

LACCEI Insights Report

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Executive Summary

In 2025, LACCEI strengthened its role as the leading engineering academic network in Latin America and the Caribbean, with 74 member institutions across 18 countries, and recognition by the OAS as the Center of Excellence in Engineering for the Americas.

The network reached more than 28,000 volunteer hours and 8,000 staff hours, organized under 4 strategic divisions and 10 standing committees, driving 20 initiatives in different key areas. Throughout the year, LACCEI participated in over 20 international events and organized high-impact spaces. These activities engaged more than a thousand young people, fostering the development of the next generation of engineers.

Institutionally, initiatives such as Nanostores, HELA, Legacy Council, and LACCEI Europe were consolidated, alongside strategic alliances with international organizations (ABENGE, ACOFI, ANFEI, ASEE, ASME, ASECEI, CONDEFI, CONFEDI, ENAEE, ENTER, GEDC, Global Colloquium, HACU, HBCU, IEEE, IFEES, RICYT, REEN, SEFI, WIPO & Others).

The 2025–2026 Action Plan prioritizes:

- Strengthening institutional capacities (Innovation & AI training, capability maturity model).
- Expanding international presence and strategic alliances.
- Evaluating and professionalizing the governance of committees and divisions.
- Developing innovation and knowledge transfer projects in strategic sectors (semiconductors, agro, sustainability, hybrid education).

In summary, 2025 marked a year of expansion, international articulation, and strengthening of the network, paving the way for the LACCEI 2026 Multi-Conference in Santiago, Chile, and the consolidation of the LACCEI Capacity Hub in 2027.

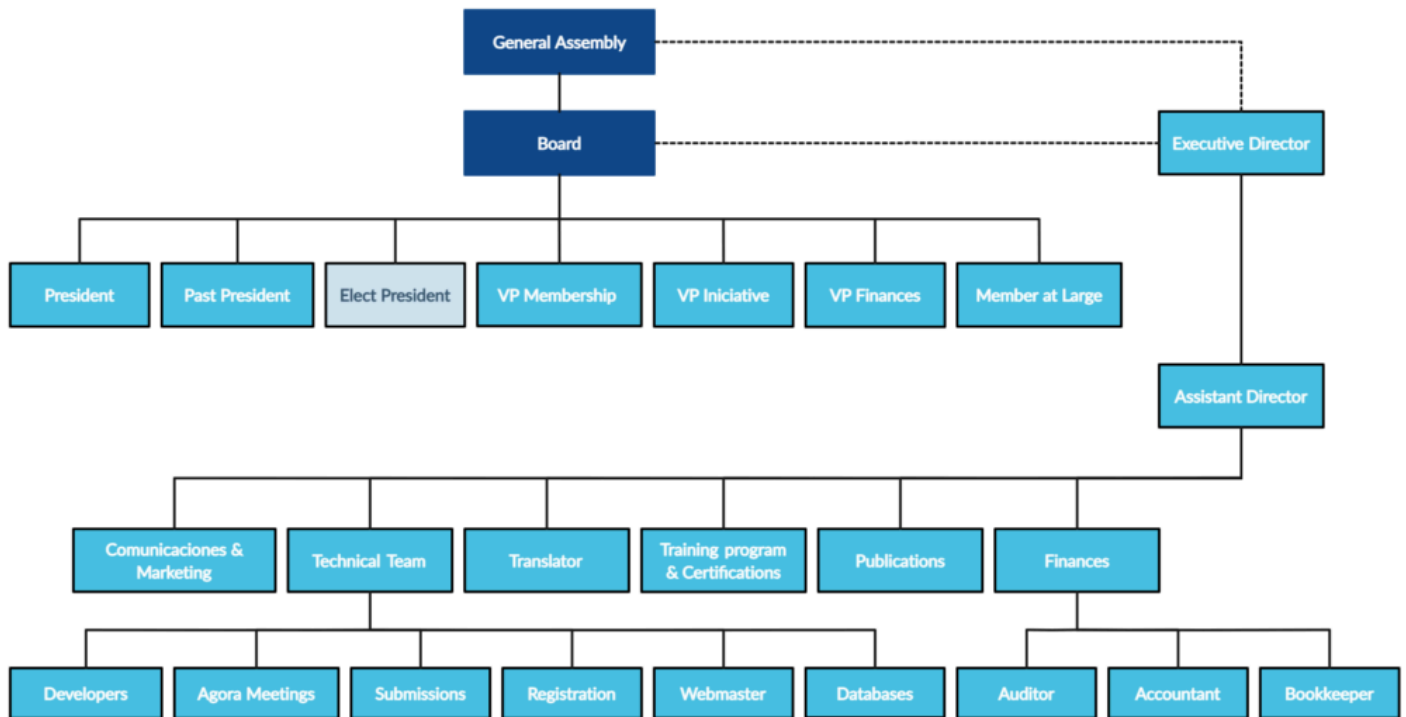
I. What is LACCEI and where are we?

LACCEI, the Latin American and Caribbean Consortium of Engineering Institutions (“Consortio Latinoamericano y del Caribe de Instituciones de Ingeniería”), is a non-profit organization legally based in Florida (USA) that brings together higher education institutions with engineering and technology programs to foster innovation, academic collaboration, and stronger ties with industry and government. LACCEI is recognized by the Organization of American States (OAS) as the Center of Excellence in Engineering for the Americas (EftA) and serves as host of the OAS Summit of Engineering for the Americas.

The mission of LACCEI is to lead actions and initiatives of engineering institutions in Latin America and the Caribbean to promote innovation, inspire collaboration in engineering and technology education and research, and foster partnerships among academia, industry, and government. LACCEI currently has 74 member institutions in 18 countries across three continents. For the past 24 years, it has organized the International Multi-Conference on Engineering, Education, and Technology, bringing together more than 1,200 participants annually. In response to initiatives and proposals arising within our academic network, since 2021 we have also promoted the LEIRD Multi-Conference, conceived as a complementary space reflecting the emerging priorities of our member institutions.

The two legal documents approved in 2017 by the LACCEI general assembly are:

1. Constitution of The LACCEI (2017): [link here](#).
2. Bylaws (2017): [link here](#).

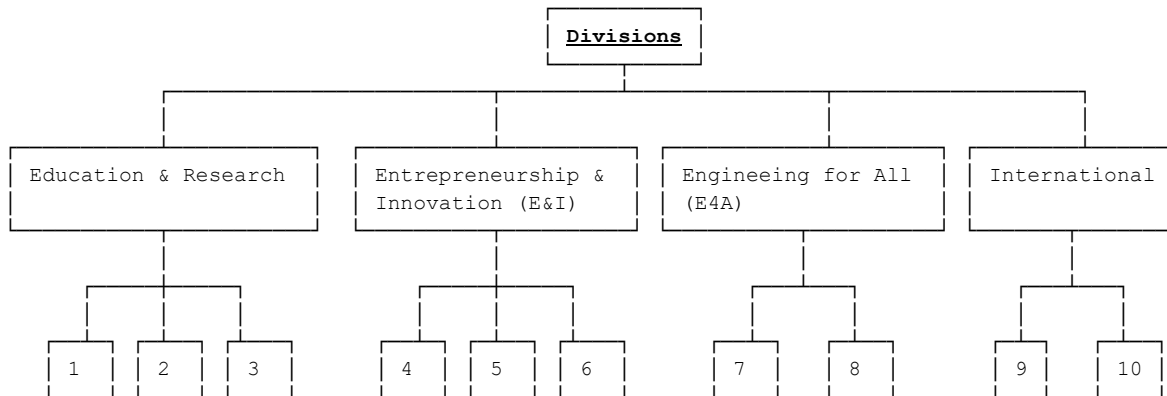


LACCEI Organizational Chart (approved by the Board on January 29, 2024)

Big Picture of LACCEI

- **74 Active Members in 2025**
- **Board 2025:** Renetta Tull, Libis Valdez, Maria Larrondo-Petrie, Fernando Zorto, Marylin Arias, Luis Martinez-Arconada, Vianney Lara
- **Board 2026:** Cuauhtemoc Godoy, Renetta Tull, Maria Larrondo-Petrie, Fernando Zorto, Marylin Arias, Luis Martinez-Arconada, Jenny Basantes

LACCEI Network: Divisions, Committees, Initiatives & Working Groups (Volunteers - 28,000 hours in 2025)



<u>Standing Committees</u> ==> <u>Initiatives & Working Groups</u>
1. Nanobio & Emerging Technology (<i>Education & Research</i>) ==> Nuclear, Semiconductor
2. Learning & Online Labs (<i>Education & Research</i>) ==> SARL, Research Lab.Virtual, Open Science, K-12
3. Prospective and Future Studies (<i>Education & Research</i>) ==> MACTOR Board & Delphis
4. ISCEI/CIPEI (<i>E&I</i>) ==> LEIRD, Nanostore
5. Sustainability and Social Impact (<i>E&I</i>) ==> Formacion, Investigacion & Gestion
6. Technological Development and Transfer (<i>E&I</i>) ==> Cátedra DT2, Aero, University Transforming
7. Women in STEM (<i>E4A</i>) ==> Cátedra Matilda , RICYT
8. African Diaspora (<i>E4A</i>)
9. Internationalization & Interculturality (<i>International</i>) ==> 2D, 3D, ORI, COIL
10. Accreditation (<i>International</i>) ==> Experts, Preparation, EURACE Connect, CDIO

<u>VP Associates and others</u>						
Deans	Grants & Donations	Students	Colombia Foundation	LACCEI Europe	Legacy Council	HELA

<u>Students</u>					
Bootcamp	Chapters	E&I	Poster & Papers	Internships	3MT

<u>Staff (7,797 hours in 2025)</u>						
Directors	Communications	Marketing	Publications	Bookkeeper	Office	Technical Team

