



ICAEEdU 2019

International Conference on Alive Engineering Education

Hôtel Beaucour, 5 rue des Bouchers, 67000 Strasbourg

23-28 June 2019



Conference Program

23 June 2019

16:00 - 18:00	Conference Registration
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24 June 2019

14:00 - 15:00	Marcos Lemos	Video Presentation: Board Game and Active Methodology: Innovation Has Not Increased with More Time
	Mario Marques	Video Presentation: Integrative Learning: Interdisciplinary Methodological Innovation
	Lilian Silva	Video Presentation: Concept Teaching Involving Urban Mobility and Accessibility Using PLE as Active Methodology
	Lilian Silva	Video Presentation: Teaching of Railway Signaling Concepts Using PBL as Active Methodology
	Sandrerley Pires	Video Presentation: Automatic Correction of Discursive Question: An approach to Contexts with Limited Language
	Daniel Júnior	Video Presentation: Proposal for Integration between Computational Fluids Dynamics and Project-Based Learning:
	Marcus Albano	Video Presentation: Virtual 3D Learning Environment: Development of Virtual Objects and Curricular Units for CNC
	Daniel Cunha	Video Presentation: "Engenheiros da Infância" Takes Action in Early Childhood Education Centers
14:00 - 15:00	Daniel Cunha	Video Presentation: "Engenheiros da Infância" Hold Workshops at Event Curta o Campus – Autumn Edition

	Yuri Borborema	Video Presentation: Million Dollar Energy: A Game to Get Rich Investing on Renewable Energy
	Yuri Borborema	Video Presentation: Guide-Me: Mobile App for Helping Visually Impaired Moving on Closed Places Using Beacons
	Daniel Cunha	Video Presentation: “Engenheiros da Infância” in the 5th Entrepreneurship University Olympiad (OEU): An UFG’s Engineering School Extension Project Learning How to Entrepreneur
	Geyverson Paula	Video Presentation: Knowledge Exchange and Skill Development: Case Studies
	Luciana Lima	Video Presentation: Analysis of The Influence of The Basic Mathematics Course, of The Polytechnic School of Pernambuco, in The Disapproval Rate of The Discipline of Integral and Differential Calculus 1 with Emphasis on The Teaching Variables and Students Who Came from Public Schools
	Isabella Guimarães	Video Presentation: Coffee Project (Connections Knowledge): Conversation Wheels
15:00 - 15:15	Dr. Getúlio Júnior	Opening Speech
15:15 - 15:30	Dr. Christophe Collet	Keynote Speech
15:30 - 15:45	Ira Raveh	Oral Presentation: How Mathematics Lecturers Encourage Students to Understand
15:45 - 16:00	Dr. Elena Trotskovsky	Oral Presentation: Engineering Competition Project – Insights of A Case Study
16:00 - 16:15	Dr. Nissim Sabag	Oral Presentation: A Comparison Between The Occupational Load of Excellent and Non-excellent Engineering Students
16:15 - 16:30	Chi-Cheng Cheng	Oral Presentation: Challenges and Experience with Multidisciplinary Capstone Projects in Mechanical Engineering
16:30 - 17:00	Break: Coffee and water	
17:00 - 17:15	Natália Martins	Oral Presentation: Comparative Study About Tests of Pervious Concrete as Learning Tool
17:15 - 17:30	Fiacre Aizoun	Oral Presentation: Analysis of The Technical Feasibility of The Reuse of Plaster in The Manufacture of Lining Plates: Developed for The City of Vitória da Conquista, Bahia, Brazil
17:30 - 17:45	Luis Resende	Oral Presentation: Calculus I in Engineering Courses: An Inventory of Adopted Measures to Mitigate the Students’ Difficulties
17:45 - 18:00	André Coelho	Oral Presentation: The INCOMM Research Group and The Science Day C: An Interaction between University and Society in Telecommunications Research Context
18:00 - 18:15	Dr. Getúlio Júnior	Oral Presentation: Community Summaê: An Experience in The Telecommunications Classes

18:15 - 18:30	Best Conference Paper, Poster and Video Award
18:30 - 19:00	Official Photography

