

WEDNESDAY, March 13, 2024

# 08:00AM - 12:00PM



# **IN PERSON Registration**

# 09:00AM - 10:30AM

Track 1

IN PERSON oral presentations and online livestream on zoom Track 1

Session Manager: Galileo Staff.



HYBRID English Technical Session #8



Chair: Rosa Vasconcelos Chair: Rosa Vasconcelos Chair: Rosa Vasconcelos

Learning Experiences

Alban	ia 04:00PM	Argentina 12:00PM	Australia 14 Mar, 01:00AM	Bolivia 11:00AM	Brazil 12:00PM	
Canada 08:00AM		Chile 12:00PM	China 11:00PM	Colombia 10:00AM	Ecuador 10:00AM	
Germa	ny 04:00PM	Greece 05:00PM	Honduras 09:00AM	India 08:30PM	Indonesia 10:00PM	
Irelan	d 03:00PM	Israel 05:00PM	Japan 14 Mar, 12:00AM	Macao 11:00PM	Mexico 09:00AM	
New Zealand	d 14 Mar, 04:0	0AM Peru 10:00AM	Philippines 11:00PM	Poland 04:00PM	Portugal 03:00PM	
Puerto_I	Rico 11:00AM	I Senegal 03:00PM	Spain 04:00PM	Tunisia 04:00PM	United Kingdom 03:00PM	
USA (C	DT) 11:00AM	USA (PDT) 09:00AM	USA (EDT) 12:00PM			
Local Time			Presentation			
09:00AM	Speaker:	Jan Kazmierczak				
	Title:	Social Impact of Techni	cal Innovations on Socie	ety: A Study of Educa	ational Needs in Polish	
		Universities (Paper # 873)				
	Authors:	Jan Kazmierczak, Alina Be	etlei, Bartlomiei Gladvsz			
				havia rationala for	understating research on	
	Abstract	The first part of the paper briefly presents the basic rationale for undertaking research on				
		educational needs in the area of issues, related to the means and ways of assessing the impact of				
		innovations on society, s	een in both group and	individual dimensions.	The terms "Technology	
		Assessment (TA)" and "He	alth Technology Assessme	nt (HTA)" were also ex	plained. Next, a plan for	
		preliminary research on ed	ducational needs prepared	for technical and media	cal universities in Poland	
			reliminary stage of the re			
		· •	, ,		Ŭ	
		1	mic staff at selected universities. Quantitative surveys were conducted. The			
		-	are discussed in the nex		•	
		summary of the results ob	tained and a description of	f further research intenti	ons.	
		Presentatio	n time 15 minutos and 5 minu	utes for Q&A		
09:20AM	Speaker:	Rosa Vasconcelos				
	Title:	Promoting Sustainable	Research Collaborations	Between HEI and Inc	dustry at the Regional	
		-	the Case Study of Famal			
Authors: Rosa Vasconcelos, Emilia Araujo						
	Abstract	— Higher Education Institutions (HEIs) play a vital role in training skilled professionals and				
		5	ledge essential for strateg	6		
		<b>c</b>	regions, serving as key co	•		
			regions, serving as key co	includions to science al	ia teorinology. This shore	

qualitative research paper highlights the limited interactions between HEIs, Research and Development



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(R&D), and medium to large-sized companies, arguing that local entities, particularly municipalities, have a very important role in facilitating collaborative programs that connect various organizations with a shared interest in promoting R&D in partnership with other local stakeholders.

Presentation time 15 minutos and 5 minutes for Q&A

# 09:00AM - 10:30AM

Track 2

ONLINE oral presentations livestream on zoom Track 2 Session Manager: Maria Feldgen



#### **ONLINE English Technical Session #9**



Chair: Oscar Karnalim

Exploring New Horizons: Innovations in Remote Learning Environments

Albania 04:00PM	Argentina 12:00PM	Australia 14 Mar, 01:00AM	Bolivia 11:00AM	Brazil 12:00PM
Canada 08:00AM	Chile 12:00PM	China 11:00PM	Colombia 10:00AM	Ecuador 10:00AM
Germany 04:00PM	Greece 05:00PM	Honduras 09:00AM	India 08:30PM	Indonesia 10:00PM
Ireland 03:00PM	Israel 05:00PM	Japan 14 Mar, 12:00AM	Macao 11:00PM	Mexico 09:00AM
New Zealand 14 Mar, 04:00AM	Peru 10:00AM	Philippines 11:00PM	Poland 04:00PM	Portugal 03:00PM
Puerto_Rico 11:00AM	Senegal 03:00PM	Spain 04:00PM	Tunisia 04:00PM	United Kingdom 03:00PM
USA (CDT) 11:00AM	USA (PDT) 09:00AM	USA (EDT) 12:00PM		

Local Time	<b>;</b>	Presentation	Speaker Time				
09:00AM	Speaker: Title:						
	Authors:	Oscar Karnalim, Hapnes Toba					
	Abstract	Auto-graders could be useful in MOOCs. While they are useful for closed-ended questions, there is still ongoing research on auto-graders for open-ended questions. In the software design patterns course, students were often asked to explain how the patterns are implemented in their programs and manual grading such assessments could be time-consuming. We plan to develop an auto-grader for explanations of software design patterns. It ranks the submissions based on their comprehensiveness and then assigns quality marks to them. For our initial study, we present the ranking method. Our evaluation of 310 submissions shows that the ranking method is satisfactory with around 55% top-K precision.					
	<u> </u>	Presentation time 15 minutos and 5 minutes for Q&A					
09:20AM	Speaker: Title:	Oscar Karnalim Inc Sensitive Similarity on Programming Assessments Expecting Highly Simila Submissions (Paper # 802)	lonesia 10:20PM r				
	Author:	Oscar Karnalim					
	Abstract	Some programming assessments expect highly similar student submissions, adding complexities in detecting plagiarism. There are a number of automated similarity detector dedicated for such assessments. However, they either are not practical (being integrate with a programming workspace) or might be less effective (relying only on subtl	rs d				

variations). This paper presents a practical approach that exclusively relies on student submissions. It pairwise compares the submissions and sort them based on sensitive



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similarity, which considers both syntax and superficial similarities. Programs that are similar at syntax level will still be sorted based on their superficial similarity. According to our evaluation involving 610 programs from software design pattern assessments, employing sensitive similarity is more effective than employing the syntax similarity alone. However, it takes longer processing time as it involves more computation. The overall performance is affected by the selection of the similarity algorithm.