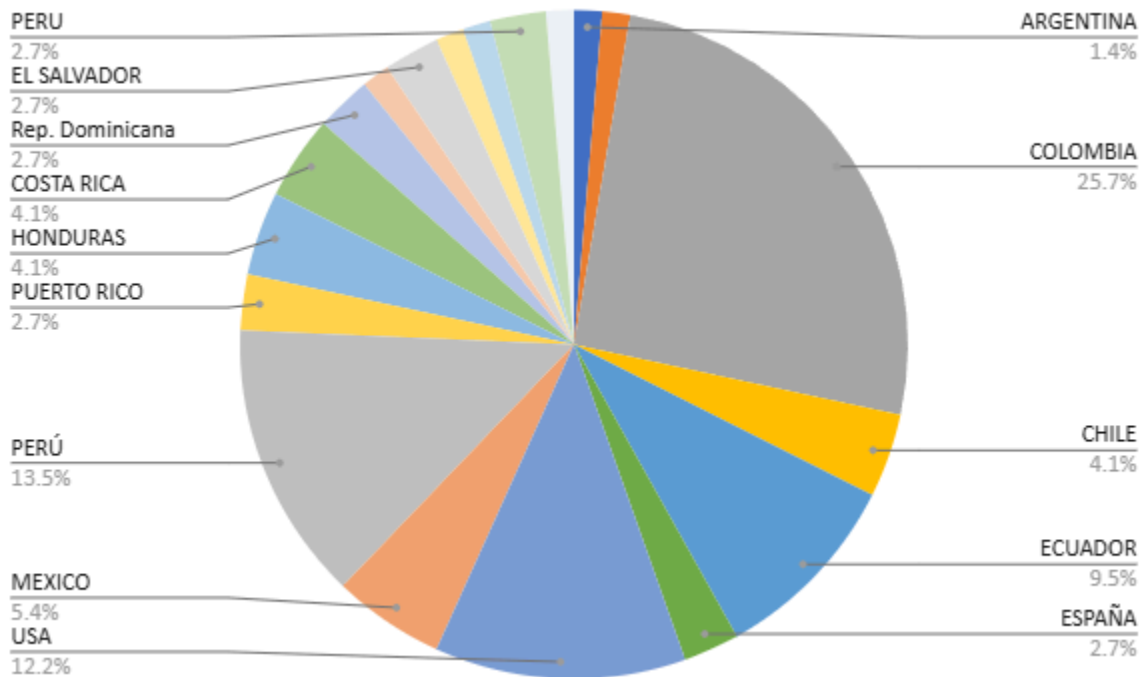
Active members as of Ago/31/2025

1. ASOCIACIÓN NACIONAL DE FACULTADES Y ESCUELAS DE INGENIERÍA - ANFEI
2. CLEMSON UNIVERSITY
3. COLEGIO FEDERADO DE INGENIEROS Y ARQUITECTOS DE COSTA RICA
4. CONTINENTAL UNIVERSITY OF FLORIDA
5. ECOLE NATIONALE D'INGENIEURS DE TARBES
6. ENTER NETWORK
7. ESCUELA POLITÉCNICA NACIONAL
8. ESCUELA SUPERIOR POLITÉCNICA DE CHIMBORAZO - ESPOCH
9. ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL
10. FLORIDA ATLANTIC UNIVERSITY
11. FUNDACIÓN UNIVERSITARIA ANTONIO DE AREVALO
12. FUNDACIÓN UNIVERSITARIA COMPENSAR
13. FUNDACIÓN UNIVERSITARIA DEL ÁREA ANDINA
14. INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY - Campus Monterrey
15. MARQUETTE UNIVERSITY
16. NORTH CAROLINA STATE UNIVERSITY
17. POLITÉCNICO GRANCOLOMBIANO
18. POLYTECHNIC UNIVERSITY OF PUERTO RICO
19. PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ
20. REDES LAB COLOMBIA
21. UNIVERSIDAD ANA G. MÉNDEZ
22. UNIVERSIDAD ANDRÉS BELLO
23. UNIVERSIDAD AUTÓNOMA DE CIUDAD JUÁREZ
24. UNIVERSIDAD BOLIVARIANA DEL ECUADOR
25. UNIVERSIDAD CATÓLICA DE SANTA MARÍA DE AREQUIPA
26. UNIVERSIDAD CATÓLICA SANTO TORIBIO DE MOGROVEJO
27. UNIVERSIDAD CENTRAL DEL ESTE
28. UNIVERSIDAD CÉSAR VALLEJO
29. UNIVERSIDAD CONTINENTAL
30. UNIVERSIDAD CONTINENTAL SAC
31. UNIVERSIDAD COOPERATIVA DE COLOMBIA
32. UNIVERSIDAD DE AMÉRICA
33. UNIVERSIDAD DE CIENCIAS Y HUMANIDADES
34. UNIVERSIDAD DE LA FRONTERA
35. UNIVERSIDAD DE LOS LLANOS
36. UNIVERSIDAD DE PAMPLONA
37. UNIVERSIDAD DEL BÍO-BÍO
38. UNIVERSIDAD DEL GOLFO DE CALIFORNIA
39. UNIVERSIDAD DISTRITAL FRANCISCO JOSÉ DE CALDAS
40. UNIVERSIDAD DON BOSCO
41. UNIVERSIDAD EL BOSQUE
42. UNIVERSIDAD ESTATAL PENÍNSULA DE SANTA ELENA
43. UNIVERSIDAD EVANGÉLICA DE EL SALVADOR

44. UNIVERSIDAD FIDÉLITAS
45. UNIVERSIDAD LA GRAN COLOMBIA
46. UNIVERSIDAD LATINA DE COSTA RICA
47. UNIVERSIDAD MARIANA
48. UNIVERSIDAD METROPOLITANA
49. UNIVERSIDAD NACIONAL ABIERTA Y A DISTANCIA
50. UNIVERSIDAD NACIONAL AUTÓNOMA DE HONDURAS
51. UNIVERSIDAD NACIONAL DE COLOMBIA
52. UNIVERSIDAD NACIONAL DE INGENIERÍA
53. UNIVERSIDAD PEDAGÓGICA Y TECNOLÓGICA DE COLOMBIA
54. UNIVERSIDAD POLITÉCNICA DE MADRID
55. UNIVERSIDAD POPULAR AUTÓNOMA DEL ESTADO DE PUEBLA
56. UNIVERSIDAD PRIVADA BOLIVIANA
57. UNIVERSIDAD PRIVADA DEL NORTE
58. UNIVERSIDAD PRIVADA SAN JUAN BAUTISTA
59. UNIVERSIDAD RICARDO PALMA
60. UNIVERSIDAD SIMÓN BOLÍVAR
61. UNIVERSIDAD TÉCNICA DE AMBATO
62. UNIVERSIDAD TECNICA PARTICULAR DE LOJA
63. UNIVERSIDAD TECNOLÓGICA CENTROAMERICANA
64. UNIVERSIDAD TECNOLÓGICA DE BOLÍVAR
65. UNIVERSIDAD TECNOLÓGICA DE PANAMÁ
66. UNIVERSIDAD TECNOLÓGICA DE PEREIRA
67. UNIVERSIDAD TECNOLÓGICA DE SANTIAGO
68. UNIVERSIDAD TECNOLÓGICA DEL PERÚ S.A.C.
69. UNIVERSIDAD TECNOLÓGICA NACIONAL DELTA
70. UNIVERSIDAD ZAMORANO
71. UNIVERSITAT POLITÈCNICA DE VALÈNCIA
72. UNIVERSITY OF CALIFORNIA DAVIS
73. UNIVERSITY OF TEXAS AT DALLAS
74. VAUGHN COLLEGE OF AERONAUTICS AND TECHNOLOGY
75. VIRGINIA STATE UNIVERSITY

<https://laccei.org/participating-institutions/>









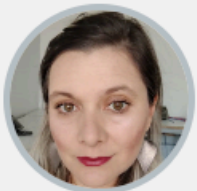







#	Country	#	%
1	ARGENTINA	1	1.35
2	PORTUGAL	1	1.35
3	COLOMBIA	19	25.68
4	CHILE	3	4.05
5	ECUADOR	7	9.46
6	ESPAÑA	2	2.70
7	USA	9	12.16
8	MEXICO	4	5.41
9	PERÚ	10	13.51
10	PUERTO RICO	2	2.70
11	HONDURAS	3	4.05
12	COSTA RICA	3	4.05
13	Rep. Dominican	2	2.70
14	PANAMÁ	1	1.35
15	EL SALVADOR	2	2.70
16	VENEZUELA	1	1.35
17	FRANCIA	1	1.35
18	PERU	2	2.70
19	BOLIVIA	1	1.35
		74	100.00



Board 2025


According to Bylaw #6 of LACCEI, the officers are:

1. President
2. Immediate Past President
3. President Elect
4. Vice President Finance
5. Vice President Initiatives
6. Vice President Membership
7. Member at Large
8. Executive Director (will serve on the Board as Ex-officio member)


 <p>Renetta Garrison Tull PRESIDENT <i>University of California, Davis</i> United States</p> 	 <p>Libis Valdez Cervantes PAST PRESIDENT <i>Fundacion Universitaria Antonio de Arévalo – UNITECNAR</i> Colombia</p> 	 <p>María Mercedes Larrondo Petrie EXECUTIVE DIRECTOR <i>Florida Atlantic University</i> United States</p> 	 <p>Fernando Zorto VP INITIATIVES <i>Universidad Nacional Autónoma de Honduras</i> Honduras</p> 
 <p>Marylin Arias Soto VP MEMBERSHIPS <i>Universidad Latina</i> Costa Rica</p> 	 <p>Luis Fernando Martínez Arconada VP FINANCES <i>École Nationale d'Ingénieurs de Tarbes</i> France</p> 	 <p>Vianney Lara Prieto MEMBER AT LARGE <i>Instituto Tecnológico y de Estudios Superiores de Monterrey (ITESM)</i> Mexico</p> 	 <p>Cuauhtemoc Godoy PRESIDENT ELECT <i>Polytechnic University of Puerto Rico</i> Puerto Rico</p> 

