



# ICAEEdu 2026

International Conference on Alive Engineering Education

24-25 September 2026

Virtual Edition

Goiânia, Brazil



## Conference Program

19 September - 23 September, 2026

Any Time

Prior Virtual Participation

24 September 2026

Any Time

Juan Miguel González

Dr. Juan Miguel Opening Keynote

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| Any Time | Sergio Pimentel  | Poster #1: Enhancing Knowledge Acquisition and Multicultural Adaptability in Higher Education through Active Learning, Virtual Exchange, and AI Tools |
|          | Bruna Guedes     | Poster #2: High-Performance Communication in Interdisciplinary Extension: Bridging Engineering, Medicine and Law                                      |
|          | Washington Silva | Poster #3: Computational Modeling as an Active Methodology in Operational Research Learning                                                           |

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| Any Time | Marcos Afonso      | Poster #4: Educational Andragogy in Engineering: Active Teaching Methodologies for Multiple Student Intelligences                                                        |
|          | Alexandre Moreira  | Poster #5: Design of a Didactic Continuous Photovoltaic Solar Simulator Using Optical Simulation Software                                                                |
|          | Pedro Ferreira     | Poster #6: AI-Assisted Malware Analysis as a Learning Tool in Computer Engineering Education: A Kernel-Level Monitoring Approach with LLM-Based Inference                |
|          | Vinicius Canaes    | Poster #7: From Industry 4.0 to Industry 5.0: Challenges and Competencies for Engineering Education in the Artificial Intelligence Era                                   |
|          | Cacilda Ribeiro    | Poster #8: Studies on Immersive Environments in Engineering Education: Experiences of the CERISE UFG Center of Excellence                                                |
|          | Matheus Lima       | Poster #9: Project to Support and Encourage Academic Activities of Biochemical Engineering Students: Strategies Adopted to Reduce Dropout Rates in The Initial Semesters |
|          | Thayckowisk Campos | Poster #10: Summaê in the Community: Electrifying Circuits                                                                                                               |
| Any Time | ICAAEdu 2026       | ICAAEdu 2026 Book Fair                                                                                                                                                   |
| Any Time | NIPEE EngVIVA/UFG  | Virtual Tour (Film): Chapada dos Veadeiros National Park                                                                                                                 |

## 25 September 2026

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| Any Time | Gabriel Fleury  | Poster #11: Artificial Intelligence Governance and Ethics in Engineering and Computing Education: Curricular Challenges and Essential Competencies           |
|          | Althyere Alves  | Poster #12: Materials Traceability in Electrical Infrastructure Works: Development of an Application as a Work-Integrated Learning Experience in Engineering |
|          | Sergio Pimentel | Poster #13: Teaching Digital Control through English-Medium Instruction (EMI): A Pedagogical Innovation and Internationalization Experience                  |
|          | Izadora Costa   | Poster #14: Career in Play: Gamification of the Professional Context in Engineering                                                                          |
|          | Tatiana Afonso  | Poster #15: Meaningful Learning According to Carl Rogers: Use of AI                                                                                          |

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| Any Time | Alessandra Oliveira | Poster #16: Confluencing the Meanings of Exact Sciences: Intersectionality and Transformation of the Academic Space                                                                                 |
|          | Pedro Ferreira      | Poster #17: Ethical Guardrails of Large Language Models as a Barrier to Cybersecurity Education in Engineering Courses: A Comparative Analysis of ChatGPT-4o, Claude Sonnet 3.5, and Gemini 2.5 Pro |
|          | Izadora Costa       | Poster #18: Master Plan: Gamification Applied to Management Education in Engineering                                                                                                                |
|          | Marcos Afonso       | Poster #19: Ethics, Engineering and Society: Socrates, Archimedes e Pythagoras                                                                                                                      |

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| Any Time | ICAAEdu 2026 | ICAAEdu 2026 Book Fair |
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| Any Time | Getúlio Júnior | Photography Exhibition (Metaverso): Spatial Goiânia |
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## 26 September - 27 September, 2026

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| Any Time | Subsequent Virtual Participation |
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| Any Time | ICAAEdu 2026 Best Poster Award |
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Best works will be eligible for free publication as a full paper in the International Journal of Alive Engineering Education (IJAEdu). See

ICAAEdu Official Website for more information:

IJAEdu Guidelines;

Copyright Transfer Agreement and Letter to the Editors;

Copyright Transfer Agreement and Letter to the ICAAEdu Organizers.

The ICAAEdu Conference Program is subject to change.

<https://blog.icaeetu.emc.ufg.br/>

Date: 23 September 2026