



ICAEEdu 2017

International Conference on Alive Engineering Education
 Mercure Botafogo Mourisco
 21-23 June 2017, Rio de Janeiro, Brazil



Conference Program

21 June 2017

16:00 - 18:00	Conference Registration
---------------	-------------------------

22 June 2017

09:00 - 09:15	Rodrigo Lemos	Opening Speech
09:15 - 09:30	Nival Almeida	Keynote Speech
09:30 - 09:45	Leonardo Guedes	Keynote Speech
09:45 - 10:00	Luiz Campos	Oral Presentation: The Perceptions of Engineering Teachers on a "Practice What You Preach" PLE Training Program
10:00 - 10:15	Rosely Campos	Oral Presentation: An Extension Project Experience for Engineering Students
10:15 - 10:30	Renan Prado	Oral Presentation: Electrical Engineering Introduction Course Using an Integrated Approach Via Group Work Viability Projects
10:30 - 10:45	Neron Berghauser	Oral Presentation: Integrating Activity: A Strategy for Development in Humanity Competences.
10:45 - 11:00	Adonay Rodrigues and Cacilda Ribeiro	Oral Presentation: Extension Projects and Partnerships with Companies: Contributing to The Engineer's Professional and Humanistic Training

11:00 - 11:15	Alexandre Rodrigues	Oral Presentation: Integrating Practice and Theory in Basic Physics Undergraduate Courses: A New Physics Teaching Lab Proposal
11:15 - 11:30	Social Coffee and Poster Presentation Session (without attendance)	
	Jean Nacife	Poster Presentation (without attendance): Interaction Between Extension and Education: The Game of Integration in The IFMT
	Flávia Ribeiro	Poster Presentation (without attendance): Prototype of a Low Cost Neonatal Incubator Using the Arduino Platform and a Temperature Monitoring System from an Android
	Rômulo Nunes	Poster Presentation (without attendance): Cooperative Learning Cell for Android Application Development
	Rômulo Nunes	Poster Presentation (without attendance): Electromyographic Data Acquisition
	Rômulo Nunes	Poster Presentation (without attendance): Educational Robotics as a Tool to Encourage Learning
	Fernando Mascarenhas	Poster Presentation (without attendance): Scientific Initiation Project as Curricular Internship Activity: The relevance for Undergraduate Students in Civil Engineering
	Fernando Mascarenhas	Poster Presentation (without attendance): Regression Analysis Applied to Soil Mechanics
11:30 - 11:45	Official Photography	
11:45 - 12:45	Video Presentation	
	Erika Anabuki	Video Presentation: PBL and Collaborative Learning Applied in The Course of Engineering of Control and Automation: Case Study at CEFET-MG
	Erika Anabuki	Video Presentation: Outcomes and Teaching Methodologies in Engineering, Food Sciences and Environmental Sciences Courses After Capacitation in Vocational Education Training
	Filipe Gonçalves	Video Presentation: The Importance of Internationalization on Engineering Programs from Minas Gerais Universities: UEMG's Case
	Vinícius Rodrigues	Video Presentation: Finite Element Method Use as Educational Appliance of Learning in Electrical Engineering
	Jáder Breda	Video Presentation: The Importance of the Teaching Improvement Program in Different Kinds of Disciplines: The Contribution of the Program in Several Areas of Education