LACCEI Officers as of August 1, 2025



Board 2026





Cuauhtemoc Godoy
PRESIDENT
Polytechnic University of Puerto Rico
Rico
United States





Renetta Garrison Tull
PAST PRESIDENT
University of California, Davis
United States





María Mercedes Larrondo Petrie
EXECUTIVE DIRECTOR
Florida Atlantic University
United States



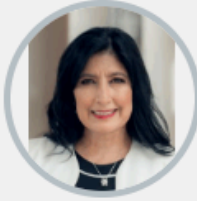

Fernando Zorto
VP INITIATIVES
Universidad Nacional Autónoma de Honduras
Honduras




Marylin Arias Soto
VP MEMBERSHIPS
Universidad Latina
Costa Rica



Luis Fernando Martínez Arconada
VP FINANCES
École Nationale d'Ingénieurs de Tarbes
France



Jenny Basantes
MEMBER AT LARGE
Escuela Superior Politécnica de Chimborazo
Ecuador



LACCEI Officers as of January 1, 2026 (Bylaw #6)

PRESIDENT ELECTED 2026

Cuauhtemoc Godoy is: [Biography](#)

President 2026 (1 year term)

Polytechnic University of Puerto Rico, Professor. Associate Dean – College of Engineering and Geomatic Sciences

Functions of The President:

- Represent LACCEI and lead any representation of the Corporation in any act in which it participates.
- Preside and direct the meetings of the General Assembly and the Board of Directors of LACCEI.
- Call the meetings of the Board of Directors as established in the internal manual.
- Ensure compliance with BYLAWS and the internal manual throughout the organization.
- Sign the official correspondence and the minutes together with the Executive Director.
- Enforce the agreements adopted in the General Assembly and the Board of Directors.
- When deemed appropriate, the President may delegate functions to another member of the Board.
- Propose or revise the Strategic Plan and the annual Work Plan for approval by the Board of Directors.

Relationship with LACCEI: [click here](#).

Proposal for the Presidency of LACCEI ([more info: click here](#)):

1. Enhancing learning through the strategic use of technology as an instructional tool.
2. Development of digital courses with curated instructional content repositories.
3. COIL courses (Collaborative Online International Learning) using holographic classrooms.
4. Faculty training for the digital transformation of teaching.

VP INITIATIVES ELECTED 2026-2027

Fernando Jose Zorto Aguilera: [Biography](#)

Vice President of Initiatives (2 year term)

Universidad Nacional Autónoma de Honduras. University Professor in Engineering and Director of the Institute for Applied Science and Technology Research.

Functions of The VP of Initiatives:

- Propose to the Board of Directors and implement, after approval, a plan of activities that contribute to the fulfillment of the mission and goals of the consortium.
- Carry out other functions entrusted by the Board of Directors or the President.

Relationship with LACCEI: [click here](#).

Proposal for the VP of Initiatives ([more info: click here](#)):

1. Creation of the Latin American and Caribbean Observatory of Emerging Technologies.
2. Promotion of the Virtual Training Platform.
3. Establishment of a Capacity-Building Hub.
4. Creation of the LACCEI Virtual Research Laboratory.
5. Continue developing initiatives linked to the existing Standing Committees, as well as those to be established.

MEMBER AT LARGE ELECTED 2026-2027

Jenny Lilian Basantes Avalos: [Biography](#)

Member at Large (2 year term)

Escuela Superior Politécnica de Chimborazo (Ecuador). Academic Vice-rectorate

Functions of the Member at Large:

- In coordination with the Executive Director, present these regulations and other aspects of the organization of the Consortium to the new members of the Board of Directors and recently elected officials, to the associate vice-presidents and coordinators of Committees, to the members of committees, and to other newly appointed collaborators.
- Carry out other functions entrusted by the Board of Directors or the President.

Relationship with LACCEI: [click here](#).

Proposal for the Member at Large ([more info: click here](#)):

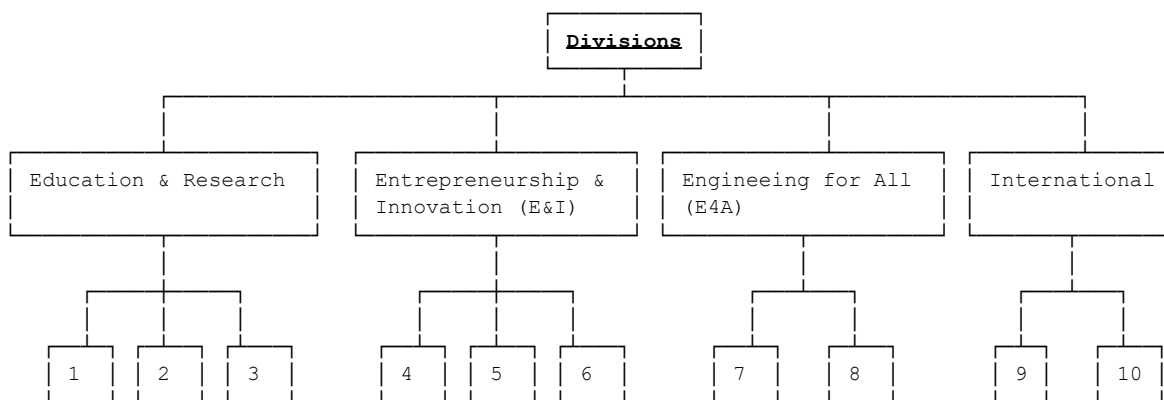
1. Encourage ESPOCH participation in LACCEI events and publications.
2. Promote dual degrees and international mobility.
3. Support joint calls with thematic research networks.
4. Create spaces for knowledge transfer and best practices.
5. Foster ongoing dialogue between faculty and students with a focus on values.

LACCEI Network

Definitions to be considered in order to avoid ambiguities (all must be approved by the Board) and aligned with the mission, goals, and objectives of LACCEI (according to Article II of the Constitution):

Divisions

Divisions are a grouping of Standing Committees organized by strategic thematic areas (we have 4). Each Division is led by a professor from a LACCEI member institution, who serves as the Division Chair. Its primary role is to articulate and coordinate the efforts of the committees around a common thematic axis.



Standing Committees, Initiatives & Working Groups

Standing Committee: A formal and permanent structure that brings together members from at least five (5) active LACCEI member institutions to address a specific topic of relevance to the consortium.

Working Groups: Natural subdivisions of the Standing Committees, made up of experts or members interested in more specific aspects of the committee’s theme. Their function is to develop projects, activities, and tangible outcomes.

Projects or Initiatives: Actions or programs that may be proposed by Division Directors, Associate VPs, or Standing Committee Chairs. All projects and initiatives must be submitted for review and approval by the Board.

Standing Committees ==> Initiatives & Working Groups
1. Nanobio & Emerging Technology (Education & Research) ==> Nuclear, Semiconductor
2. Learning & Online Labs (Education & Research) ==> SARL, Research Lab.Virtual, Open Science, K-12
3. Prospective and Future Studies (Education & Research) ==> MACTOR Board & Delphis
4. ISCEI/CIPEI (E&I) ==> LEIRD, Nanostore
5. Sustainability and Social Impact (E&I) ==> Formacion, Investigacion & Gestion
6. Technological Development and Transfer (E&I) ==> Cátedra DT2, Aero, University Transforming
7. Women in STEM (E4A) ==> Cátedra Matilda , RICYT
8. African Diaspora (E4A)
9. Internationalization & Interculturality (International) ==> 2D, 3D, ORI, COIL
10. Accreditation (International) ==> Experts, Preparation, EURACE Connect, CDIO

VP Associates and others

Associate VPs (Ad Hoc Committees): Responsible for leading specific programmatic areas that require specialized attention and do not overlap with the functions of the Standing Committees. They are created and approved by the Board and report directly to the corresponding Vice Presidency.

VP Associates and others						
Deans	Grants & Donations	Students	Colombia Foundation	LACCEI Europe	Legacy Council	HELA

Students:

Students					
Bootcamp	Chapters	E&I	Poster & Papers	Internships	3MT

Periodic Evaluation:

Every three (3) years, a comprehensive evaluation will be conducted on the results and impact of the Divisions, Committees, Working Groups, and Projects/Initiatives. These evaluations will allow for the assessment of their performance, ensure their alignment with the mission and objectives of LACCEI, and determine whether the corresponding structures should continue, be restructured, or concluded.

II. Events

LEIRD 2025

The LACCEI International Multiconference on **Entrepreneurship, Innovation and Regional Development 2025 (LEIRD 2025)** has been consolidated as a key forum to foster innovation, entrepreneurship, and regional competitiveness. This year, the main theme will be “Entrepreneurship with Purpose: Social and Technological Innovation in the Age of AI”, taking place from December 1 to December 3, 2025. Universidad Tecnológica de Bolívar.

<https://laccei.org/leird2025/>

Training - Spring Break 2026

With the purpose of supporting academic authorities (presidents, vice presidents, deans, coordinators, institutional liaisons, among others), LACCEI invites its member institutions to participate in a Training on Innovation & Artificial Intelligence, to be held from **Monday, March 9 to Wednesday, March 11, at Florida Atlantic University (Boca Raton, FL)**.

Objective: To strengthen the academic, scientific, and technological productivity of our member universities by sharing strategies to achieve success indicators and consolidate effective links with industry and productive sectors across the diverse contexts and cities where our institutions operate.

Proposed Agenda:

- Monday, March 9 (8h): Critical Workshop on AI (aligned with the OAS Action Plan)
- Tuesday, March 10 (4h): Florida Innovation Ecosystem
- Tuesday, March 10 (4h): Seed Projects for Strengthening Institutional Capacities
- Wednesday, March 11 (4h): Capabilities Model
- Thursday, March 12 (4h): Strategic Internal Reflection Session on the Future of LACCEI (mandatory for Board members)

Key Milestones (2025–2027):

- December 2025 – LEIRD 2025: Capacity Building
- March 2026: Training on Innovation & AI
- July 2026 – Chile: Presentation of Seed Projects
- December 2026 – LEIRD 2026: Strategies for Institutionalizing Capacities in Engineering Universities
- March 2027 (tentative): Consolidation of the LACCEI Capacity Hub
- July 2027: To be defined

General Information:

- Participation: One representative per member institution; additional participants will incur a cost.
- Cost: Free of charge for active LACCEI member institutions.
- Confirmation: Registration form: <https://forms.gle/FTxJMmmd6dM56GE69>
- Coverage: LACCEI will not cover airfare or lodging; it will cover coffee breaks and lunches during the sessions.

