

Keynote Speakers

May 13, 2025 (Tuesday)

9:30 – 10:00, May 13, 2025 (Tuesday) – Welcome and Conference Opening

10:00 – 10:40, May 13, 2025 (Tuesday) – Welcome Address and Opening Keynote



Professor Luciano Freire
Pró-Reitor, Centro Universitário Facens
Sorocaba, SP, Brazil

Professional in the area of Educational Management with over 20 years of experience working in companies in the Higher Education segment in the areas of Undergraduate and Graduate programs of medium and large sizes. Solid knowledge in the management of Schools and Departments, ensuring competitive advantage and high performance of courses, carrying out activities such as: supervision of processes of authorization, recognition and renewal of recognition of courses; implementation of innovative teaching practices; monitoring and implementation of academic quality indicators (ENADE, IGC, CPC, IGC, NPS, CPA and KPIs); identification of opportunities for process optimization, cost reduction and improvement of operational efficiency without compromising academic quality; and implementation of training projects with large companies.

Advanced knowledge in academic process management. Practical experience in the implementation of Pedagogical Models, Strategic Planning, Continuing Education, Corporate Education and Academic Planning. Professor Marques holds a PhD in Computer Science and Computational Mathematics at USP (University of São Paulo).

10:40 – 11:20, May 13, 2025 (Tuesday) – Keynote



Claudio Castro
Director of Research and Development
Schaeffler Latin America, Sorocaba, São Paulo, Brazil

Graduated in Electrical Engineering with a specialization in Electronics at Centro Universitário FACENS and an extension in Industrial Quality at UNICAMP. He has worked as a machine design engineer, product design engineer, systems development and testing engineer, experimental engineering manager, product development manager, and project manager for both national and international projects. He participated in the structural transformation of companies and has extensive international experience with a keen interest in innovation, people management, and technologies for the future. He collaborates as a council member in various institutions related to innovation and social service. Currently, he serves as the Director of Research and Development for Latin America at Schaeffler and as the President of the Executive Board of the Mobility Engineering Association, SAE BRASIL.

11:40 – 12:20, May 13, 2025 (Tuesday) – Keynote



Edson Isawa
Portfolio & Account Development Director
Siemens Digital Industries Software
Florianópolis, Santa Catarina, Brazil

Edson Isawa is currently the Director of Portfolio and Innovation at Siemens Digital Industries Software. A Mechanical Engineer graduated from Poli USP, Edson has 25 years of experience in the technology and digitalization sector, with expertise in pre-sales consulting, digital transformation, and leading technical teams. He has a strong track record in Digital Transformation projects, guiding companies through needs mapping, digital maturity assessment, and the development of digitalization roadmaps. As a specialist in the application of digital twins in the industry, Edson believes in the power of purpose-driven technologies—not only to enhance business performance but also to generate a positive impact on society.

May 14, 2025 (Wednesday)

10:00 – 10:40, May 14, 2025 (Wednesday) – Keynote



Dr. Antonio Carlos Gomes Junior
Diretor Indústria & Serviços
Head Indústria & Tecnologias 4.0
Facens University
Sorocaba, São Paulo, Brazil

Experience/responsibilities in the areas of manufacturing engineering, factory management, safety, continuous improvement, staff recruitment and development, purchasing, technical support, project development, industry 4.0 (Acatech/Maturity Center), development of innovation centers, digital maturity level assessment, production, cost optimization, offers, sales of services and equipment, operations management, planning, start of production lines, national and international projects by “Turn Key”, quality, six sigma, resources human resources, training, technology in companies like ZF, Schaeffler, Scania and Caterpillar; sustainability, circular economy, professor of engineering,

was mechanical engineering coordinator, international relationship, Research Institute, FabLab, Industrial Business. Academic responsibility & partnership for industrial processes, 4.0 activities and metals additive manufacturing (3D) at FACENS/IP FACENS. Member of the Municipal Science, Technology and Innovation Committee of Sorocaba, center of technological excellence in the metropolitan region of Sorocaba CET 4.0 and SAE SP manufacturing area. Highlight for: intercultural and interpersonal relationships, leadership and team development, production, engineering, maintenance, manufacturing processes and optimization, business plan, 5S, Six Sigma, ISO 9001, 14001, Lean Manufacturing and advanced manufacturing 4.0 implementation.

10:40 – 11:20, May 14, 2025 (Wednesday) – Keynote



Dr. Takaaki Ohishi
Professor
Faculdade de Engenharia Elétrica e de Computação
State University of Campinas (UNICAMP)
Campinas, Brazil

Takaaki Ohishi was born in 1955, in the city of Mirandópolis in Brazil. He received his B.Sc. degree in Electrical Engineering from USP, Brazil, in 1978, and his M.Sc. and Ph.D. degrees in Electrical Engineering from UNICAMP, Brazil, in 1981 and 1990, respectively. He is presently teaching at UNICAMP. His fields of interest include hydrothermal operational planning, load forecasting and energy markets.