Presentation time 15 minutos and 5 minutes for Q&A

09:40AM	Speaker: Title:	Hongqi Li Course Construction of Cutting-edge Intelligent Manufacturing for Software Engineering (Paper # 848)			
	Authors: Abstract	Engineering (Paper # 848) Hongqi Li, Chengqi Li Intelligent manufacturing is a product of the deep integration of advanced manufacturing and new generation of information technology. However, current teaching of computer majors in colleges and universities for the cultivation of talents in this field is still very weak to match the enterprises' expanding demand. To address this issue, this paper explores how to conduct the relevant curriculum construction in the software engineering specialty. Specifically, the teaching objectives, course content, teaching methods, evaluation mechanism, and other related aspects is instigated to adapt to the actual professional reality, student foundation, and teaching expectations. Further, the iterative improvement of each part was carried out through the nearest two semesters of teaching practice, and the results demonstrated the feasibility of curriculum development. The research in this paper will help to provide a useful reference for the development of advanced			
		manufacturing technology courses for information majors in colleges and universities. Presentation time 15 minutos and 5 minutes for Q&A			
10:00AM	Speaker: Title:	Iris Ann Martinez Philippines 14 Mar, 12:0 Streamlining TeachingVideos and Online Materials to Meet the Takt Time Required by the Class Hours (Paper # 849)			
	Author:	Iris Ann Martinez			
	Abstract	The need to transition from face-to-face classes to a combination of synchronous and asynchronous modes of teaching has necessitated educators to think of ways to transform class materials in effective and efficient ways, especially because there was limited time to prepare for the resumption of classes after the lockdown period caused by the Covid-19 pandemic. This paper proposes the production of teaching videos via a production system with a rate that is matched with the Takt Time that is based on the proper time to maintain student focus. Two case studies are presented in this paper and these case studies show promise of efficiency in the production of a high-volume collection of videos.			
		Presentation time 15 minutos and 5 minutes for Q&A			



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Track 3

ONLINE oral presentations livestream on zoom Track 3 Session Manager: Ana Luna



# **ONLINE English Technical Session #10**



Chair: Ana Luna

Title: C	Abagana Mahamat Kacha Building an Hybrid D Combination of Internet a Paper # 857)	Distance Learning Infra		
Local Time		Presentation		Speaker Time
USA (CDT) 11:00AM	USA (PDT) 09:00AM	USA (EDT) 12:00PM		
Puerto_Rico 11:00AM	Senegal 03:00PM	Spain 04:00PM	Tunisia 04:00PM	United Kingdom 03:00PM
New Zealand 14 Mar, 04:00A	M Peru 10:00AM	Philippines 11:00PM	Poland 04:00PM	Portugal 03:00PM
Ireland 03:00PM	Israel 05:00PM	Japan 14 Mar, 12:00AM	Macao 11:00PM	Mexico 09:00AM
Germany 04:00PM	Greece 05:00PM	Honduras 09:00AM	India 08:30PM	Indonesia 10:00PM
Canada 08:00AM	Chile 12:00PM	China 11:00PM	Colombia 10:00AM	Ecuador 10:00AM
Albania 04:00PM	Argentina 12:00PM	Australia 14 Mar, 01:00AM	Bolivia 11:00AM	Brazil 12:00PM

Authors: Abagana Mahamat Kachallah, Ayoub Seck, Thierry Kondengar, Ibra Dioum, Samuel Ouya In Senegal, optical fiber has expanded to 45 departments, with a fifth submarine cable Abstract set to bolster internet capacity in 2023. However, disruptions from the COVID pandemic and political instability have forced school closures, leaving numerous students without access. To address this, we propose implementing an overlay Virtual eXtensible Local Area Network (VxLAN) on the existing national Dense Wavelength Division Multiplexing (DWDM) network, specifically designed for interactive distance learning in virtual classrooms nationwide. To ensure adaptability, we introduce a Floodlight Software Defined Networks Controller (SDN) for flow management, with redundant dual controllers for reliability. Real iOS tests on GNS3 confirm VxLAN deployment across three departments, enabling content sharing and providing voice/text resources through Blink. Virtual Private Network (VPN) integration has been tested to reach students in remote areas. Additionally, educational applications, like a lab for automated web application deployment using Ansible, demonstrate the solution's diverse potential for student use cases.

Presentation time 15 minutos and 5 minutes for Q&A

 09:20AM Speaker:
 Ohud Abdullah Alasmari
 United Kingdom 03:20PM

 Title:
 Python OCTS: Design, Implementation, and Evaluation of an Online Coding Tutorial

 System Prototype (Paper # 829)
 Ohud ALASMARI, Jeremy Singer, Mireilla Bikanga Ada

 Abstract
 This paper discusses the design and early implementation of a new online coding tutorial system for teaching Python to novice programmers. The main contribution is to develop Python OCTS, a highly interactive prototype based on the body of research in the field of computing education, to help novices overcome their learning challenges. In addition, this

study presents an empirical study that demonstrates the benefits of the supportive features provided in the Python OCTS prototype. An online questionnaire was distributed



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to evaluate Python OCTS among 103 users from Saudi Arabia, the United Kingdom, and other locations. The results of the evaluation are encouraging and show that users' experiences were mostly positive towards Python OCTS's features. Finally, this study offers suggestions for supportive features that might help implement an effective online coding tutorial system based on real user experiences and the body of research in the field of computing education.

09:40AM	Speaker:	Preeti B Patil India 09:10PM
	Title:	First-Year Undergraduate Engineering Student's Investigation on the Troubleshooting Process in a Project-Based Learning Course (Paper # 868)
	Authors:	Nandish Humbi, Preeti Basavaraj Patil, Ramesh Kurbet, Chetan C Jadhav, Praveen V Goggal
	Abstract	First-year engineering students often face challenges in electronics, struggling with fundamental concepts in circuitry and problem-solving. In our university's Project-Based Learning (PBL) course, integrating diverse components like Arduino, relays, sensors, and actuators poses difficulties for students. This study delves into the challenges faced by first-year undergraduates in designing electronic circuits within a PBL framework. Emphasizing the troubleshooting component, which is essential for engineering knowledge and problem-solving skills, the research employs a qualitative approach. Participants, first-year engineering undergraduates in a PBL course, were interviewed at a technological university. Preliminary findings indicate that PBL facilitates practical problem-solving, enhancing critical thinking and knowledge. Students employ iterative problem-solving approaches involving sequential testing, logical reasoning, and peer collaboration. Challenges include inadequate prior knowledge, time constraints, and the need for support in complex scenarios. This study contributes to understanding how PBL enhances problem-solving skills, offering insights for educators to refine curricula and teaching strategies for effective project-based learning.
		Presentation time 15 minutos and 5 minutes for Q&A
10:00AM	Speaker:	Preeti B Patil India 09:30PM
	Title:	Work in Progress: Impact of Design Thinking on Creativity Amongst First-Year Undergraduate Engineering Students (Paper # 875)
	Authors:	Preeti B Patil, Basawaraj, Nandish Humbi, Ramesh Kurbet, Praveen V Goggal, Chetan C Jadhav
	Abstract	Creativity is essential to solving complex engineering problems, but the focus in engineering education is on applying approaches and skills that are predictable, routine, and lack creativity. To address this issue courses on design thinking are being incorporated into the engineering curriculum. This work is an attempt to understand the impact of such a course on creativity and motivation for creativity amongst first-year engineering students. The results show that such courses can have a net positive impact on developing creativity and motivating creativity amongst students. Presentation time 15 minutos and 5 minutes for Q&A