LACCEI 2026 (Chile)

LACCEI was selected by the Organization of American States (OAS) in 2005 to be part of the Engineering for the Americas (EftA) action plan to advance the accreditation and quality assurance of engineering programs in the Americas. As of 2016, the OAS officially established “The OAS Engineering Summit for the Americas” to coincide with the LACCEI International Multiconference and designated our organization as the OAS “Engineering Center of Excellence for the Americas”, an important credential that allows LACCEI to strengthen the quality of education in Engineering, Academic Leadership and Student Competitions. Santiago de Chile, del 15 al 17 de julio. Intercontinental Hotel.

<https://laccei.org/laccei2026/>



LEIRD 2026

Tentatively from November 30th to December 2nd

Location: To be decided by the Board

<https://laccei.org/leird2026/>

Workshops & Webinars

All standing committees and initiatives are announcing webinars and workshops in the coming weeks via social media and email.

<https://laccei.org/webinars/>

LACCEI Mission in events

- **February 2025** – Institutional visit to Mexico (LACCEI Multi-Conference 2025)
- **March 2025** – Institutional visit to Guatemala
- **March 2025** – Institutional visit to Panama
- **March 2025** – Institutional visit to the OAS (Organization of American States)
- **April 2025** – Institutional visit to Chile (LACCEI Multi-Conference 2026)
- **April 2025** – Participation in **STE 2025**, Chile
- **June 2025** – Participation in **EUR-ACE Connect**, Lisbon
- **June 2025** – Participation in **ANFEI 2025**, Mexico
- **June 2025** – Participation in **ASEE 2025** (with booth), USA
- **June 2025** – Participation in **HACU International**, Costa Rica
- **August 2025** – Institutional visit to Universidad Tecnológica de Bolívar (LEIRD 2025), Colombia
- **September 2025** – Participation in **ABENGE 2025** (with booth), Brazil
- **September 2025** – Participation in **ACOFI 2025** (with booth), Colombia
- **September 2025** – Participation in **SEFI 2025**, Finland
- **September 2025** – Participation in **WEEF 2025**, Republic of Korea
- **October 2025** – Participation in **DEMOCON 2025**, Boca Raton, USA
- **November 2025** – Participation in **HACU 2025** (with booth), Denver, USA
- **November 2025** – Participation in **RICYT 2025**, Uruguay

III. Reports of Standing Committees

1. NanoBio & Emerging Technologies

Impulsar investigación aplicada, formación y transferencia en nanociencia, biotecnología y tecnologías emergentes (p. ej., nanomateriales, semiconductores, bioingeniería, sensores, dispositivos médicos e IA aplicada). Sus líneas de acción incluyen vigilancia y prospectiva tecnológica, proyectos interinstitucionales con industria y gobierno, y capacitación (talleres, guías y laboratorios). Coordinator is Dr. Laura Romero (Tecnologico de Monterrey - Mexico. romero@tec.mx).

Nuclear Energy

Plataforma académica y técnica para articular universidades, industria y entes públicos en torno a la formación, investigación aplicada y divulgación sobre energía nuclear. Coordinator is Ing. Miguel Sosa (Universidad Tecnológica Nacional de Argentina - Delta. sosam@frd.utn.edu.ar).

Semiconductors

LACCEI Semiconductors Working Group (Grupo de Trabajo: Semiconductores de LACCEI). Establecer redes de colaboración entre universidades miembros de LACCEI, la industria y otros organismos relacionados, para el desarrollo del conocimiento especializado en semiconductores requerido en la Universidades que permita cubrir las necesidades de esta creciente industria. Coordinator is Dr. Melania Solano (Universidad Fidelitas - Costa Rica. mesolano@ufidelitas.ac.cr).

<https://laccei.org/semiconductors/>

2. Learning Engineering and Online Laboratories

The LACCEI “Standing Committee” in Learning Engineering and online laboratories has the purpose of generating international collaboration among researchers from LACCEI member institutions, as well as promoting research and generation of proposals for grants. The Coordinator is Dr. Maria Larrondo Petrie (Florida Atlantic University, USA - petrie@fau.edu & petrie@laccei.org). El email oficial del comité es onlinelabs@laccei.org.

<https://laccei.org/learning-engineering-and-online-laboratories/>

K-12

Las iniciativas K-12, que abarcan todos los niveles de educación formal previos al ingreso universitario (Kindergarten through 12th grade / Preuniversitario) y que conectan a los estudiantes con la ingeniería, son especialmente relevantes. Estas iniciativas brindan las bases para que los jóvenes comprendan las diversas trayectorias que pueden seguir para formarse como ingenieros. Por ello, resulta fundamental visibilizar y respaldar este tipo de programas, con el fin de seguir inspirando a la próxima generación de ingenieros, líderes e innovadores que darán forma a la sociedad en los años venideros. Coordinator is Dr. Homero Murzi. (Texas A&M University, TAMU - USA. hmurzi@tamu.edu).

<https://laccei.org/k-12/>

The K-12 Engineering Initiatives Competition is a platform that brings together diverse initiatives to showcase innovative projects that inspire and motivate pre-university (K-12) students to consider careers in engineering. Its goal is to highlight programs and actions that effectively bridge the gap between early education and opportunities in science and engineering.

<https://laccei.org/laccei2026/k-12/>

SARL & Lab in a Window

Smart Adaptive Remote Laboratory (SARL) is a system designed to provide the user an individualized experience by automatically adapting the experiments according to the student's current level of knowledge and experience. The system uses the student profile and academic information to adapt the activities and complexity of the experiment. Hence, each user will have access to different versions of the same experiments. The Coordinators are Dr. Maria Larrondo Petrie (Florida Atlantic University - petrie@fau.edu & petrie@laccei.org), and Dr. Luis Felipe Zapata (Embry Riddle Aeronautical University, USA - zapatarl@erau.edu). This action promote research and proposals, and support development in areas such as:

- Hemispheric infrastructure for low-cost online laboratories in Latin America, Caribbean, Africa
- Technological tools for integrating learning processes in STEM
- Standards, authoring tools, hybrid/mobile lab experiences

Key Events:

- IEEE / LACCEI 2025 Panel: Learning Engineering & Online Laboratories. Panel Organizer and Panelist for the “Learning Engineering and Online Laboratories” panel at the 23rd LACCEI International Multi-Conference (July 16–18, 2025). This meeting increased the visibility of the committee within the LACCEI community.
- CIINATIC 2024 (Colombia) — Keynote Speech. As keynote speaker at the XI International Congress on Innovation & Appropriation of ICT (REDIS) in November 2024, you presented “Online Laboratories as a Tool for Engineering Education.”. This contributed to visibility and connection with Latin American institutions actively working in online labs.
- ASEE 2025 (Montreal, Canada). The interactions in this event with faculty members, administrators and industry representatives help bridge the committee’s initiatives with active research groups and laboratories (e.g. adaptive remote labs)
- SARL Meetings. Regular meetings with the SARL (Smart Adaptive Remote Laboratory / Lab in a Window) group to coordinate collaborative efforts.

The progress includes the redefinition of SARL OLMS with the help of Harry Vecchio.

Open Science

The LACCEI “Open Science Group” was born out of a need to address the issue of Open Science and generate spaces for international collaboration between researchers from LACCEI member institutions and the engineering academic-scientific community in Latin America and the Caribbean, promoting the research and development of Open Science proposals applied in Engineering. The Coordinator is Dr. Juan Sebastian Gonzalez (Universidad Pedagógica y Tecnológica de Colombia - juansebastian.gonzalez@uptc.edu.co).

<https://laccei.org/open-science/>

AI Workshop

El Workshop Internacional: "Soluciones que Transforman: Ingeniería, IA y Sostenibilidad para Grandes Retos" tuvo como objetivo entrenar a docentes e investigadores universitarios en las habilidades digitales esenciales para la era actual, permitiéndoles crear contenido innovador y formar nuevas generaciones de profesionales con competencias del siglo XXI. Se enfocará en el desarrollo de habilidades digitales, herramientas de enseñanza y estrategias de participación estudiantil en el contexto de la Educación 5.0, integrando inteligencia artificial, sostenibilidad y enfoques educativos transformadores.

Coordinator is Dr. Edgar Lopez (Tecnologico de Monterrey - edlopez@tec.mx). La jornada estará estructurada en seis grandes temas, que representan a los Comités Permanentes de LACCEI. Cada tema contará con un Working Group, conformando así cinco grupos de trabajo:

- Biotech
- Educación
- Emprendimiento e Innovación
- Mujeres en STEM
- Sustainability and Social Impact
- Investigación

Workshop with Araceli Ortiz

The Workshop Internacional "Building Global Communication Competency in Engineering: Empowering Students for Cross-Sector Success" focuses on strengthening communication skills and global competencies for effective collaboration across Government, Industry, and Academia. The Building Global Communication Competency in Engineering initiative introduces a strategic approach and adaptable resources to better prepare undergraduate engineering students for the demands of a globally connected workforce. This workshop is designed for engineering faculty and instructors seeking to enhance their students' global communication skills for success. The Building Global Communication Competency in Engineering workshop will guide participants through effective strategies and resources that support the integration of global communication competencies into engineering education. Coordinator is Dr. Araceli Martinez Ortiz (University of Texas at San Antonio - araceli.ortiz@utsa.edu).