25 June 2019

14:00 - 15:00	Roberto Scalco	Video Presentation: Historical Pathways of The Teaching of Engineering in Brazil
	Joseph Santos	Video Presentation: RAP: Annual Permitted Revenue
	Yuri Borborema	Video Presentation: Educational Games for Making Math Learning More Popular: Approach with Design Thinking
	Ricardo Alves	Video Presentation: Distance Training Course on Intellectual Property
	Amilton Lamas	Video Presentation: A Cross-Disciplinary Active Teaching Method Application: A High Education Case Study
	Amilton Lamas	Video Presentation: The Empowerment of Students Resulting from The Extension Projects Actions: Students Empowerment through Target Populations Fostering
	José Peña	Video Presentation: Power Electronics Education: A Contemporary Teaching Approach
	Marcelo Castro	Video Presentation: Engineering and Technology Congress: Contribution to The Engineer's Technical and Professional Development
	Marcelo Castro	Video Presentation: Engineering Market and Academia: An Analysis of Extracurricular Activities
	Daniel Júnior	Video Presentation: Proposal for Updating the Civil Engineering Program of the Universities Near The Araripe Gypsum Pole: A Critical Analysis of Current Curriculum Profiles
	Mateus Marins	Video Presentation: Design of A Low-cost Weather Station for Use in Sensor Network Systems for Agriculture and Engineering Education
	Kim Gonçalves	Video Presentation: Interdisciplinary Learning: Development of Chicken Eggs Incubator for Scientific Testing
	Rayanna Francklim	Video Presentation: Engineering since High School: The Development of Skills Deemed Necessary to Higher Education and The Vocations Awakening in Students Arising from Brazilian Public Schools
	Laysa Souza	Video Presentation: Worksheet for Calculations in Distribution of Electrical Power Using Microsoft Excel®
	Sidnei Silva	Video Presentation: Identification of Teaching Competencies for The Use of Problem Based Learning (PBL) to The Discipline of The Civil Engineering Course

	Michelle Machado	Video Presentation: Reliable and Low-cost Alternatives for Virtual Instrumentation: Development of Virtual Instruments to Be Applied on Engineering Education
	Michelle Machado	Video Presentation: 3D Virtual World Strengthening Theoretical Practical Relationships in The Educational Institutions: Solution Based on 3D Virtual Worlds to Fill A Lack of Resources in Educational Institutions
	Gabriel Danielsson	Video Presentation: Methodology to Apply Horizontality to The Engineering Curriculum
	Gabriel Danielsson	Video Presentation: The University Extension as A Tool Applied to The Incentive of Science in Fundamental and Average Education
	Gabriel Danielsson	Video Presentation: “Meninas que Engenham o Futuro” Extension Project: An Action for Inclusion of Women in The Field of Engineering
	Gabriel Danielsson	Video Presentation: “Energia Amiga” Extension Project
15:00 - 15:15	Fiacre Aizoun	Oral Presentation: Determination of the Physical and Mechanical Properties of Concrete with Partial Replacement of The Small Aggregate by Glass: Developed
15:15 - 15:30	Sonia Puente	Oral Presentation: Agile Methods to Enhance Iterations in Designing Solutions for Active Ageing
15:30 - 15:45	Luis Resende	Oral Presentation: Teaching of Mathematics in Engineering Courses: An Analysis from Productions in COBENGES 2017-2018
15:45 - 16:00	Juliana Mendonça	Oral Presentation: Laboratory of Integrated Practice: Training of Engineers for the 21st Century
16:00 - 16:30	Break: Coffee and water	
16:30 - 17:30	Dr. Getúlio Júnior	Special Movie Session: The Barter (from Portuguese: <i>A Troca</i>)
17:30 - 18:00	Dr. Getúlio Júnior	Close Session

26 June 2019

14:00 - 17:00	<p>Technical Visit 1: Mercedes-Benz Museum</p> <p>Address: Mercedesstraße 100, 70372 Stuttgart, Germany</p> <p>Transportation and tickets are not included in the registration fee of ICAEdu 2019</p> <p>The payment of the tickets directly in the museum</p>
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27 June 2019

14:00 - 17:00

Technical Visit 2A: Télécom Physique Strasbourg
Meeting Point: Campus d'Illkirch Station (A) (E)
Transportation are not included in the registration fee of ICAEEdu 2019
Limit hour: 13:30

14:00 - 17:00

Or Technical Visit 2B: Botanic Garden of the University of Zurich
Address: Zollikerstr. 107, 8008 Zurich, Switzerland
Transportation are not included in the registration fee of ICAEEdu 2019
Free tickets

28 June 2019

09:00 - 12:00

Technical Visit C: The European Parliament in Strasbourg (France)
Mandatory confirmation until day 20 May 2019
Meeting Point: 1 Avenue du Président Robert Schuman, 67000 Strasbourg
Transportation are not included in the registration fee of ICAEEdu 2019
Free tickets

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

Date: 18 July 2019