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# 09:00AM - 10:30AM

Track 4

ONLINE oral presentations livestream on zoom Track 4 Session Manager: Osvaldo Clua



# ONLINE English Technical Session #11 Chair: Paul Stynes



Exploring Frontiers: Innovations in Research and Education

•	Paul Stynes Research Supervision Fra	amework: A Student's Ex	(perience (Paper # 842)	Ireland 03:00PM
Local Time		Presentation		Speaker Time
USA (CDT) 11:00AM	USA (PDT) 09:00AM	USA (EDT) 12:00PM		
Puerto_Rico 11:00AM	Senegal 03:00PM	Spain 04:00PM	Tunisia 04:00PM	United Kingdom 03:00PM
New Zealand 14 Mar, 04:00Al	M Peru 10:00AM	Philippines 11:00PM	Poland 04:00PM	Portugal 03:00PM
Ireland 03:00PM	Israel 05:00PM	Japan 14 Mar, 12:00AM	Macao 11:00PM	Mexico 09:00AM
Germany 04:00PM	Greece 05:00PM	Honduras 09:00AM	India 08:30PM	Indonesia 10:00PM
Canada 08:00AM	Chile 12:00PM	China 11:00PM	Colombia 10:00AM	Ecuador 10:00AM
Albania 04:00PM	Argentina 12:00PM	Australia 14 Mar, 01:00AM	Bolivia 11:00AM	Brazil 12:00PM

Authors: Paul Stynes, Cristina Hava Muntean , Frances Sheridan, Emer Thornbury, Pramod Pathak

Abstract The Research Supervision Framework was designed to provide quality research supervision to increasing numbers of taught master's students. The framework was applied in six sessions from May 2020 to January 2023. 15 out of 59 students successfully published their research in peer-reviewed international conferences. A survey was conducted involving the 15 students to understand their experience and if the framework supported students in publishing their research. Findings suggest that all students had a positive experience of writing and presenting an international conference paper. Rewarding, exciting, significant milestone, and prized achievements are some of the words that students use to describe their experience. Results demonstrate that the students felt supported throughout their research supervision including publishing their research The research presented in this paper is of interest to both Deans and faculty to gain insight into how to enhance the quality of postgraduate research supervision and increase faculty publications.

Presentation time 15 minutos and 5 minutes for Q&A

# 09:20AM Speaker: Title: Rim Gouia Tunisia 04:20PM Title: Lessons learned from a successful first time ABET accreditation of three engineering programs (Paper # 856) Authors: Rim Gouia-Zarrad, Rim Gharbi, Asma Amdouni Abstract This paper presents the ABET accreditation journey undertaken by three engineering programs at the Mediterranean Institute of Technology (MedTech). The accreditation journey involves distinct phases: planning, preparation, implementation, submission, and visit. The paper discusses milestones and sheds light on challenges faced by engineering programs in non-native English-speaking countries, including the impact of language barriers and the obstacles encountered within the COVID-19 pandemic. Despite these

challenges, MedTech successfully completed the ABET accreditation journey, demonstrating



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its commitment to providing quality education and continuous improvement in its engineering programs. Drawing from MedTech's experience, the paper concludes with recommendations for engineering programs pursuing similar accreditations. By sharing these insights, this paper contributes to the understanding of the accreditation process and supports the advancement in engineering education worldwide.

Presentation time 15 minutos and 5 minutes for Q&A

09:40AM	Speaker:	Preeti B Patil India 09:10PM					
	Title:	A Review on the Importance of Article Writing for Engineering Students (Paper # 869)					
	Authors:	Praveen Goggal, Preeti Basavaraj Patil, Ramesh Kurbet, Nandish Humbi, Chetan Jadhav					
	Abstract	An engineering degree is a ladder for socio-economic development and is highly sought-after. Universities globally confer engineering degrees to millions of undergraduates annually across various disciplines. Upon graduation, these talented individuals are expected to enter the workforce or pursue higher education, where they demonstrate their expertise in core, interdisciplinary fields. In today's industry, employers seek engineers with not only technical proficiency but also strong communication skills, particularly in specification and report writing. However, many students struggle with communication due to an educational focus primarily on technical rather than communication skills. This article examines the necessity and significance of writing skills for undergraduate engineering students. We propose early technical writing and professional communication courses to address this gap, enhancing language proficiency, communication abilities, critical thinking, ultimately improving employability and personal development. Various authors' perspectives on the importance of article writing for undergraduates are discussed, highlighting its role in enhancing employability skills.					
		Presentation time 15 minutos and 5 minutes for Q&A					
10:00AM	Speaker:	Preeti B Patil India 09:30PM					
Title: Work in Progress: Enhancing Engineering Students' Learning in PjBL Cour through Electronic Testing Kits (Paper # 870)							
	Authors:	Shivprasad M Channangi, Ramesh Kurbet, Nandish Humbi, Preeti Basavaraj Patil, Chetan C Jadhav, Praveen V Goggal, Prashant Udapudi					
	Abstract	This study explores the integration of electronic testing kits (ETK) with preloaded program as an enhancement to Project Based Learning (PjBL) in engineering courses, focusing on					

as an enhancement to Project Based Learning (PjBL) in engineering courses, focusing on hands-on learning and problem-solving. Investigating their impact on first-year undergraduate engineering students who have enrolled in engineering exploration course, the research involved dividing participants into three teams. Initially, PjBL activities were conducted without testing kits, followed by sessions with the inclusion of ETK. Semi-structured interviews and questionnaires were employed to gather and analyze data. Findings indicate a significant improvement in the learning experience when electronic testing kits are incorporated into PjBL courses. The ETK fostered problem-solving skills, allowing students to apply abstract concepts to real-world scenarios. The study suggests implications for teaching engineering, highlighting the potential benefits of integrating ETK in PjBL programs. Results underscore increased overall learning ability, reduced time investment and enhanced understanding of circuit working principles through the inclusion of ETK.