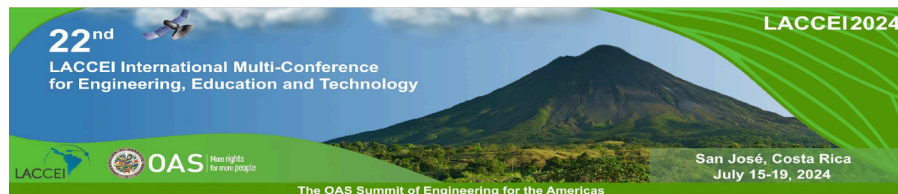
3. Prospective and Future Studies

The LACCEI Standing Committee on Prospective and Future Studies aims to generate prospective learning spaces and lead applications for future studies on the various fields of STEM (Science, Technology, Engineering and Mathematics) in order to serve as input for new research topics, areas, cycles, innovative curricula and projects that influence Engineering programs, academics and researchers. Coordinator: Jhon Wilder Zartha Sossa, Ph.D. jhon.zartha@upb.edu.co

<https://laccei.org/comite-permanente-de-laccei-en-prospectiva-y-estudios-de-futuro/>

Delphi “Economics in Engineering”

Realizado en la multiconferencia LACCEI 2024 en San Jose de Costa Rica. El tema fue “Economics in Engineering”



22nd LACCEI International Multi-Conference for Engineering, Education and Technology


LACCEI 2024

San José, Costa Rica
July 15-19, 2024

The OAS Summit of Engineering for the Americas

Delphi Study LACCEI 2032 - Economics in Engineering

The OAS Summit of Engineering for the Americas 22nd LACCEI International Multi-Conference for Engineering, Education and Technology Sustainable Engineering for a Diverse, Equitable, and Inclusive Future at the Service of Education, Research, and Industry for a Society 5.0. July 17-19, 2024 (Hybrid) – San Jose, Costa Rica



The OAS Summit of Engineering for the Americas: 22nd LACCEI International Multi-Conference for Engineering, Education, and Technology, July 17-19, 2024
“Sustainable Engineering for a Diverse, Equitable, and Inclusive Future at the Service of Education, Research, and Industry for a Society 5.0” San Jose, Costa Rica

Temas/tecnologías prioritarias en el estudio Delphi Study LACCEI 2032 - Economics in Engineering

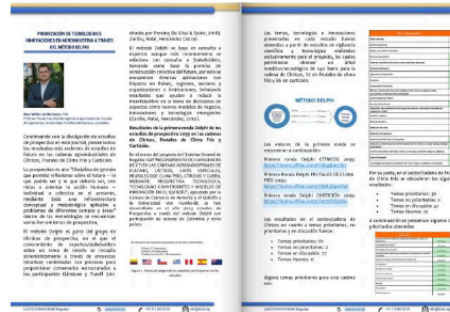


los temas/tecnologías prioritarios se dividieron en dos categorías, aquellos que quedaron prioritarios en las dos rondas más los temas/tecnologías que pasaron de Discusión a prioritarios en la segunda ronda, el resumen consolidado se presenta a continuación.

EQUIPOS DE ALTA GAMA		NUEVOS MATERIALES	INDUSTRIA VERDE
Large aircraft, unmanned military aerial vehicles, small and low-cost general aviation equipment Grandes aviones, vehículos aéreos militares no tripulados, equipos de aviación general pequeños y de bajo costo		New energy sources for materials Nuevas fuentes de energía para materiales	Non-conventional natural gas industry Industria de gas natural no convencional
Integrated system with remote sensing, communications and broadcasting functions Sistema integrado con funciones de teledetección, comunicaciones y radiodifusión		Non-metallic inorganic materials industry Industria de materiales inorgánicos no metálicos	Comprehensive energy services industry Industria de servicios energéticos integrales
Marine equipment Equipos marinos		Metal materials engineering Ingeniería de materiales metálicos	Geothermal industry Industria geotérmica
		Carbon fiber materials Materiales de fibra de carbono	
NUEVAS TIC s	INDUSTRIA BIOLÓGICA	INDUSTRIA CREATIVA DIGITAL	
Next generation networking technology Tecnología de redes de próxima generación	Treatment techniques and medications Técnicas de tratamiento y medicamentos	Precise distribution of digital content Distribución precisa de contenidos digitales	
Cutting edge computing Computación de punta	Rehabilitation and reconstruction Rehabilitación y reconstrucción	Audiovisual content with real-world experience Contenidos audiovisuales con experiencia del mundo real	
Operating systems and software Sistemas operativos y software	Biomanufacturing of chemicals and materials Biofabricación de productos químicos y materiales	Mixed real world and virtual world experience Experiencia mixta del mundo real y del mundo virtual	
Quantum computing Computación cuántica	Bioreactor and equipment technology Tecnología de biorreactores y equipos	Holographic images and immersive experience Imágenes holográficas y experiencia inmersiva	

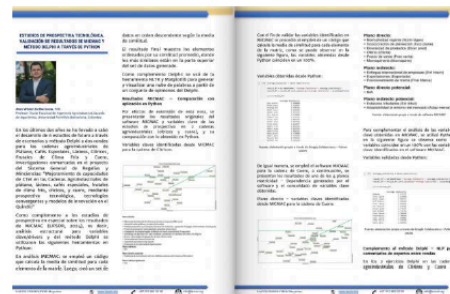
The OAS Summit of Engineering for the Americas: 22nd LACCEI International Multi-Conference for Engineering, Education, and Technology, July 17-19, 2024
“Sustainable Engineering for a Diverse, Equitable, and Inclusive Future at the Service of Education, Research, and Industry for a Society 5.0” San Jose, Costa Rica

Magazine Innovation



<https://www.flipsnack.com/959957C7C6F/revista-innovation-febrero-2024.html>

Estudios de prospectiva tecnológica. Validación de resultados de MICMAC y método Delphi a través de Python



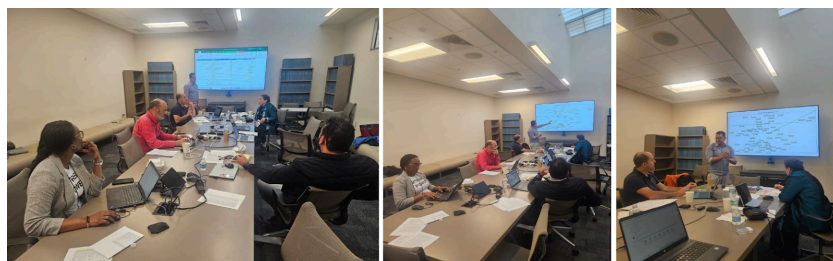
<https://www.flipsnack.com/959957C7C6F/innovation-july-2024.html>



<https://www.flipsnack.com/959957C7C6F/magazin-innovation-octubre-2024.html>

MICMAC - Board

Realizado en la actividad de marzo 2025 en Boca Raton.

