



ICAEEdU 2018

International Conference on Alive Engineering Education

Amerian Hotel

24-29 June 2018, Puerto Iguazú, Misiones, Argentina



Conference Program

24 June 2018

16:00 - 18:00

Conference Registration

25 June 2018

12:00 - 13:00	Carlos Silva	Poster Presentation (without attendance): University Refrigerator: Learn How to Store Food Efficiently
	Adriane Alves	Poster Presentation (without attendance): Strategic Board: Test The Level of Knowledge About Other Countries
	Victor Sanches	Poster Presentation (without attendance): Common Engineering Students' Difficulties with DC Electric Circuits in An Inquiry-based Laboratory
	Tiago de Araújo	Poster Presentation (without attendance): Extracurricular Activities: Analysis of Its Influence and Relevance
	Charllene Guerreiro	Poster Presentation (without attendance): Virtual Environment Tool for NonIonizing Radiation Evaluation
	Vinícius Laguardia	Poster Presentation (without attendance): Leadership Skills Development in Undergraduate Students at Out-of-classes' Engineering Projects
	Marlison Rosa	Poster Presentation (without attendance): Environmental Education as A Strategy to Reduce Electric Energy Consumption: An Approach at A Municipal School in Goiânia, Goiás, Brazil
	Sidnei Silva	Poster Presentation (without attendance): Application of Problem Based Learning (PBL) to the Discipline of the Civil Engineering Course

13:00 - 13:15	Getúlio Júnior	Opening Speech
13:15 - 13:30	Rodrigo Lemos	Keynote Speech
13:30 - 13:45	Leonardo Guedes	Oral Presentation: A Qualitative Evaluation of Student Perceptions of The PBL Process
13:45 - 14:00	Luís Lemos	Oral Presentation: Formula SAE Project: A Practical Approach to The Theoretical Concepts of Engineering
14:00 - 14:15	Laryssa Duarte	Oral Presentation: Multidisciplinary Project for The Development of A Social Innovative Technology for Water Desalination in Northeast Semiarid
14:15 - 14:30	Luciano Marins	Oral Presentation: Project Based Learning: The Integration of Knowledge, Skills and Attitudes through The 4x4 In Schools Challenge
14:30 - 14:45	Luiz Tonini	Oral Presentation: Online Platform for learning of Electrical Power Systems
14:45 - 15:00	Heloisa Firmo	Oral Presentation: Academic Exchange and Outreach Projects: Training Students to Be Conscious of Their Role as Young Participants of Current Problems of Engineering and Society
15:00 - 15:15	Amilton Lamas	Oral Presentation: Navigation System for the Visually Impaired - A Transformational Engineering Education Case
15:15 - 15:30	Juliana Mocock	Oral Presentation: Education for Sustainability at the Polytechnic School of Pernambuco
15:30 - 15:45	Leonardo de Angelo	Oral Presentation: Interdisciplinary Projects Involving Engineering and Veterinary Courses: Expanding Borders of Engineering Education
15:45 - 16:00	Ricardo Henrique	Oral Presentation: Clown Group - Humanistic Training for Engineering Students
16:00 - 16:15	Mairlos Navarro	Oral Presentation: CDIO as Project Management in Engineering Courses: Conceiving, Designing, Implementing
16:15 - 16:30	Alexandre Rodrigues	Oral Presentation: Competency Development: An Innovative Course in Physics for Engineering
16:30 - 17:15	Social Coffee and Poster Presentation Session (with attendance)	
	Francisco Araújo and Cynthia Lima	Poster Presentation (with attendance): The Importance of The Implantation of Sustainability in The Engineering Graduation
	Alexandre Rodrigues	Poster Presentation (with attendance): Use of Flipped Classroom Elements: A Case Study in Teaching Physics for Engineering at The Federal University of Pará
	Alexandre Rodrigues	Poster Presentation (with attendance): Analysis of The Knowledge in Basic Disciplines of New Entrants in Electrical Engineering of Universidade Federal do Pará and Their Evolution After A Course of Leveling in Elementary Mathematics and Chemistry: A Case Study in The Years 2016 to 2018
17:15 - 17:45	Official Photography	
17:45 - 18:00	Mairlos Navarro	Oral Presentation: Soft Skills Teaching for Contemporary Engineering Careers: A Experience Report