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# 10:30AM - 11:00AM

Track 4

Hybrid interaction livestream on zoom Track 4

**Session Manager:** 



# IN PERSON Coffee Break - VIRTUAL Coffee Break

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Albania 05:30PM	Argentina 01:30PM	Australia 14 Mar, 02:30AM	Bolivia 12:30PM	Brazil 01:30PM
Canada 09:30AM	Chile 01:30PM	China 14 Mar, 12:30AM	Colombia 11:30AM	Ecuador 11:30AM
Germany 05:30PM	Greece 06:30PM	Honduras 10:30AM	India 10:00PM	Indonesia 11:30PM
Ireland 04:30PM	Israel 06:30PM	Japan 14 Mar, 01:30AM	Macao 14 Mar, 12:30AM	Mexico 10:30AM
New Zealand 14 Mar, 05:30AM	Peru 11:30AM	Philippines 14 Mar, 12:30AM	Poland 05:30PM	Portugal 04:30PM
Puerto_Rico 12:30PM	Senegal 04:30PM	Spain 05:30PM	Tunisia 05:30PM	United Kingdom 04:30PM
USA (CDT) 12:30PM	USA (PDT) 10:30AM	USA (EDT) 01:30PM		

# 11:00AM - 12:30AM

Track 1

IN PERSON oral presentations and online livestream on zoom Track 1

Session Manager: Galileo Staff.



# **HYBRID Spanish Technical Session #5**



Track\_4

# Chair: Jorge Alvarez Ramírez Chair: Jorge Alvarez Ramírez Exploring the Future: Innovations in Learning Spaces for 21st Century Skills Development

Albania 06:00PM	Argentina 02:00PM	Australia 14 Mar, 03:00AM	Bolivia 01:00PM	Brazil 02:00PM
Canada 10:00AM	Chile 02:00PM	China 14 Mar, 01:00AM	Colombia 12:00PM	Ecuador 12:00PM
Germany 06:00PM	Greece 07:00PM	Honduras 11:00AM	India 10:30PM	Indonesia 14 Mar, 12:00AM
Ireland 05:00PM	Israel 07:00PM	Japan 14 Mar, 02:00AM	Macao 14 Mar, 01:00AM	Mexico 11:00AM
New Zealand 14 Mar, 06:00AM	Peru 12:00PM	Philippines 14 Mar, 01:00AM	Poland 06:00PM	Portugal 05:00PM
Puerto_Rico 01:00PM	Senegal 05:00PM	Spain 06:00PM	Tunisia 06:00PM	United Kingdom 05:00PM
USA (CDT) 01:00PM	USA (PDT) 11:00AM	USA (EDT) 02:00PM		

#### Local Time

Title:

Presentation

11:00AM Speaker: Gabriela Dorfman Furman

Academy's Role in Fostering Lifelong Learning and Self-Development in a Knowledge-Based Society (Paper # 854)

Author: Gabriela Dorfman-Furman

Abstract Traditionally, a person's professional value was closely linked to their initial education and training, with career advancement appealing to a select, motivated few. However, in today's knowledge-driven global society, this paradigm has changed. Lifelong learning, focused on self-development, is now crucial to maintaining expertise and career progression. This learning transcends traditional boundaries, embracing diverse educational methods for personal and professional growth. This article explores the current state of lifelong learning and self-development, especially in the context of evolving knowledge and skills requirements. It also examines the roles of coaching and mentoring in higher education, emphasizing their impact on continuing education and personal growth. Two



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questions are central to this study: 1. What skills can academic institutions instill to promote lifelong learning? 2. What strategies can institutions use to effectively foster lifelong learning? This research aims to underline the transformative role of lifelong learning in shaping individual and social futures

Presentation time 15 minutos and 5 minutes for Q&A

 11:20AM Speaker:
 Gabriela Dorfman Furman

 Title:
 Engineering the Future: Student Perceptions on Soft Skills and Lifelong Learning in Electronic Engineering Education (Paper # 799)

 Authors:
 Gabriela Dorfman-Furman, Zeev Weissman

 Abstract
 In the dynamic field of engineering education, the integration of soft skills has emerged as a key other target for fortaging a culture of lifelong learning. This study investigates the integration bin

strategy for fostering a culture of lifelong learning. This study investigates the interrelationship between soft skills development and lifelong learning in electrical and electronic engineering. Relying on a comprehensive review of pedagogical practices, empirical studies and experiential narratives, the study highlights the significance of skills such as critical thinking, information literacy, time management, and reflection. The findings reveal that soft skills not only complement technical proficiency but also equip students with resilience, and self-directed learning. The study also sheds light on teaching strategies that academic institutions can adopt to effectively weave soft skills into the engineering curriculum. In conclusion, cultivating soft skills is essential to ensure that future engineers are not only technically proficient but also equipped with the interpersonal and cognitive tools essential for continued professional growth.

Presentation time 15 minutos and 5 minutes for Q&A

#### 11:40AM Speaker: Jorge Alvarez Ramírez

Title: Application of the COIL methodology to learn about clean and affordable energy in the Metaverse. (Paper # 801)

Authors: Fernando Caneppele, Jorge Alvarez, Arturo De Leon

Abstract Higher education institutions can promote global citizenship learning through Collaborative Online International Learning (COIL) strategies, which offer an innovative way to engage students in a shared, multicultural, and collaborative online learning environment. This article presents the results of a COIL activity conducted between engineering students from Tecnológico de Monterrey (Mexico) and the State University of Sao Paulo (Brazil). During the experience, students participated in collaborative activities to learn how to generate clean energy in the so-called Tec Virtual Campus Metaverse. The results obtained show that the students accepted and positively valued this COIL methodology, as it allowed them to develop collaborative skills, broaden their knowledge about clean and affordable energy, and foster a global awareness of the importance of addressing today's energy challenges. In addition, they expressed their desire to use this methodology again in future learning projects, highlighting its effectiveness in promoting meaningful learning and intercultural interaction.

Presentation time 15 minutos and 5 minutes for Q&A

# 12:00PM Speaker: Homero Murzi Title: Work in Progress: Culturally Relevant Pedagogy in Engineering: Understanding Faculty Perceptions (Paper # 908) Authors: Natali Huggins, Homero Murzi Abstract This work in progress explains the importance of implementing culturally relevant pedagogical approaches in engineering education and describes our methodological approach to better understand instructors' perceptions of the value of such pedagogical practices in engineering. We present a rationale on why CRP is important and lay out our future plan to collect and analyze data in this ongoing larger project.