	Jáder Breda	Video Presentation: How to Raise and Keep Interest in Power Quality Lectures: Methodology Adopted, Positive Aspects, Challenges, and Learning Opportunities
	Sidney Sousa	Video Presentation: LIBRE-LIBRAS: A Tool with a “Free-Hands” Approach to Assist LIBRAS Translation and Learning
12:45 - 14:00	Break for lunch	
14:00 - 14:15	Amilton Lamas	Oral Presentation: Electrical Engineering Graduates and Extension Projects: A White Cane Collaborative Development Case Study
14:15 - 14:30	Getúlio Júnior	Oral Presentation: Design Thinking Course
14:30 - 14:45	Neron Berghauser	Oral Presentation: Interdisciplinarity in Engineering Education: The View of Course Coordinators in Vocational Training
14:45 - 15:00	Natã Franco	Oral Presentation: Development of a Modular PLC Using a Low Cost Microcontroller Architecture
15:00 - 15:15	Kollins Lima	Oral Presentation: Improvement of the Digital Systems Laboratory for Computer Engineering
15:15 - 15:30	Sérgio Pimentel	Oral Presentation: A Contribution on How to Set the Number of Evaluation Exams in an Electrical Engineering Undergraduate Course Based on Score of Students: An Experience with Linear Systems Analysis at UFG
15:30 - 15:45	Antonio Castro Junior	Oral Presentation: Ontology to Mining Judicial Sentence's Big Data
15:45 - 16:00	Sandreley Pires	Oral Presentation: An Approach for Mapping and Simulation of Didactic Games in the Internet
16:00 - 16:15	Angelo Battistini	Oral Presentation: Jigsaw Learning: An Active Learning Strategy for Large Groups
16:15 - 16:30	Angelo Battistini	Oral Presentation: Canvas for Educational Projects.
16:30 - 16:45	Carolina Gomes	Oral Presentation: Application of the Flipped Classroom, Jigsaw Classroom and PBL Methodologies in an Electrical Engineering Course
16:45 - 17:00	Paulo Junqueira	Oral Presentation: 3D Virtual Laboratory for Learning Environments: A New Learning Object
17:00 - 17:15	Pedro Valente	Oral Presentation: How an Educational Program Can Improve Learning for an Engineering Student
17:15 - 17:30	Social Coffee	
17:30 - 17:45	Leilane Farace and Brenna Farace	Oral Presentation: Retrofitting of a Robot Arm Controller
17:45 - 18:00	Karla Liboreiro	Oral Presentation: The Innovative and Multidisciplinary Environments in a Brazilian University: A Case Study
18:00 - 18:15	Geraldo Silva	Oral Presentation: Methods to Increase Freshmen Interest and Motivation: Combating Retention and Evasion Among Biochemical Engineering Students

18:15 - 18:30	Wandry Rodrigues	Oral Presentation: Genetic Algorithm Applied on Network Reconfiguration: Implementation of a Multi-Objective Algorithm as an Undergraduate Interdisciplinary Project
18:30 - 18:45	Sheila Leonel	Oral Presentation: The Mobilization of the Concept of Vector and Linear Transformation Concepts in Civil and Production Engineering: A Dipping Methodology Based Analysis
18:45 - 20:45	Poster Presentation Session (with attendance)	
	Marcos Afonso	Poster Presentation (with attendance): Discipline of Logistics: Approaches to Teaching, Learning and Results Evaluation
	Getúlio Júnior	Poster Presentation (with attendance): Institutional Evaluation Perceptions of UFG Engineering Students
	Luiz Campos	Poster Presentation (with attendance): Evolution of a Familiar Company Using Lean Project Concepts Aiming to Make Part of a Multinational Group
	Luiz Campos	Poster Presentation (with attendance): Building the Da Vinci's Self Supporting Bridge
	Angelo Battistini	Poster Presentation (with attendance): Electric Floor: A CDIO Project for First Year Students
	Angelo Battistini	Poster Presentation (with attendance): Wave Power Plant Prototype: A CDIO Project for First Year Students
	Angelo Battistini	Poster Presentation (with attendance): Charging Device for Electric Vehicles: A CDIO Project for First Year Students
	Karla Liboreiro	Poster Presentation (with attendance): OPEI - Workshop of Projects, Entrepreneurship and Innovation: A Multidisciplinary
20:45 - 21:00	Getúlio Júnior	Closing Session

23 June 2017

09:00 - 13:00	<p>Visit the Museum of Tomorrow**</p> <p>** Half price tickets: university students. Free admission: professors of public universities. In all cases, you must provide supporting evidence.</p> <p>The Museum of Tomorrow is open from Tuesdays to Sundays, from 10 a.m. to 6 p.m.</p> <p>Special time for the ICAEEdu: 9 a.m. to 13 a.m. Meeting point: museum entrance.</p> <p>Address: Praça Mauá, 1, Centro, Rio de Janeiro-RJ, Brasil (Express Entrance).</p>
13:00 - 15:00	Break for lunch
15:00 - 17:00	<p>Visit the Instituto Militar de Engenharia (IME)</p> <p>Meeting point: main gate.</p>

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:

IJAEdu Guidelines

Copyright Transfer Agreement and Letter to the Editors

The ICAEEdu Conference Program is subject to change.

<http://icaeedu.emc.ufg.br/>