

BTΣym'25

Conference Program

October 28th, and 29th - 2026
Universidad Nacional Jose Maria Arguedas- UNAJMA,
Andahuaylas- Perú

Organization



Welcome to the BTSym'2026 as a Virtual Event

The Brazilian Technology Symposium (BTSym), **ISSN 2447-8326**, is an event created by the Laboratory of Visual Communications of the Faculty of Electrical and Computer Engineering at the State University of Campinas. This is an excellent forum for presentations and discussions of the latest results of projects and development research in several areas of knowledge, in scientific and technological scope.

This event seeks to bring together researchers, students, and professionals from the industrial and academic sectors, seeking to create and/or strengthen the linkages between issues of joint interest. Participants are invited to submit research papers, case studies, articles of opinion, or posters, showing studies, methodologies, and results achieved in scientific level research projects, completion of course work for graduation, dissertations, and theses.

The BTSym'26 organizing committee invites researchers to attend and submit papers addressing the current research topics of interest. In 2026, the event will be held on **October 28th, and 29th at the Universidad Nacional Jose Maria Arguedas – Andahuaylas, Perú**. Proceedings of the event will be published by **Springer** publisher through the book **Proceedings of the 12th Brazilian Technology Symposium - Emerging Trends and Challenges in Technology**, and will be submitted for indexing by **Scopus, WoS, and EI Compendex database**.

In 2026, we received 98 research works, divided into: 92 articles submitted for option A and 6 articles submitted for option B.



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General information

Conference location:

Virtual via Zoom

Contact Info:

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Useful Telephone Numbers:

Police: 105

Fire Brigade: 116

These numbers may be dialed from public or mobile phones, even without a card.

Contact BTSym Support:

If you have any need for additional information, questions, concerns, and/or system issues, please feel free to contact the Editorial Office via email.

Email Address:

contact.btsym@gmail.com

Virtual Oral and Poster Presentations:

The authors are obliged to be present during the panels designated for the presentation, using the time given by the person in charge of the panel discussion or poster session. Such presentations utilize technological solutions to allow you present live.

Official Opening – Virtual Event

October 28th, 2026 (10:00 - 11:00)	
10:00 - 11:00	Official Opening - Representante del BTSym'26 - Brasil - Vicerector de Investigación de la UNAJMA - Peru
	Opening Speaker Moderator: Msc. Alex Midwar Rodriguez Ruelas

Plenary Talks - PANEL 1, 2 and 3

October 28th, 2026 (13:00 – 15:00)

Panel Discussion 1: Industry 4.0, Automation, and Industrial Processes.

Panel discussion 2: Strategic Innovation, Design, and Product Development.

Panel discussion 3: Intelligent Systems, Robotics, AI, and Telecommunications.

13:00 - 13:12	031 - Paper: Identification of Recyclable Waste Using Yolov11 Convolutional Neural Networks Authors: Antonio Arroyo Paz, Leonid Aleman Gonzales, Marga Ingaluque Arapa, Aldo Zanabria Galvez, and Jorge Polanco Arguelles
13:12 - 13:24	071 - Paper: Before the Click: Client-Side Analysis to Mitigate Scam Risk Probability in Digital Purchases Authors: Mathias Alejandro Jave Diaz, Alex Ramon Alberto Avila Asto, and Fidel Eugenio Garcia Rojas
13:24 - 13:36	088 - Paper: Anchoring Language-Model Verdicts to Source Lines: Assisted Triage of Static Analysis Security Alerts Authors: Christopher Bryan Lecca Choccare, Mariano José Ames Oviedo, and Fidel Eugenio García Rojas
13:36 - 13:48	007 - Paper: Classification of Car and Motorcycle License Plates Using Artificial Intelligence for Access Control in Private Residences Authors: José Luis Vilcabana De la cruz, Jorge Luis Silva Vélez, Ivan Adrianzen Olano, Denny John Fuentes Adrianzen, Jose Walter Ventura Chozo, and Oscar Serquén
13:48 - 14:00	030 - Paper: A Two-Phase PPO+Lyapunov Framework for Chaotic System Control: Empirical Results and Structural Limitations of On-Policy Methods Authors: Guilherme Braga do Vale, Marconi Kolm Madrid, Joao Victor Medeiros Rocha, and Lucas Sanches Garcia
14:00 – 14: 12	072 - Paper: Equipment for the Extraction of Geometric Parameters of Yagi and Logarithmic Antennas by Means of Digital Image Processing Authors: Samuel Calixto, Rodrigo Eyzaguirre, Guillermo Kemper, Hugo Hernandez, Luis Ayala, and Christian del Carpio

Plenary Talks - PANEL 1, 2 and 3

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Panel discussion 3: Intelligent Systems, Robotics, AI, and Telecommunications.