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# 11:00AM - 12:30AM

Track 2

ONLINE oral presentations livestream on zoom Track 2 Session Manager: Maria Feldgen



# ONLINE Portuguese Technical Session #1 Chair: Osvaldo Clua



Crafting Meaningful Pathways: Exploring Intentional Curriculum Design

Albania 06:00PM	Argentina 02:00PM	Australia 14 Mar, 03:00AM	Bolivia 01:00PM	Brazil 02:00PM
Canada 10:00AM	Chile 02:00PM	China 14 Mar, 01:00AM	Colombia 12:00PM	Ecuador 12:00PM
Germany 06:00PM	Greece 07:00PM	Honduras 11:00AM	India 10:30PM	Indonesia 14 Mar, 12:00AM
Ireland 05:00PM	Israel 07:00PM	Japan 14 Mar, 02:00AM	Macao 14 Mar, 01:00AM	Mexico 11:00AM
New Zealand 14 Mar, 06:00	AM Peru 12:00PM	Philippines 14 Mar, 01:00AM	Poland 06:00PM	Portugal 05:00PM
Puerto_Rico 01:00PM	Senegal 05:00PM	Spain 06:00PM	Tunisia 06:00PM	United Kingdom 05:00PM
USA (CDT) 01:00PM	USA (PDT) 11:00AM	USA (EDT) 02:00PM		
Local Time		Presentation		Speaker Time
11:00AM Speaker: Title:	Edesio Marcos Slomp Adaptive Learning in E Improve Academic Outcor	0 0	ow Artificial Intelligenc	Brazil 02:00F e (Al) Can
Authors:	Edesio Marcos Slomp, Dou	uglas Ropelato, Cristiane I	Bonatti, Marily Dilamar da	a Silva
Abstract	This qualitative research enhancing academic perfor systems. The study high		ourses, focusing on adap	otive learning

ennancing academic performance in engineering courses, rocusing on adaptive learning systems. The study highlights the evolution of digital technologies in education, emphasizing the applicability of AI in personalizing and adapting learning. Analyzing the integration of AI in engineering education, the study unveils benefits such as teaching customization and early detection of student difficulties. Concurrently, challenges are discussed, including ethical issues like data privacy and algorithmic biases. The research, adopting a qualitative approach, is grounded in an integrative literature review, considering recent studies on the application and impact of AI in higher education. The findings suggest that AI holds significant potential for transforming engineering education, provided its implementation is accompanied by ethical considerations and proper educator preparation.

#### Presentation time 15 minutos and 5 minutes for Q&A

11:20AM Speaker: llany Micaely Santos da Silva Brazil 02:20PM Title: Fostering professional skill development through University-School interaction and game based-learning (Paper # 863) Authors: Marianna Cruz Campos Pontarolo , Natália Veloso Caldas de Vasconcelos , Bruna Carvalho da Silva, Letícia Soares Teixeira de Souza, Ilany Micaely Santos da Silva Abstract Game-based learning (GBL) has potential to foster growth and improve skills and competences. This article aims to provide an analysis of the university-school interaction facilitated by GBL, with a specific focus on evaluating the participants' perception of the impact on their professional skill development. To do this, three workshops based on three educational games were conducted with high school students. A questionnaire was developed to evaluate the perception of participants. This questionnaire draws inspiration from the 2020 model presented in the Future of Jobs Report. The results confirm that



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GBL can be a promising strategy to use at an earlier age. Over half of the responses to each of the report's critical skills fell into the "Totally Agree" and "Agree" categories, confirming the development of these skills during the dynamics. Emphasis may be placed on complex skills such as problem solving, systems analysis and evaluation, critical thinking and analysis, and emotional intelligence.

Presentation time 15 minutos and 5 minutes for Q&A

#### Portugal 05:40PM

Title: Reflection on the use of Generative Language Models as a tool for teaching design (Paper # 836) Author: Inês Amaral Abstract Design education is undergoing a technological revolution with the integration of Chat GPT into the learning process being one of the most promising innovations. This article explores how this revolutionary technology can have an impact on the teaching of design, providing students and professors with a tool to improve creativity, efficiency and the quality. The aim of this article is to reflect on the importance of using chat GPT in the teaching of design methodology so that in the future we can outline some strategies for effectively incorporating it into the curriculum for teaching design, giving some examples of how teachers can guide students to use the technology ethically and efficiently in their processes. This represents an exciting opportunity to transform the way students learn design. With due caution, it can become a valuable tool for inspiring the next generation of designers and driving innovation in the field of design.

Presentation time 15 minutos and 5 minutes for Q&A

## 11:00AM - 12:30AM

#### Track 3

ONLINE oral presentations livestream on zoom Track 3

Session Manager: Ana Luna



11:40AM Speaker:

Inês Amaral

## ONLINE Spanish Technical Session #6 Chair: Jimy Oblitas Cruz



Enhancing Educational Structures: Strategies for Organizational Improvement

Local Time		Presentation		Speaker Time
USA (CDT) 01:00PM	USA (PDT) 11:00AM	USA (EDT) 02:00PM		
Puerto_Rico 01:00PM	Senegal 05:00PM	Spain 06:00PM	Tunisia 06:00PM	United Kingdom 05:00PM
New Zealand 14 Mar, 06:00AM	Peru 12:00PM	Philippines 14 Mar, 01:00AM	Poland 06:00PM	Portugal 05:00PM
Ireland 05:00PM	Israel 07:00PM	Japan 14 Mar, 02:00AM	Macao 14 Mar, 01:00AM	Mexico 11:00AM
Germany 06:00PM	Greece 07:00PM	Honduras 11:00AM	India 10:30PM	Indonesia 14 Mar, 12:00AM
Canada 10:00AM	Chile 02:00PM	China 14 Mar, 01:00AM	Colombia 12:00PM	Ecuador 12:00PM
Albania 06:00PM	Argentina 02:00PM	Australia 14 Mar, 03:00AM	Bolivia 01:00PM	Brazil 02:00PM

11:00AM	Speaker:	Jimy Frank Oblitas Cruz Peru 12:00PM
	Title:	Using MaxDiff analysis to measure employer satisfaction of engineering graduates (Paper # 803)
	Authors:	Jimy Oblitas Cruz, Leticia Noemi Zavaleta Gonzales
	Abstract	The purpose of this study was to evaluate employers' perception considering some aspects to improve related to engineering college graduates' general and specific
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#### WEDNESDAY, March 13, 2024

competencies. The MaxDiff statistical technique, which uses the attribute competency, was applied to better understand the relative order and importance of such competency. The sample consisted of 54 employers and the instruments used were worked at a 95% confidence level. Results show that the top competencies valued by the employers are the graduates' problem-solving abilities and teamwork skills. With respect to the specific competencies, results show that graduates are well qualified for their professional comments and their ability to allign their studies experience in college with their experience of working in a company. It is concluded that the MaxDiff approach could be used to obtain valuable information from employers about graduates' competencies and their approaches in university curriculum.