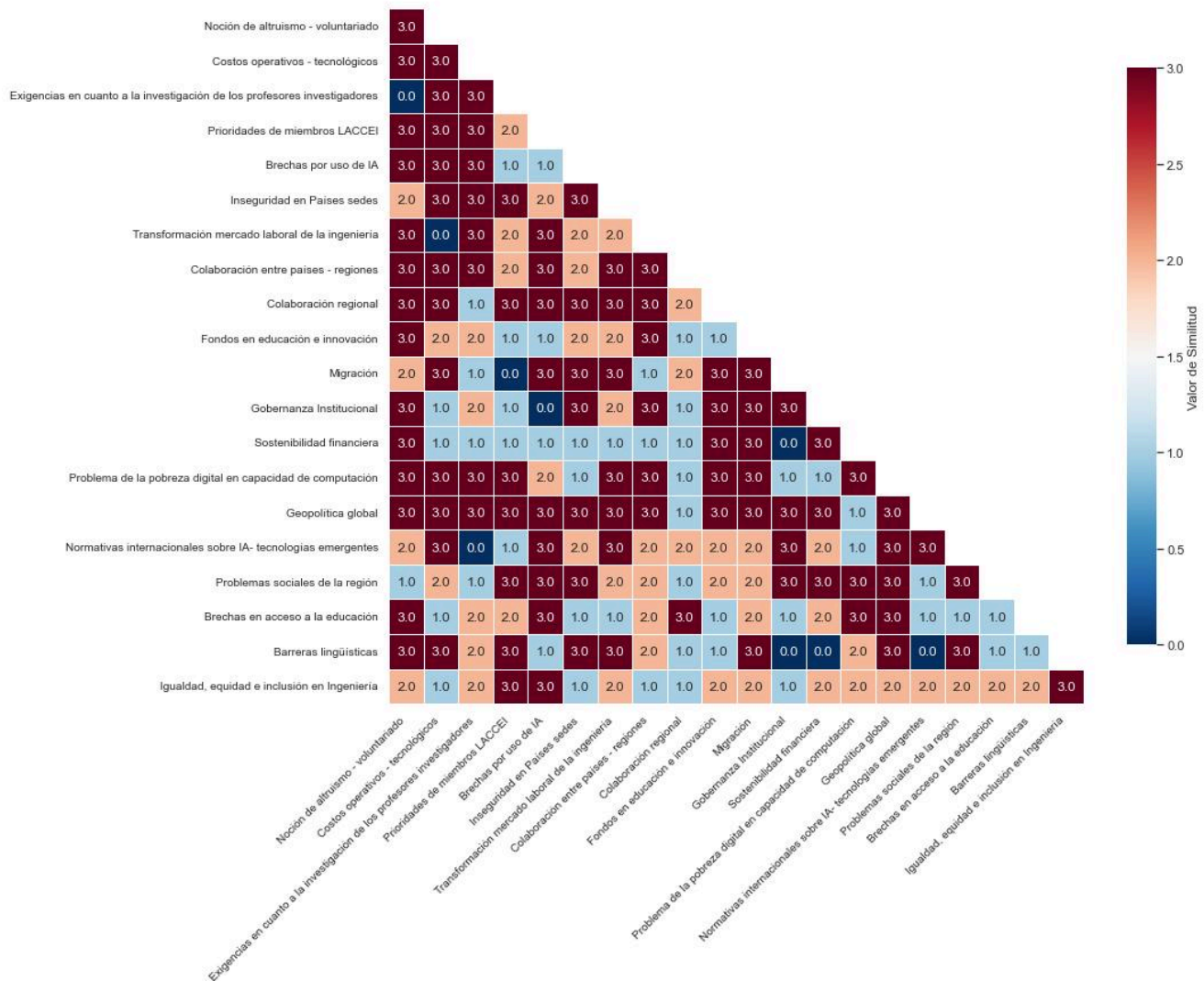


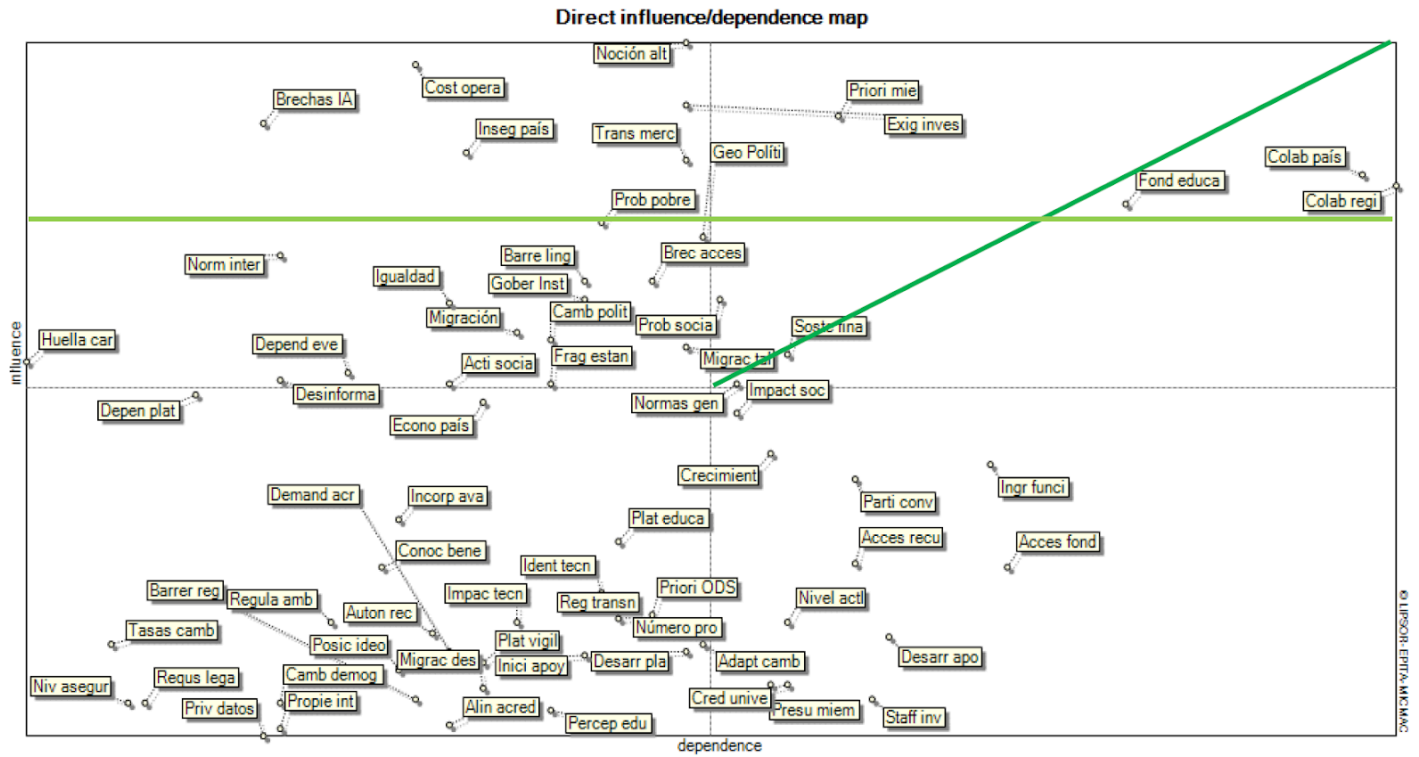
Florida Atlantic University

23rd LACCEI International Multi-Conference for Engineering, Education and Technology

- Taller MICMAC - Informe ejecutivo con variables clave
- Presentación Delphi 2032 Tecnologías transformativas
- Realización de taller – Encuesta Hypecycle en tecnologías e innovaciones emergentes en IA.
- Presentación del paper [TECHNOLOGICAL MANAGEMENT FOR THE DEVELOPMENT OF PROTOTYPES IN THE PLANTAIN AGRIBUSINESS CHAIN. A look from S-Curves, the Patent-Papers matrix and Hypecycle] - 2434
- Taller método MACTOR con Board LACCEI – Informe ejecutivo
- Paper para revista indexada Tecnologías Transformativas y ART – RSL
- Participación en notas para el Journal Innovation de LACCEI

Matriz de Correlación: Top 20 Variables Más Importantes





Delphi “Transformative Technologies and Converging Technologies”

**LACCEI Delphi Study 2032 - Transf
ormative Technologies and Conv
eraina Technoloaies**

Hypecycle in Engineering Education - Mexico

LACCEI 2025
Mexico City, July 16 - 18






The OAS Summit of Engineering for the Americas

HYPECYCLE EN TECNOLOGÍAS E INNOVACIONES EMERGENTES EN IA - FORMACIÓN EN INGENIERÍA

HYPE CYCLE IN EMERGING TECHNOLOGIES AND INNOVATIONS IN AI - ENGINEERING EDUCATION.



Fuente: Gartner 2009; Steinert and Leifer (2010); Zartha et al (2020); Botero et al (2024)

HYPECYCLE EN TECNOLOGÍAS E INNOVACIONES EMERGENTES EN IA - FORMACIÓN EN INGENIERÍA



Qué estrategias, proyectos, actividades podría implementar una escuela/facultad de Ingeniería para la adopción de las tecnologías, innovaciones en IA presentadas en este instrumento?

MACTOR - Board

Taller método MACTOR con Board LACCEI

El taller fue realizado en el marco de la Multiconferencia de LACCEI 2025 llevada a cabo en Ciudad de México, el diligenciamiento de las matrices fue realizado conjuntamente por miembros del Board de LACCEI conformado por María Mercedes Larrondo Petrie, Renetta Garrison Tull, Jose Texier, Cuauhtemoc Godoy, Luis Fernando Martínez Arconada, Fernando Zorto y Miguel Sosa.



Los invitamos a participar en los nuevos estudios de futuro liderados por LACCEI y el comité de prospectiva y estudios de futuro:

Link: <https://forms.office.com/r/E40pqqmwun>



Propósito: El objetivo de este estudio es priorizar las tecnologías, innovaciones y nuevos negocios relacionados con el Centro de Desarrollo Tecnológico Agroindustrial - CDTA al año 2040.

Fecha límite: octubre 10 de 2025

Link: <https://forms.office.com/r/CJwEfwM1D2>



Propósito: Identificar y priorizar Tecnologías Transformativas y tecnologías convergentes (Digital, Green, Nano, Bio, Neuro) de importancia estratégica para la Ingeniería con horizonte a 2032

Fecha límite: 17 de octubre de 2025

4. CIPEI (ISCEI)

LACCEI's International Standing Committee on Entrepreneurship and Innovation (ISCEI – in Spanish: CIPEI, Comité Internacional Permanente de Emprendimiento e Innovación) aims to advise the organization's Board of Directors on strategies to promote entrepreneurship; serve as a forum for the exchange of experiences and good practices between Engineering, Technology and Computer Science institutions and other LACCEI-related organizations; as well as providing leadership and support to collective initiatives. Among the main strategies of interest to the Committee are Academic Entrepreneurship Programs, Entrepreneurship Support Programs, and Entrepreneurship Promotion Events. Its scope of action will be the Latin American and Caribbean region. Coordinator: Dr. Luis Carlos Arraut (Universidad Tecnológica de Bolívar - Colombia), larraut@utb.edu.co.

<https://laccei.org/entrepreneurship-and-innovation/>

Nanostores

La Iniciativa Nanostores de LACCEI es una red internacional que conecta universidades, empresas y asociaciones para transformar nanostores (pulperías, bodegas, colmados) en motores de desarrollo económico sostenible en Latinoamérica. A través de investigación aplicada, tecnología y colaboración, modernizamos el micro-retail para impulsar economías locales. Coordinator: César Humberto Ortega Jiménez, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH), cortega@unah.edu.hn

<https://laccei.org/nanostores/>

LEIRD

LEIRD is the LACCEI International Multiconference on Entrepreneurship, Innovation and Regional Development. LEIRD is hybrid event to be held in Cartagena (Colombia) with the option for participants to join virtually through our new AGORA MEETINGS platform. Coordinator: Dr. Luis Carlos Arraut, (Universidad Tecnológica de Bolívar - Colombia) larraut@utb.edu.co.