18:00 - 18:15	Yuri Borborema	Oral Presentation: Green Roofs: Software Development at The University
18:15 - 18:30	Marcos Afonso	Oral Presentation: Board Games: Evaluation of The Game Development Methodology in Engineering
18:30 - 19:00	Best Conference Paper, Poster and Video Award	

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13:00 - 14:00	Felipe Castro	Poster Presentation (without attendance): Business Model for Photovoltaic Systems through Shared Generation: Approach with Design Thinking
	Thalles Machado	Poster Presentation (without attendance): Photovoltaic Solar Cooperative: Solidary Economy as A Basis for Social Development
	Felipe Santos	Poster Presentation (without attendance): Adapted and Automated Bathroom for Seniors and Wheelchair Users
	Ivanildo Ramos	Poster Presentation (without attendance): Development of An Educational Application to Aid in The Learning of Photovoltaic Systems
	Filipe Satake	Poster Presentation (without attendance): Analysis of The Formation in Engineering by The Experience Lived in The Science without Borders Approach of Pedagogical Differences between Japan and Brazil
14:00 - 14:15	Maria Eunice	Oral Presentation: Responsible Research and Innovation- RRI: A Reflective Study on Its Application by The European Union
14:15 - 14:30	Leonardo Guedes	Oral Presentation: Developing Student Leadership through Experiential Learning
14:30 - 14:45	Alexandre Rodrigues	Oral Presentation: Integrating Practice and Theory into Basic Graduation Courses in Physics: The Current Stage of Implementation of The Laboratory of Didactic Innovation in Physics (LIDF)
14:45 - 15:00	Yuri Borborema	Oral Presentation: Short Film: "A Troca"
15:00 - 15:15	Andréa Avelar	Oral Presentation: Applications of Tools in The Development to Business Model for Gradually in Civil Engineering
	Social Coffee and Video Presentation	
	Andersom Gomes	Video Presentation: The Engineer Teacher and The Art of Teaching: The Challenge of The Teacher Engineer in Academic Training Good Professionals and Teachers
	Robson	Video Presentation: Semi-Attending Robotics Course Through an On-line Platform Using Lego Mindstorms Ev3
	Carlos Gouvea	Video Presentation: Improvements and Advantages of Using Moodle to Support Out Classes Case Study in Engineering and Technical Courses
	Simone Ramires	Video Presentation: Reception of The Fledglings of The School of Engineering: Challenges and Perspectives
	Simone Ramires	Video Presentation: Ciclo Camp Project: Bicycles Loan as An Alternative Method of Internal Mobility for The Campus Do Vale on UFRGS

15:15 - 16:15	Simone Ramires	Video Presentation: ENACTUS UFRGS: Promoting The Social Entrepreneurship of Socially Vulnerable Communities in Porto Alegre City and Metropolitan Region
	Patrick Rodrigues	Video Presentation: Flipping the Classroom: The Application of The Circuit as An Objective Evaluation Action in Foundation Design
	Euler Bueno	Video Presentation: Rational Use of Water: Booklets Used in Education Campaign
	Gabriel Danielsson	Video Presentation: The Importance and Application of Calculus as A Basis for Engineering Knowledge
	Gabriel Danielsson	Video Presentation: Group of Studies in Energy Efficiency: An Action to Raise Awareness about The Use of Energy
	Gabriel Danielsson	Video Presentation: Electrostatic Precipitator: A Project to Improve Physics Education for Undergraduate Students in
	Rosane Soares	Video Presentation: The Acting of The Higher Education Institution in The Accompanying of The Supervised Internship: A Contribution for The Engineering Courses
	Patrick Rodrigues	Video Presentation: Qualitative and Numerical Analysis of Didactic Model in the Structural Mechanics Teaching
	Carlos Gouvea	Video Presentation: Simulation Laboratory for Learning in Electronic Digital Improvements of Learning Electrical Engineering
	Edson Santos	Video Presentation: Analysis of The Characteristics About The Face-to-face and Distance Education that Contribute to Technical Graduation in Electronics Science
	Matheus Franco	Video Presentation: A Course of Leveling Exact Sciences: A Way of Reducing Rates of Evasion and Improvement of Higher Education Analysis of The Performance of a Calculus Class Between Leveling-course Students and Non-leveling Course Students
	Lucio Junior	Video Presentation: Evaluation and Implementation Proposal for A Methane Gas Generator Using Solid Waste
	Lucio Junior	Video Presentation: Operations Management Implementation in A Small Food Company
	Lucio Junior	Video Presentation: Homemade Beer: Academic Enterprise
	Lucio Junior	Video Presentation: The Impact of Knowledge Management on The Quality of Learning in a Higher Education Institution
	Lucio Junior	Video Presentation: Critical Factors in The Participation of The Institutional Evaluation in A Higher Education Institution
	Lucio Junior	Video Presentation: The Course of Introduction to Engineering from The CDIO Initiative at UNISAL (Brazil)
	Juliana Rigolon	Video Presentation: The Extensionist Actions and the Impacts on the Process of Professional Formation and the Transformation of Society: The Practical Case of the Nucleus of Social Attention of the Faculty of Engineering (NASFE/UFJF)