Work in progress: Use of natural language processing in the evaluation of university

Presentation time 15 minutos and 5 minutes for Q&A

Peru 12:20PM

satisfaction level (Paper # 805) Authors: Jimy Oblitas Cruz, Anabel Anabel Pineda-Briseño

Jimy Frank Oblitas Cruz

11:20AM Speaker:

Title:

Abstract The aim of this study is to examine the use of NLP in an extensive amount of satisfaction feedback in the process and experience of university students from the engineering faculty. The NLP process used was sentiment analysis, which uses artificial intelligence for the extraction of textual data and can classify it as positive, neutral, and negative. The results of the NLP were compared with the manual analysis of the same feedback, finding differences in the results of both methods. Finally, we conclude that the sentiment analysis method is feasible to implement in the context of measuring student satisfaction, and it can become an effective tool with the possibility of working in real-time to generate useful information for making university decisions.

Presentation time 15 minutos and 5 minutes for Q&A

11:40AM Speaker: Lorena Jacqueline Quinchuela Carrera Ecuador 12:40PM Title: Introducing Data Science to Spanish Speaker Students Using the TCLab Arduino Kit (Paper # 907) Authors: Lorena Quinchuela, Santiago D. Salas, Julio. de la Paz, Carola Flores Data Science techniques hold the potential of analyzing data from multiple sources, which Abstract is crucial in knowledge discovery and decision making. It is a promising career with solid demand growth. Therefore, students are pursuing efforts to understand and learn about this topic. Spanish speaker students, however, have difficulties on obtaining hands-on training about this topic in their native language, then, the production of video lectures in Spanish are desirable. This paper shows the perception of 177 students who took the "Introduction to Data Science" course produced by [1] and translated by the authors. In addition, the optional use of the Arduino APMonitor temperature control lab (TCLab) as a tool to enhance learning is studied. Multiple correspondence analysis studied the answers of the survey filled before and after the course. According to students' opinion, there was improvement in their abilities to program, use Python and Arduinos after finishing the course. Presentation time 15 minutos and 5 minutes for Q&A



#### WEDNESDAY, March 13, 2024

 12:00PM Speaker:
 Juan Manuel Núñez Velasco
 Speaker:

 Title:
 Implementation of the AlScrum-Sprint Methodology for Problem Solving in Small and Medium Enterprises within the Framework of Algorithm and Programming Courses (Paper # 905)

Authors: Juan M. Núñez V., Diana C. Rivera V., Lyda Peña Paz, Fernando De la Prieta, Juan M. Corchado

Abstract This paper addresses the implementation of a methodological approach that combines two widely recognized professional practices: Scrum and Design Sprint. This methodology is applied in the context of first-year computer engineering students during their algorithm and programming course. The initiative aims to work with real-world situations, where students form development teams to tackle computer challenges presented by small and medium-sized businesses. This innovative approach not only enriches students' education but also prepares them to enter the workforce with a strong foundation of technical skills and practical experience. Ultimately, this methodology has allowed students to acquire programming skills in Python and Java, similar to those of junior and intermediate programmers, eliminating the need to complete an entire degree to face such challenges, thanks to the promotion of teamwork skills identified through AI.

Presentation time 15 minutos and 5 minutes for Q&A

# 11:00AM - 12:30AM

#### Track 4

ONLINE oral presentations livestream on zoom Track 4 Session Manager: Osvaldo Clua



Title:

#### **ONLINE English Technical Session #12**



Brazil 02:00PM

Spain 07:00PM

Chair: Narasimha Rao Vajjhala

#### Envisioning the Future: Innovations in Curriculum Design and STEM Education

Local Time		Presentation		Speaker Time
USA (CDT) 01:00PM	USA (PDT) 11:00AM	USA (EDT) 02:00PM		
Puerto_Rico 01:00PM	Senegal 05:00PM	Spain 06:00PM	Tunisia 06:00PM	United Kingdom 05:00PM
New Zealand 14 Mar, 06:00AM	Peru 12:00PM	Philippines 14 Mar, 01:00AM	Poland 06:00PM	Portugal 05:00PM
Ireland 05:00PM	Israel 07:00PM	Japan 14 Mar, 02:00AM	Macao 14 Mar, 01:00AM	Mexico 11:00AM
Germany 06:00PM	Greece 07:00PM	Honduras 11:00AM	India 10:30PM	Indonesia 14 Mar, 12:00AM
Canada 10:00AM	Chile 02:00PM	China 14 Mar, 01:00AM	Colombia 12:00PM	Ecuador 12:00PM
Albania 06:00PM	Argentina 02:00PM	Australia 14 Mar, 03:00AM	Bolivia 01:00PM	Brazil 02:00PM

#### 11:00AM Speaker: Augusto Camara Neiva

Comparison of class hours taught in six Metallurgical Engineering courses (Paper # 891)

Authors: David T. Suzuki, Fernando J. G. Landgraf, Augusto C. Neiva

Abstract A tree structure with three different levels of categories was created for the hierarchical classification of subjects of Metallurgical Engineering courses: ten very broad ones, called "families", 32 intermediate ones, called "groups", and 96 more specific ones, called "themes". Most themes were directly linked to Metallurgical Engineering and were really very specific. Themes linked to other engineering materials or techniques were usually less specific. Polymers, for instance, appear mainly in elective subjects and are classified in a single theme. 741 subjects of a Chinese, an USA and four Brazilian Metallurgical



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Engineering courses were classified in those categories, taking their titles as reference. A list of 160 keywords was created, each one linked to one theme. For each subject, the selected themes were validated or not by our team. The class hours of each subject were then added to their themes and corresponding groups and families.

Presentation time 15 minutos and 5 minutes for Q&A

Chile 02:20PM

11:20AM Speaker: Maite Mejias Title: Exploring S

# Exploring STEM adolescent education, using Project based learning and Gamification (Paper # 888)

Authors: Maite Mejias, Felipe Arenas, Roberto Duran

Abstract This paper introduces a transformative intervention in secondary-level technology education within the Chilean system, conducted at the Engineering Design Department of Federico Santa María Technical University. Employing Project-Based Learning (PBL) and utilizing the Octalysis motivational framework for gamification, the study investigates student engagement and motivation dynamics. The intervention took the form of a hackathon event (Hack4Education), serving as a platform for collaborative problem-solving. Our experience examines the implementation and results of the event, studying the correlation between participants' emotions and the motivational drivers for each activity. Our contribution aims to enhance engineering and technology education, through the development of a replicable model for active learning interventions, providing insights to support STEM strategies, challenges, and their potential solutions.