11:40 – 12:20, May 14, 2025 (Wednesday) – Keynote



Dr. Anibal Azevedo
Professor
School of Applied Sciences
University of Campinas
Campinas, São Paulo, Brazil

Specialist with experience in automation and Industry 4.0 projects, focusing on the application of artificial intelligence in logistics operations. Experience in the development of mathematical and simulation models for Production Engineering and Planning and Programming of Electrical System Operations. Participation in the project "Integration of Advanced Optimization, Simulation and Artificial Intelligence Techniques to Improve Healthcare Systems", aiming to optimize hospital resources, simulate patient flow, predict diagnoses and personalize treatments. Experience in R&D&I (Research, Development and Innovation) projects in collaboration with companies in the Brazilian Energy System. Participation in events such as the Third International Symposium on Supply Chain 4.0, with a presentation on the "Market of Rules" and the combination of human expertise and automation in Industry 4.0. Co-author of an article on the assessment of the degree of maturity of Industry 4.0 in the Brazilian auto parts sector with the help of PROMETHEE diagnostics. He works as an advisor in dissertations and theses involving the application of artificial intelligence,

modeling and simulation in logistics and distribution centers. He has about 127 full articles and abstracts in national and international conferences and 33 in national and international journals, as well as 5 book chapters, 5 books, and 8 e-books published. He has supervised a total of 95 students including TCC, IC, PEDs, monitors, master's and doctoral students. He has participated in research projects with the following companies and funding agencies: AMBEV, CPFL, Duke Energy, EMBRAER, VALE, Agência Nacional de Energia Elétrica (ANEEL), Operador Nacional do Sistema Elétrica (ONS), CNPq (Universal), FAPESP (thematic and PIPE), FINEP. He has over 100 review papers for journals and conferences, is one of the Top Reviewers according to Publons/Web of Science, and has won three awards for outstanding work in international article review by Elsevier. He has created more than 1,100 video lessons covering topics such as operations research and simulation for UNIVESP and his own YouTube channel. His areas of expertise include Operations Research, Systems Simulation, Artificial Intelligence and Optimization.

May 15, 2025 (Thursday)

10:00 – 10:40, May 15, 2025 (Thursday) – Keynote



Adilson Spolidoro
Director of Bauducco
SP, Brazil

Delivery Quality Using AI

"The constant search for productivity in business imposes on us the need to operate without delays and equipment and facility failures, making the quality of what we receive a fundamental attribute for competing in a market where imported products are increasingly in demand. The use of methodologies and tools that contribute to managing the entire set of tasks for a successful operation is essential to minimize risks and speed up productivity gains. In this, AI can make a great contribution."

Bio: Production Engineer from UFSCAR, Master of Science in Production Engineering and PhD student at Unicamp. Has worked in the food sector for 35 years, leading the areas of industrial operations, new product

development, new industrial plant projects, and continuous productivity improvement. Currently developing research work for his PhD in supply chain optimization.

10:40 – 11:20, May 15, 2025 (Thursday) – Keynote



Prof. Dr. Nilo Antonio de Souza Sampaio
Universidade do Estado do Rio de Janeiro
Rio de Janeiro State University
Rio, Brazil

Palestra: Utilização da Estatística e da Inteligência Artificial na área de Pesquisa Ambiental
Presentation Title: Use of Statistics and Artificial Intelligence in Environmental Research

Dr. Nilo Sampaio is an Associate Professor at the State University of Rio de Janeiro where he teaches Probability and Statistics in the Undergraduate Engineering courses and also acts as a Permanent Professor in the Master's and Doctorate in Environmental Engineering. He works with Design of Experiments, Multivariate Statistics, Advanced Statistics and Artificial Intelligence. He graduated BS in Chemical Engineering from the Escola de Engenharia de Lorena EEL-USP (1994), master's in Mechanical Engineering from the University of Taubaté UNITAU (2005), and Ph.D. in Mechanical Engineering from the Universidade Estadual Paulista Júlio

de Mesquita Filho UNESP (2011).

11:40 – 12:20, May 15, 2025 (Thursday) – Keynote



Dr. Felipe Ramos
Professor and Coordinator of the Renewable Energy Technology Course
Professor in the postgraduate course of Industry 4.0.
Federal Institute of São Paulo, Sorocaba Campus, Sao Paulo, Brazil

Felipe Ramos has an undergraduate degree in Control and Automation Engineering (2012) and a M.Sc. in Energy Engineering (2015) from UNIFEI (Federal University of Itajubá). In 2016 acquired his Beer Sommelier at ICB (Brazil Beer Institute) followed by, in 2017, Brewing Technology at ICB (Brazil Beer Institute) and Technische Universität München – TUM. In 2017 joined the Federal Institute of São Paulo, Sorocaba Campus, as an associate professor. He is the current Institutional representative at LPA of Microbreweries and the Coordinator of the Renewable Energy Technology Course as well as a Professor in the postgraduate course of Industry 4.0.

ABSTRACT: Discussion about the context of the microbrewery sector in the region of Sorocaba, its productive particularities, the Local Productive Arrangement, market positioning, challenges and opportunities. Keywords: microbrewery; lpa; Sorocaba; beer production.

Submissions Received from Countries and Territories

- | | | | |
|--------------|-------------|------------------|-------------------|
| 1. Australia | 6. Colombia | 12. Lebanon | 18. Spain |
| 2. Bolivia | 7. Ethiopia | 13. Mexico | 19. Turkey |
| 3. Brazil | 8. Germany | 14. Nigeria | 20. UK |
| 4. Brunei | 9. India | 15. Pakistan | 21. United States |
| Darussalam | 10. Italy | 16. Peru | 22. Zimbabwe |
| 5. Canada | 11. Kuwait | 17. Saudi Arabia | |