<https://laccei.org/leird2025/>

Proyectos estudiantiles de E&I

El programa “Competencia de Proyectos Estudiantiles de Emprendimiento e Innovación” de LACCEI, contiene un modelo orientado a que los jóvenes estudiantes innovadores que participen puedan llevar al mercado ágilmente sus nuevos proyectos, productos y/o servicios, por medio de un proceso que brinda soporte al participante dentro de todo su ciclo de desarrollo, con instrumentos como formación, mentoría, asesoría experta, acceso a financiación, oficinas y pruebas en entorno simulado o real. El modelo que se aplica inicialmente en el entorno de la competencia de “proyectos estudiantiles de emprendimiento e innovación LACCEI”, busca fomentar el emprendimiento y la innovación en estudiantes universitarios con el propósito de lograr los siguientes objetivos:

- Fomentar la Cultura Emprendedora e Innovadora
- Desarrollar Habilidades Clave
- Impulsar la Innovación y la Creación de Valor
- Conectar y Crear Oportunidades
- Enriquecer el Entorno Académico

<https://laccei.org/leird2025/student/>

<https://laccei.org/leird2025/student-competition-spanish/>

5. Sustainability & Social Impact

El Comité Permanente de Sostenibilidad e Impacto Social se enmarca en la estrategia de LACCEI y juega un papel crucial en la transición de las Escuelas/Facultades de Ingeniería hacia prácticas más responsables y sostenibles, asegurando que sus actividades promuevan un impacto positivo en la sociedad y el medio ambiente. Su propósito es integrar y promover principios de sostenibilidad, bajo los lineamientos de la Organización de Estados Americanos y la agenda 2030 sobre el desarrollo sostenible de la Agenda 2030 de la ONU en todas las áreas y niveles de las entidades, garantizando que las operaciones y decisiones se realicen de manera económicamente viable, ambientalmente responsable y socialmente justa. Considerando lo anterior, se espera que el Comité Internacional de Sostenibilidad e Impacto Social de LACCEI sea un catalizador para el cambio positivo en la región, liderando iniciativas transformadoras que integren la sostenibilidad y el impacto social en la educación, la investigación y el desarrollo comunitario. Coordinator: Dr. Alejandro Caroca, Universidad Andres Bello (Chile), acaroca@unab.cl

<https://laccei.org/sustainability-and-social-impact/>

SubComité de Formación

- Sensibilización y Promoción: Organizar talleres y seminarios para sensibilizar a la comunidad universitaria sobre la sostenibilidad, el plan de Desarrollo Sostenible de la OEA y la Agenda 2030 de la ONU.
- Difusión de Buenas Prácticas: Crear una plataforma/repositorio en línea para compartir conocimientos y buenas prácticas en sostenibilidad entre las instituciones miembro.
- Curso de Sostenibilidad: Diseñar una cátedra de sostenibilidad para estudiantes de programas de Ingeniería.
- Integración Curricular: Integrar la sostenibilidad como eje transversal en los programas académicos de ingeniería.
- Programa de Formación de Docentes: Proponer un programa de formación en sostenibilidad enfocado en metodologías de enseñanza y aprendizaje para fomentar la sostenibilidad en los planes de estudios de los programas de ingeniería.
- Alianzas Internacionales: Generar alianzas internacionales en el ámbito de la formación académica entre Instituciones miembros de LACCEI.
- Publicación de Reportes: Generar y publicar reportes anuales (memoria anual) detallando logros Institucionales y áreas de mejora.

SubComité de Investigación

- Promoción de Proyectos: Convocar a concursos de proyectos de investigación e innovación enfocados en sostenibilidad.
- Capacitación en Investigación: Ofrecer talleres de formación en metodologías de investigación en sostenibilidad para estudiantes y académicos.
- Recursos: Identificar fuentes de financiamiento e instancias que apoyen el desarrollo de investigaciones y soluciones innovadoras en el ámbito de la sostenibilidad.
- Transferencia y divulgación: Identificar mecanismos que faciliten la transferencia y divulgación de conocimientos y tecnologías sostenibles.
- Proyectos de Alto Impacto: Generar un concurso de proyectos de investigación de alto impacto en sostenibilidad.

- Red de Investigación: Establecer una red de investigación colaborativa en sostenibilidad entre las instituciones miembro de LACCEI.
- Publicación de Reportes: Generar y publicar reportes anuales (memoria anual) detallando logros Institucionales y áreas de mejora.

SubComité de Gestión

- Buenas Prácticas: Crear un documento que consolide buenas prácticas y casos de éxito en la gestión institucional de sostenibilidad.
- Capacitación: Proponer un taller para empleados que aborde la importancia de la sostenibilidad y la optimización de recursos.
- Alianzas: Establecer una red de colaboración entre las instituciones miembros de LACCEI para compartir recursos y conocimientos en sostenibilidad.
- Diseño de Métricas: Desarrollar indicadores y métricas para evaluar el impacto de las iniciativas de sostenibilidad.
- Reconocimiento: Implementar un sistema de reconocimiento para las instituciones (académicas, académicos y estudiantes) que hayan implementado proyectos destacados en sostenibilidad.
- Publicación de Reportes: Generar y publicar reportes anuales (memoria anual) detallando logros Institucionales y áreas de mejora

6. Technological Development and Transfer

In Latin America, certain schools of thought in science and technology challenge the “linear model” that links technological development to scientific progress. Unlike other countries, the region experiences a disconnection between the government, the productive sector, and science, leading to a high dependence on external technological products and services. The chair highlights two significant models to transform this situation. The neoclassical model views technology as external knowledge, while evolutionary ideas propose an endogenous technological change based on internal processes and learning. The “interactive model” of innovation challenges the linear vision, emphasizing continuous interaction between different stages, from identifying opportunities to commercialization, underscoring the importance of incremental innovations for effective industrial development. Coordinator: Fernando José Zorto Aguilera, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH), fernando.zorto@unah.edu.hn

<https://laccei.org/technological-development-and-transfer/>

Florida Innovation Ecosystem

Coordinator: Fernando José Zorto Aguilera, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH). fernando.zorto@unah.edu.hn. Coming soon.

Aerospace

Coordinator: Fernando José Zorto Aguilera, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH). fernando.zorto@unah.edu.hn. Coming soon.

Realidad Virtual

Coordinator: Doris Batista, Ph.D.(UNIMET - Venezuela) dbaptista@unimet.edu.ve. Coming soon.

Neurociencia

Coordinator: Fernando José Zorto Aguilera, Ph.D. fernando.zorto@unah.edu.hn. Coming soon.

Agro

Coordinator: Anael Espinal, Ph.D. Universidad Zamorano (Honduras) aespinal@zamorano.edu. Coming soon.

Red de Educación Híbrida en Ingeniería

Coordinator: Claudio Camilo Gonzalez, Ph.D. Universidad Nacional Abierta y a Distancia (Colombia) claudio.gonzalez@unad.edu.co. Coming soon.

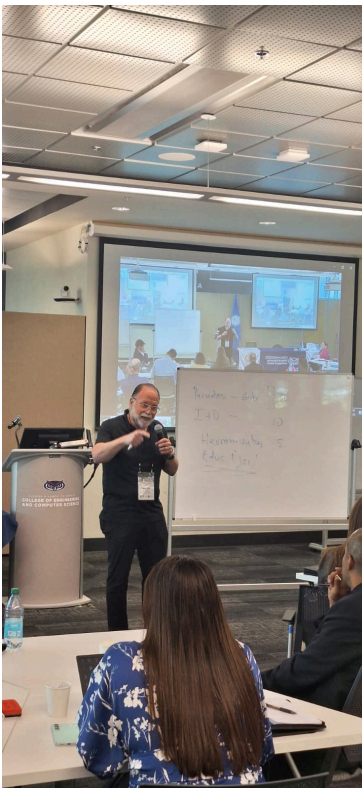
Cátedra Desarrollo y Transferencia Tecnológica

Coordinator: Fernando José Zorto Aguilera, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH). fernando.zorto@unah.edu.hn. Coming soon.

University Transformation in Engineering

This exclusive event is designed for active LACCEI members and leaders in education, industry, and public policy. Join us for an insightful program of training and workshops aimed at transforming higher education and fostering innovation ecosystems across Latin America and the Caribbean.

This event focuses on educational transformation and the future of higher education in Latin America and the Caribbean, and the United States. It is a space for sharing knowledge, generating strategies, and developing innovative educational policies with the participation of global experts. The keynote speakers are Dr. [Ricardo Hausmann](#), Director of Harvard's Growth Lab and the Rafik Hariri Professor of the Practice of International Political Economy at Harvard Kennedy School, Dr. [Natacha DePaoli](#) Director IDMET (Illinois Tech Digital Medical Engineering and Technology Research and Education Center), and Dr. [Christian Chacua](#) of Growth Lab Postdoctoral Research Fellow at the Harvard Center for International Development - Harvard University (USA).



[Final Report - Dr. Ricardo Hausmann](#)

[Final Report - Dr. Natacha DePaola](#)



Virtual Research Group

Coordinator: Fernando José Zorto Aguilera, Ph.D. Universidad Nacional Autónoma de Honduras (UNAH). fernando.zorto@unah.edu.hn. Coming soon.

Workshop Deans

Coordinators are Ing. Miguel Sosa (Universidad Tecnológica Nacional de Argentina - Delta. sosam@frd.utn.edu.ar), and Dr. Marylin Arias Soto (Universidad Latina - Costa Rica, marylin.arias@ulatina.cr).



<https://laccei.org/council-of-deans/>

[Informe de la sesión llevada a cabo del Deans Summit en LACCEI 2026](#)

Summit of High Authorities

Instituciones que participaron en el primer Summit de Altas Autoridades en la Ciudad de México, en el marco de multiconferencia LACCEI 2026

1. Universidad Nacional de Ingeniería – Perú
2. LACCEI / Florida Atlantic University (FAU) – USA
3. University of Texas at San Antonio (UTSA) / ASEE – USA
4. Universidad Politécnica de Puerto Rico – Puerto Rico
5. Escuela Superior Politécnica de Chimborazo – Ecuador
6. ENTER / ENAEE / Instituto Superior de Engenharia de Lisboa (ISEL) – Portugal
7. Universidad Distrital Francisco José de Caldas – Colombia
8. Universidad de Pamplona – Colombia
9. Universidad del Golfo de California – México
10. Fundación Universitaria Compensar – Colombia
11. Instituto Mauá de Tecnología – Brasil
12. Universidad Fidélitas – Costa Rica
13. University of South Florida – USA.

Propuesta Final: Declaración de Compromisos 2026

- Preparar un borrador sencillo de compromisos en las áreas clave: cobertura, calidad, gobernanza, alineación regional, innovación.
- Presentar y discutir ese documento en LACCEI Chile 2026 para ser firmado por los participantes como una "Carta Abierta de Rectores" con metas comunes.

Más información, visita el Google Doc: click [here](#).