Presentation time 15 minutos and 5 minutes for Q&A

#### 11:40AM Speaker: Narasimha Rao Vajjhala

**Mehrdad Moallem** 

12:00PM Speaker:

Title: Industrial Companies Inside University Courses (Paper # 845)

Authors: Narasimha Rao Vajjhala, Kenneth David Strang

Abstract The researchers experimented with integrating industrial companies into university business and engineering courses to improve student experiential learning and career prospects. Students were paired with industrial projects through a makeshift business consulting organization, encompassing diverse areas like internet marketing, real estate, and bio-medical device optimization. Projects were sourced from the local industrial companies, with students compensated in course credits. The researchers analyzed data from university grading and student surveys. The third-party uncontrolled course rating sites provided additional feedback. While grades showed no significant difference, the industrial course received more favorable student feedback. The machine learning analysis on third-party sites further highlighted a preference for the industrial company project approach over traditional textbook case studies.

Presentation time 15 minutos and 5 minutes for Q&A

#### Canada 11:00AM

Albania 06:40PM

Title: Ball Launching Mechanism as a Comprehensive Platform for a Mechatronics Design Course (Paper # 861)

#### Authors: Mehrdad Moallem, Afagh Mohagheghi, Helen Bailey, Patrick Palmer

Abstract This paper presents our efforts in developing an open architecture lab platform for a highly lab-oriented mechatronics design course which can be further integrated with other labs in courses such as control and machine design. After several years teaching this course, there was a need to revamp the experiential content of the course to provide a better learning experience for students. The project involves design and implementation of an actuated mechanical arm along with electronics circuitry for sensing, signal conditioning,



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and power drive, and its control using industry-grade tools and practices. The students are provided with guidelines in the lecture material to design their system and demonstrate its operation during the semester at several checkpoints and finally through a competition at the end of the semester. By defining challenging new projects, our goal is to increase the students' engagement in the design and implementation of a low-cost, yet challenging motion control system. A team-based approach is adopted to further enhance the students' teamwork and collaboration, while giving them an chance to practice their technical and interpersonal skills.

Presentation time 15 minutos and 5 minutes for Q&A

12:30PM - 2:30PM

Track

Hybrid interaction livestream on zoom Track Session Manager: Galileo Staff



Lunch Break

# 12:30PM - 1:00PM

Track 2

Hybrid interaction livestream on zoom Track 2 Session Manager: Maria Feldgen

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#### HYBRID Steering Committee Chair: Maria Feldgen



Albania 07:30PM	Argentina 03:30PM	Australia 14 Mar, 04:30AM	Bolivia 02:30PM	Brazil 03:30PM
Canada 11:30AM	Chile 03:30PM	China 14 Mar, 02:30AM	Colombia 01:30PM	Ecuador 01:30PM
Germany 07:30PM	Greece 08:30PM	Honduras 12:30PM	India 14 Mar, 12:00AM	Indonesia 14 Mar, 01:30AM
Ireland 06:30PM	Israel 08:30PM	Japan 14 Mar, 03:30AM	Macao 14 Mar, 02:30AM	Mexico 12:30PM
New Zealand 14 Mar, 07:30AM	Peru 01:30PM	Philippines 14 Mar, 02:30AM	Poland 07:30PM	Portugal 06:30PM
Puerto_Rico 02:30PM	Senegal 06:30PM	Spain 07:30PM	Tunisia 07:30PM	United Kingdom 06:30PM
USA (CDT) 02:30PM	USA (PDT) 12:30PM	USA (EDT) 03:30PM		
Local Time Presentation				

12:30PM Summary: EDUNINE Organization Meeting (members only)



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# 2:30PM - 4:00PM

Track 1

IN PERSON oral presentations and online livestream on zoom Track 1 Session Manager: Galileo Staff.



## **HYBRID Spanish Plenary Session #5**



Chair: Roberto Portillo Plenary V: Unveiling the Impact of MATH 101 in Addressing Secondary Education Challenges (Paper # 915)

Albania 09:30PM	Argentina 05:30PM	Australia 14 Mar, 06:30AM	Bolivia 04:30PM	Brazil 05:30PM
Canada 01:30PM	Chile 05:30PM	China 14 Mar, 04:30AM	Colombia 03:30PM	Ecuador 03:30PM
Germany 09:30PM	Greece 10:30PM	Honduras 02:30PM	India 14 Mar, 02:00AM	Indonesia 14 Mar, 03:30AM
Ireland 08:30PM	Israel 10:30PM	Japan 14 Mar, 05:30AM	Macao 14 Mar, 04:30AM	Mexico 02:30PM
New Zealand 14 Mar, 09:30AM	Peru 03:30PM	Philippines 14 Mar, 04:30AM	Poland 09:30PM	Portugal 08:30PM
Puerto_Rico 04:30PM	Senegal 08:30PM	Spain 09:30PM	Tunisia 09:30PM	United Kingdom 08:30PM
USA (CDT) 04:30PM	USA (PDT) 02:30PM	USA (EDT) 05:30PM		
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#### Local Time

2:30PM Speaker: Alberth Alvarado Author: Alberth Alvarado Presentation

Abstract: This talk focuses on the development and evolution of MATH 101, a virtual and adaptive remedial course, acknowledging the critical need for innovative solutions to address the alarming deficiencies in mathematics observed among high school seniors. The most recent statistics from 2022, where only 14% of the students obtained a satisfactory result in a standardized test administered by the Ministry of Education in Guatemala, underscore the urgency of this issue. In 2021, Universidad Galileo launched MATH 101, initially limited to students enrolled in engineering degrees, as a targeted response to bridge the gap between high school mathematics and the rigorous demands of engineering coursework. Over subsequent years, the statistical analysis of the collected data revealed promising results, indicating that MATH 101 effectively addressed the deficiencies identified among students. As a result, the Department of Applied Mathematics of Universidad Galileo decided to extend the scope of this course beyond its initial domain. In 2023, the university released a public version of MATH 101 accessible to all students willing to improve their mathematical skills. The only requirement to register for this course is a computer with internet access and a Gmail account. Through this expansion, Universidad Galileo aims to provide access to high-quality mathematics education to a broader audience and empower individuals to overcome barriers to academic success. By addressing the root causes of deficiencies in mathematics education, we can pave the way for a brighter future for aspiring engineers in Guatemala and beyond.

#### Resume: Alberth Alvarado:

Alberth Alvarado received (with honors) the B.S. degree in Electronics and Computer Science Engineering from Universidad Francisco Marroquín, Guatemala, Guatemala; the M.S. degree in Applied Mathematics and a Ph.D. in Industrial Engineering from the University of Illinois at Urbana-Champaign, United States of America, in 2010 and 2014, respectively. Currently, Dr. Alvarado is the head of the Department of Applied Mathematics at Universidad Galileo, Guatemala, Guatemala. Dr. Alvarado has a broad teaching experience in mathematics. He currently teaches undergraduate courses of mathematics for engineering students and, graduate level courses in the area of operations research and data science. Dr. Alvarado's research is concentrated in two areas. First, he is interested on game theory, convex and nonconvex programming, distributed optimization, and



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their application to signal processing and communication problems. Finally, Dr. Alvarado is also working in engineering education with specialized interests in the teaching and curriculum development of mathematics.

