja California); Jorge Eduardo Ibarra Esquer (Universidad Autonoma de Baja California);*; Felix F. Gonzalez-Navarro (Universidad Autonoma de Baja California); Ivan Garcia (Universidad Tecnologica de la Mixteca); Carla Leninca Pacheco Agüero (Universidad Tecnologica de la Mixteca)</p>	<p>Universidad Autónoma de Baja California (México)</p>		<p>Samantha Jiménez</p>
14:00 - 14:30	29	<p>Towards the improvement of computer-assisted medical activities for stroke rehabilitation</p>	<p>Sofía I Fernández Gregorio (Universidad Veracruzana)*; Luis Gerardo Montané-Jiménez (Universidad Veracruzana-Facultad de Estadística e Informática)</p>	<p>Universidad Veracruzana (México)</p>		

SESSION E: Trends in Software Engineering

28 October; Virtual Room 1 - Cuetzalan

	Paper ID.	TÍTULO	AUTORES	Institution	Speaker Language	Chair
11:30 - 12:00	21	Monitoring of traffic incidents in real time for decision making in road infrastructures	Ernesto de la Cruz Nicolás (TecNM/CENIDET); Alicia Martínez-Rebollar (TecNM/CENIDET)*; Hugo Estrada Esquivel (TecNM/CENIDET); Javier Ortiz-Hernandez (TecNM/CENIDET); Yasmín Y Hernández (TecNM/Cenidet)	TecNM/CENIDET (México)	English	Héctor Pérez González
12:00 - 12:30	15	Protecting User Credentials against SQL Injection through Cryptography and Image Steganography	Parmit Singh Banga (National College of Ireland); A.Omar Portillo-Dominguez (Technological University Dublin); Vanessa Ayala-Rivera (National College of Ireland)*	National College of Ireland (Ireland)	English	
12:30 - 13:00	14	Android-based Smartphone Malware Exploit Prevention Using a Machine Learning-based Runtime Detection System	Athul Vijay (National College of Ireland); A.Omar Portillo-Dominguez (Technological University Dublin); Vanessa Ayala-Rivera (National College of Ireland)*	National College of Ireland (Ireland)		

13:00 - 13:30	8	Bots and their Uses in Software Development: A Systematic Mapping Study	Ricardo Moguel (Universidad Veracruzana); César Sergio Martínez Palacios (Universidad Veracruzana); Jorge Octavio Ocharán Hernández (Universidad Veracruzana)*; Xavier Limón (Universidad Veracruzana)	Universidad Veracruzana (México)	Spanish	
13:30 - 14:00	35	Toward a Multi-label Dataset for Malware Classification	Rolando Sanchez Fraga (CIC IPN)*	CIC IPN (México)	English	

SESSION E: Core themes of Software Engineering

28 October; Virtual Room 2- Atlixco

	Paper ID.	TÍTULO	AUTORES	Institution	Speaker Language	Chair
11:30 - 12:00	36	Measuring Indirect Coupling Complexity of Software Systems	Antonio González-Torres (Personal)*; Jose Navas-Su (Costa Rica Institute of Technology)	Costa Rica Institute of Technology (Costa Rica)	Spanish	

12:00 - 12:30	28	Using Think Aloud for Eliciting Requirements for a Reading Comprehension Software Tool	Maria S Avila Garcia (University of Guanajuato)*; Marco Bianchetti (Universidad de Guanajuato); Maria Isabel Vazquez-De-la-Rosa (Universidad de Guanajuato); Juan Carlos Avilés Díaz (Universidad de Guanajuato); Erick Franco Gaona (Universidad de Guanajuato); Joel Tapia Flores (Universidad de Guanajuato)	Universidad de Guanajuato (México)	Spanish	Francisco Valdés Souto
12:30 - 13:00	25	An Open-Source High-Level Fusion Algorithm in ROS for Automated Driving Applications	Fabio Reway (Technische Hochschule Ingolstadt)*; Yuri Poledna (Technische Hochschule Ingolstadt); Maikol Funk Drechsler (Technische Hochschule Ingolstadt); Werner Huber (Technische Hochschule Ingolstadt); Christian Icking (FernUniversität in Hagen); Eduardo Parente Ribeiro (Federal University of Parana)	Technische Hochschule Ingolstadt (Germany)	Spanish	
13:00 - 13:30	20	A systematic mapping study on technical debt in microservices	Arturo Villa (Universidad Veracruzana); Jorge Octavio Ocharán Hernández (Universidad Veracruzana)*; Juan Carlos Pérez Arriaga (Universidad Veracruzana); Xavier Limón (Universidad Veracruzana)	Universidad Veracruzana (México)	Spanish	

13:30 - 14:00	7	Architectural Languages in the Microservices Architecture: A systematic mapping study	César C Hernández Aparicio (Universidad Veracruzana); Jorge Octavio Ocharán Hernández (Universidad Veracruzana)*; Maria Karen Cortes Verdin (University of Veracruz); María de los Ángeles Arenas Valdés (Universidad Veracruzana)	Universidad Veracruzana (México)	Spanish	
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