14:12 - 14:24

084 - Paper: Design and Implementation of a Bionic Hand Prosthesis with Myoelectric Control Based on Superficial EMG Signals

Authors: Luigi Saul Sucacahua Condori, Alvaro Russel Lozada Huanuco, Albert Ismael Monroy Quispe, Mixzael Brayan Ccuno Machaca, and Brayan Smith Terrazas Quispe

14:24 - 14:36

096 - Paper: Dielectric Response and Intrinsic Bioelectric Potential of Lemna Gibba for UHF Band in Eutrophic Ecosystems of Lake Titicaca

Authors: Guido Humberto Cayo Cabrera, Derly Gabriel Chique Chino, Everthon Eradio Tapia Cayo, Teobaldo Raul Basurco Chambilla, and Gregorio Meza Marocho

Plenary Talks - PANEL 4

October 29th, 2026 (10:00 – 12:00)

Panel discussion 4: Smart Cities, Infrastructure, and Sustainable Construction.

10:00 - 10:12	004 - Paper: Effect of Seashell Powder as a Partial Cement Replacement on the Workability and Strength of 28 MPa Concrete Authors: Jeyden Rosado, Ari Torres, and Jonh Tacza
10:12 - 10:24	010 - Paper: Finite Element Assessment of Shear Stress Redistribution in Jute-Reinforced Historic Adobe Walls: Application to the San Lázaro Church (Peru) Authors: Mejía Evangelista, Leonardo Juan Pablo, Veliz Arbi Alexandra Geraldine, and Toledo Espinoza Vlacev
10:24 - 10:36	023 - Paper: Guide to Standardizing Reinforced Concrete Construction Processes Using VR in Technical Training to Improve the Technical Knowledge of Workers on Multifamily Housing Projects for Medium-Sized Construction Companies Authors: Joseph Manuel Larios Ybañez, and Karem Asthrid Ulloa Román
10:36 - 10:48	032 - Paper: Experimental Evaluation of the Thermal Performance of Lightweight Fiber-Cement Roofs with Expanded Polystyrene Insulation Using Prefabricated Prototypes Authors: Lucas Luyo Torres, Jhoel Centeno Molleapaza, and José Ulises Rodríguez
10:48 - 11:00	065 - Paper: Spatial Indicator System for Evaluating Effective Pedestrian Accessibility around Mass Transit Stations Authors: Yuan Eberson Jimenez Huacac, Jhon Brays Rojas Galvez, and Fernando Ramiro Castro Aragón
11:00 – 11:12	074 - Paper: Strengthening Adobe with Festuca Dolichophylla as a Natural Reinforcement Authors: Yasmani Vitulas Quille, and Karina Reynoso Machaca
11:12 – 11:24	083 - Paper: Assessing Drought in a Northern Peru Basin Using Standardized Precipitation Index and Remote Sensing Data: A Multi-Index Approach Authors: Omar Vilcamiche Huaman, Joann Vila Patana, and Maryelvi Jimenez de Zambrano

Plenary Talks -PANEL 5

October 29th, 2026 (13:00 – 14:00)

Panel discussion 5: Health Sciences, Biomedicine, and Medical Technologies.

13:00 – 13:12	016 - Paper: Machine Learning Model Based on Resonance Imaging Magnetic to Improve Early Detection of Alzheimer's Authors: Denis Moisés Cajusol Llontop, Jhon Ronaldo Baldera Maza, Ivan Adrianzen Olano, Denny John Fuentes Adrianzén, Jessie Leila Bravo Jaico, and Giuliana Lecca Orrego
13:12 – 13:24	037 - Paper: Ergonomics Knowledge and Perceived Musculoskeletal Symptoms among Dental Students and Recent Graduates Undergoing the Academic-to-Professional Transition: A Pilot Study Authors: Kandy Faviola Tuero Chirinos, Nelly Beatriz Quispe Maquera, Betsy Quispe Quispe, Yudy Yaneth Tapia Centellas, and Vilma Mamani Cori
13:24 – 13:36	050 - Paper: Incremental and Cross-Site Evaluation of Cough Audio for Physician-Assessed Respiratory Severity Authors: Ilthon Antonio Aliaga Campos, Diego Alonso Bravo Vilca, and Christian Antonio Cipriano Portugal
13:36 – 13:48	052 - Paper: Sleep and Perceived Social Support for Concurrent Discrimination of Depressive Symptoms (PHQ-9 $\geq$ 10) in University Students in Lima, Peru Authors: Melvin Isaac Abellaneda Maldonado, Kevin Cosner Dextre Miguel, and Christian Antonio Cipriano Portugal
13:48 – 14:00	081 - Paper: Academic Procrastination and Anxiety Symptoms across Student Groups at a Public University in the Peruvian Highlands Authors: Betsy Quispe Quispe, Vilma Mamani Cori, Nelly Beatriz Quispe Maquera, Hernán Freddy Ortega Cruz, and Naysha Inmaculada Paricoto Chaiña

Official Closing – Event Virtual

October 29th, 2026 (14:00 – 15:00)	
15:00 - 16:00	Official Closing - Representante del BTSym'26 - Brasil - Vicerector de Investigación de la UNAJMA - Peru Moderator: Msc Alex Midwar Rodriguez Ruelas



**Thank you very
much!**