Track\_4

The presentation and Q&A will last 90 minutes.

#### 4:00PM - 4:30PM

#### Track 4

IN PERSON oral presentations and online livestream on zoom Track 4 Session Manager: Galileo Staff.

HYBRID IN PERSON Coffee Break - VIRTUAL Coffee Break



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Albania 11:00PM	Argentina 07:00PM	Australia 14 Mar, 08:00AM	Bolivia 06:00PM	Brazil 07:00PM
Canada 03:00PM	Chile 07:00PM	China 14 Mar, 06:00AM	Colombia 05:00PM	Ecuador 05:00PM
Germany 11:00PM	Greece 14 Mar, 12:00AM	Honduras 04:00PM	India 14 Mar, 03:30AM	Indonesia 14 Mar, 05:00AM
Ireland 10:00PM	Israel 14 Mar, 12:00AM	Japan 14 Mar, 07:00AM	Macao 14 Mar, 06:00AM	Mexico 04:00PM
New Zealand 14 Mar, 11:00AM	Peru 05:00PM	Philippines 14 Mar, 06:00AM	Poland 11:00PM	Portugal 10:00PM
Puerto_Rico 06:00PM	Senegal 10:00PM	Spain 11:00PM	Tunisia 11:00PM	United Kingdom 10:00PM
USA (CDT) 06:00PM	USA (PDT) 04:00PM	USA (EDT) 07:00PM		

# 4:30PM - 5:00PM

Track 1

IN PERSON oral presentations and online livestream on zoom Track 1 Session Manager: Galileo Staff.

	НҮВ	RID Awards Sessio Chair: Osvaldo Clua	n	Track_1
Albania 11:30PM	Argentina 07:30PM	Australia 14 Mar, 08:30AM	Bolivia 06:30PM	Brazil 07:30PM
Canada 03:30PM	Chile 07:30PM	China 14 Mar, 06:30AM	Colombia 05:30PM	Ecuador 05:30PM
Germany 11:30PM	Greece 14 Mar, 12:30AM	Honduras 04:30PM	India 14 Mar, 04:00AM	Indonesia 14 Mar, 05:30AM
Ireland 10:30PM	Israel 14 Mar, 12:30AM	Japan 14 Mar, 07:30AM	Macao 14 Mar, 06:30AM	Mexico 04:30PM
New Zealand 14 Mar, 11:30AM	Peru 05:30PM	Philippines 14 Mar, 06:30AM	Poland 11:30PM	Portugal 10:30PM
Puerto_Rico 06:30PM	Senegal 10:30PM	Spain 11:30PM	Tunisia 11:30PM	United Kingdom 10:30PM
USA (CDT) 06:30PM	USA (PDT) 04:30PM	USA (EDT) 07:30PM		
Local Time		Presentation		
4:30PM Speaker: Os	svaldo Clua (Awards C	Chair)		
Summary: The wo		recognize the valuable nnology and education,		olleagues who have s of the conference



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# 5:00PM - 5:30PM

Track 1

IN PERSON oral presentations and online livestream on zoom Track 1 Session Manager: Galileo Staff.



# HYBRID Next Edunine Presentation



Chair: Roberto Portillo

Albania 14 Mar, 12:00AM	Argentina 08:00PM	Australia 14 Mar, 09:00AM	Bolivia 07:00PM	Brazil 08:00PM
Canada 04:00PM	Chile 08:00PM	China 14 Mar, 07:00AM	Colombia 06:00PM	Ecuador 06:00PM
Germany 14 Mar, 12:00AM	Greece 14 Mar, 01:00AM	Honduras 05:00PM	India 14 Mar, 04:30AM	Indonesia 14 Mar, 06:00AM
Ireland 11:00PM	Israel 14 Mar, 01:00AM	Japan 14 Mar, 08:00AM	Macao 14 Mar, 07:00AM	Mexico 05:00PM
New Zealand 14 Mar, 12:00PM	Peru 06:00PM	Philippines 14 Mar, 07:00AM	Poland 14 Mar, 12:00AM	Portugal 11:00PM
Puerto_Rico 07:00PM	Senegal 11:00PM	Spain 14 Mar, 12:00AM	Tunisia 14 Mar, 12:00AM	United Kingdom 11:00PM
USA (CDT) 07:00PM	USA (PDT) 05:00PM	USA (EDT) 08:00PM		
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Local Tim
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Presentation

5:00PM Speaker: Alejandro Adorjan (EDUNINE2025 Conference Chair)

**Summary:** Announcement of the EDUNINE2025 conference in the beautiful city of Montevideo, Uruguay at the ORT University. March 23 -26, 2025.

# 5:30PM - 6:00PM

# Track 1

IN PERSON oral presentations and online livestream on zoom Track 1 Session Manager: Galileo Staff.

	НҮВ	RID Closing Sessio Chair: Claudio R. Brito		Track_1	
Albania 14 Mar, 12:30AM	Argentina 08:30PM	Australia 14 Mar, 09:30AM	Bolivia 07:30PM	Brazil 08:30PM	
Canada 04:30PM	Chile 08:30PM	China 14 Mar, 07:30AM	Colombia 06:30PM	Ecuador 06:30PM	
Germany 14 Mar, 12:30AM	Greece 14 Mar, 01:30AM	Honduras 05:30PM	India 14 Mar, 05:00AM	Indonesia 14 Mar, 06:30AM	
Ireland 11:30PM	Israel 14 Mar, 01:30AM	Japan 14 Mar, 08:30AM	Macao 14 Mar, 07:30AM	Mexico 05:30PM	
New Zealand 14 Mar, 12:30PM	Peru 06:30PM	Philippines 14 Mar, 07:30AM	Poland 14 Mar, 12:30AM	Portugal 11:30PM	
Puerto_Rico 07:30PM	Senegal 11:30PM	Spain 14 Mar, 12:30AM	Tunisia 14 Mar, 12:30AM	United Kingdom 11:30PM	
USA (CDT) 07:30PM	USA (PDT) 05:30PM	USA (EDT) 08:30PM			
Local Time		Presentation			
5:30PM Speakers: Claudio R. Brito (General Chair) Roberto Portillo (Conference Chair) Melany M. Ciampi (Co-Chair Alejandro Adorjan (EDUNINE2025 Conference Chair) Osvaldo Clua (Awards Chair) Maria Feldgen (Technical Chair) Summary: Conclusion of the conference					
Summary: Co	Summary: Conclusion of the conference				