	Augusto Molica	Video Presentation: The Minitar Project and The Foundation of An Innovation and Research Undergrad Team
	Marco Túlio	Video Presentation: Web Lab Platform: An Approach to The Study of Mobile Robotics
	Felipe Sales	Video Presentation: Teaching and Design of Fuzzy Controllers Made Easy with The Crookes Radiometer
16:15 - 18:00	Ricardo Henrique	Close Session

27 June 2018

10:00 - 12:00	<p>Universidad Nacional del Este (UNE): Meeting point: Facultad Politécnica de la Universidad Nacional del Este, Campus Km 8 Acaray, Calle Universidad Nacional del Este y Rca. del Paraguay, Barrio San Juan, Ciudad del Este, Paraguay, Telefax: +59561 575 112, until 9:45 p.m. The delay tolerance is 15 minutes.</p>
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28 June 2018

09:00 - 12:00	<p>Universidade Federal da Integração Latino-Americana (UNILA): Meeting point: Visitors Center of Itaipu Binacional, located at Av. Tancredo Neves, 6.702, in internal reception, until 9 p.m. The delay tolerance is 15 minutes.</p>
14:00 - 17:00	<p>Itaipu Binacional: On the tour date, the ICAEEdu 2018 group must check in the Visitors Center, located at Av. Tancredo Neves, 6.702, in internal reception, until 13:45 p.m. (accordingly with our reservation). The delay tolerance is 15 minutes. We kindly ask you to send us, at least three working days before the tour date, a list of full names and passport number of all member os the ICAEEdu 2018 group. Itaipu Power Plant is a National Security Area, so we need to accredit everyone.</p> <p>If there is a member of the ICAEEdu 2018 group with special needs, especially walking difficulty, please let us know, so they can adapt the equipment and itinerary.</p> <p>This is the schedule for the Technical Visit. We remind you that due to technical procedures or bad weather in the power plant, restrictions may apply.</p> <ul style="list-style-type: none"> • Arrival at the Itaipu Visitor Center • Institutional movie presentation • Passage by the Spawning Channel, nonstop • Spillway (with a stop at the Lookout if the spillway is open) • Central Observation Deck - 20 minutes stop • Main Dam (Cathedrals), overlooking at the original Parana riverbed <ul style="list-style-type: none"> • Load Dispatching Room (SDC) • Central Control Room (CCR)

- Hall of Generators
- Turbine Shaft
- Crest of the Dam, with a view to the reservoir – 5 minute stop
- End of tour and return to the Visitor Center

Approximate duration: 3 hours.
Free tickets for ICAEEdu 2018 group.

29 June 2018

08:30 - 11:00

Instituto Tecnológico Iguazú (ITEC): Meeting point: Amerian Hotel. The delay tolerance is 15 minutes.

Best works will be eligible for free publication as a full paper in the International Journal of Alive Engineering Education (IJAEdu). See Conference Program for more information:
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