7. Women in STEM

The LACCEI “Standing Committee” Women in STEM aims to highlight the achievements of the women in STEM, and raise conversations and visibility of problems that may affect the progress of women in STEM. In the last year, as major achievements there is the Completion of the book “Matilda and Women in Engineering”, support for students during 2018 SPEED with the Development of the FLEEI Workshop during the 2018 LACCEI conference, participation in the SPEED session during WEEF 2018, focused on LACCEI. Coordinator: María Ileana Ruiz Cantisani, Ph.D. Tecnológico de Monterrey (Mexico). miruiz@tec.mx
<https://laccei.org/women-in-stem/>

Cátedra Matilda

Una iniciativa conjunta del Consejo Federal de Decanos de Ingeniería (CONFEDI), la Asociación Colombiana de Facultades de Ingeniería (ACOFI), y The Latin American and Caribbean Consortium of Engineering Institutions (LACCEI).

<https://www.catedramatilda.org/>

8. African Diaspora

The African Diaspora Standing Committee of LACCEI fosters collaboration among institutions and organizations in Latin America, the Caribbean, and the United States that promote the global African diaspora. Its mission is to strengthen academic, scientific, and technological exchanges, promote joint research and innovation projects, and create opportunities for student and faculty mobility that advance engineering education. Coordinator: Libis Valdez, Ph.D. UNITECNAR (Colombia), libis.valdez@unitecnar.edu.co.

9. Internationalization and Interculturality

The objective of this committee is to research and develop strategies for fostering intercultural competencies through interventions, exchanges, seminars, and conferences within our institutions. Its mission is to identify the key skills required for students and faculty to succeed internationally and interculturality in a globalized world. Key actions include the promotion of double-degree programs, internships, study-abroad opportunities, faculty exchanges, video conferences, and online courses, among others. We understand internationalization and interculturality not only as approaches to communication and education but also as broader perspectives that reflect our academic and professional interests. Ultimately, our students will graduate prepared to thrive in multicultural companies and organizations. Coordinator: Luis Fernando Martinez-Arconada, Ph.D. ENIT (France), luis.arconada@enit.fr.

<https://laccei.org/internationalization-and-interculturality/>

Universities Fair

Coordinator: Jaime Diaz, Ph.D. UNISIMON (Colombia). jaime.diaz@unisimon.edu.co.
<https://laccei.org/laccei2025/ori/>

COIL

Coordinator: Jaime Diaz, Ph.D. UNISIMON (Colombia). jaime.diaz@unisimon.edu.co. Coming soon.

Multidegrees

Coordinators: Luis Fernando Martinez-Arconada, Ph.D. ENIT (France), luis.arconada@enit.fr, and Claudia Ayala Ph.D. UNISIMON (Colombia), claudia.ayala@unisimon.edu.co.



10. International Accreditation

The LACCEI Standing Committee on International Accreditation is intended to support all the initiatives of LACCEI and its partners in the areas of quality assurance and International accreditation of engineering programs. Created with the purpose of carrying out actions involving representatives of the academic and professional community in the International Accreditation process, named:

- Teachers of higher education institutions
- Heads of research and heads of academic units
- Responsible for content and organizational aspects of the processes academics
- Industry Representatives involved in training processes of engineers qualified to critically assess competencies (learning achievements) of undergraduate and graduate students of Academic programs
- Representatives or employees of administrative areas of Universities
- Representatives of accreditation agencies.

Principales acciones desarrolladas hasta la fecha:

- Multiconferencia LACCEI 2025: organización de una sesión plenaria con la participación de varias agencias de acreditación internacional para alinear enfoques y compartir buenas prácticas.
- Workshops: Realización de dos workshops complementarios: (i) formación para expertos evaluadores, y (ii) introducción a la acreditación internacional para instituciones que inician el proceso.
- Colaboraciones y propuestas: fortalecimiento de la colaboración con universidades buscando la acreditación internacional.
- Coorganización de EUR-ACE Connect 2025: avances en la co-organización del encuentro, asegurando sinergias entre redes y la participación activa de la comunidad LACCEI.

Propuesta de plan de acción (próximos 12 meses):

- Repetición y consolidación en LACCEI 2026: replicar el esquema exitoso de 2025 (plenario + dos talleres), incorporando mejoras a partir del feedback recibido.
- Ruta CDIO: si LACCEI lo considera oportuno, iniciar en 2026 una línea CDIO (seminario breve en línea) con la meta de culminar en un taller CDIO dentro de dos años en Boca Ratón (2027).
- Co-organización en 2026 del EUR-ACE Connect en Estambul, Turquía.

Coordinator: José Carlos Quadrado, Ph.D. Professor (ISEL/IPL/ENTER) (Portugal),
jcquadrado@gmail.com

<https://laccei.org/international-accreditation/>

Workshop Experts

El taller se enfocará en preparar expertos de acreditación y aseguramiento de calidad para carreras de ingeniería. Los participantes que concluyan con éxito todas las tareas durante el entrenamiento recibirán un certificado internacional y el título de Candidato a Experto. Después de que los candidatos participen en un proceso de auditoría para acreditación (visita de acreditación a una universidad), pueden obtener estatus de los Expertos activos para participar plenamente en procesos de acreditación internacional (EUR-ACE).

<https://laccei.org/laccei2026/expert-eurace/>



Workshop Preparation

El taller tiene como objetivo enseñar en cómo preparar el programa educativo para la acreditación EUR-ACE (incluida la preparación de un informe de autoevaluación y la preparación para la visita de pares evaluadores). Con esta intención se pretende facilitar a la comunidad universitaria una herramienta que ayude a conocer bien los criterios y entender todas las etapas del procedimiento de la acreditación EUR-ACE.

<https://laccei.org/laccei2026/preparation-eurace/>



IV. Report of others task forces

Deans Summit & Regional Council

Desde el 2022, LACCEI realiza la Cumbre de Decanas/os de Ingeniería de América Latina y el Caribe (ALyC) de LACCEI en el marco de la Multiconferencia Internacional de anual realizada en Julio. El coordinador general es el Ing. Miguel Sosa, decano de la Universidad Nacional Tecnológica (UTN), Facultad Regional Delta en Argentina.

<https://laccei.org/council-of-deans/>

Humanitarian Engineering for Las Americas (HELA)

HELA will be the ecosystem of the Americas continent for social and educational innovation through humanitarian engineering (HE). It will be made up of actors of diverse nature and from different levels of society, whose commitment is to achieve an engineering education with the resources, concepts, tools, and support to bring engineering to the service of vulnerable communities. Coordinator: Pritpal "Pali" Singh, Ph.D. Villanova University (United States), pritspal.singh@villanova.edu.

<https://laccei.org/hela/>

Legacy Council

Network, a platform where these professionals can continue contributing, mentoring, and sharing knowledge with LACCEI members and affiliates. Objectives of the LACCEI Legacy Network:

- Recognizing Experience and Legacy: Honor the contributions of retired academic and engineering professionals who have played a significant role in LACCEI and former LACCEI presidents.
- Promoting Knowledge Transfer: Provide spaces where their expertise can benefit new generations of educators, researchers, and professionals.
- Encouraging Participation in LACCEI Activities: Integrate them into events, advisory committees, mentorship programs, and academic initiatives.

El 17 de julio de 2025, en la multiconferencia LACCEI 2025 realizada en la Ciudad de Mexico, se realizo la primera reunión y los asistentes fueron:

1. Roberto Loran
2. Manuel Bermudez
3. Jaime Bonilla
4. Miguel Sosa
5. Claudio Camilo Gonzalez
6. Maria Larrondo-Petrie
7. Jose Texier

Key points of the meeting included:

- Support in the construction of the LACCEI model
- Projects to secure funding
- Doctoral programs on the triple helix model: industry, government, academia

Next steps:

- Your feedback on the Legacy Council
- Participation in LACCEI 2026, Santiago de Chile, July 15–17, 2026
- Plan and schedule a virtual meeting, possibly in September or October

[LACCEI LEGACY COUNCIL - ENGLISH](#)
[PROYECTO LACCEI LEGACY COUNCIL](#)



V. Otras acciones de LACCEI

Colombia Foundation

<https://laccei.org/colombian-foundation/>

LACCEI Europe (LACCEI EU)

<https://laccei.org/europe/>

EURACE Connect

<https://www.b2match.com/e/eur-ace-connect-2026>

<https://enterprof.org/>

Grants and Donations Program

<https://laccei.org/grants/>

Online Platform: Courses & Consulting

<https://laccei.org/courses/> (Coming soon)

LACCEI Alliance Roundtable

<https://laccei.org/laccei2025/laccei-alliance-roundtable/>

RICYT y Red de Índices

<https://congreso2025.ricyt.org/>

<https://www.ricyt.org/>

President's Session

<https://laccei.org/laccei2025/presidents-session-laccei-2025/>

GEDC Latam

<https://www.gedcouncil.org/>

ABENGE, ACOFI, ANFEI, ASECEI, CONDEFI & CONFEDI

<https://abenge.org.br/>

<https://www.acofi.edu.co/>

<https://www.anfei.mx/>

<https://asecei.org/>

<https://condefi.cl/>

<https://condefi.cl/>

OAS

The Organization of American States is the premier regional forum for political discussion, policy analysis and decision-making in Western Hemisphere affairs. The OAS brings together leaders from nations across the Americas to address hemispheric issues and opportunities. Together, they seek to build cooperation among states and advance a common regional agenda on democratic governance, human rights, multidimensional security, and sustainable development.

<https://www.oas.org/>

<https://www.oas.org/ext/es/principal/calendario/evento/id/558>

Global Colloquium

<https://laccei.org/global-colloquium-on-engineering-education/>

WIPO

Coming soon.

Network Capstone

Coming soon.

REEN: Research in Engineering Education Network

<https://reen.co/>

Journal of Engineering for the Americas (EftA)

The Journal of Engineering for the Americas (EftA): Engineering Education, Research, and Practice is an open-access, peer-reviewed publication of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI). Its mission is to advance engineering education, research, and practice across Latin America, the Caribbean, and beyond, fostering collaboration among universities, industry, and government to strengthen innovation, knowledge transfer, and sustainable development.

<https://laccei.org/journal-efta/>

VI. Students Activities

Students					
Bootcamp	Chapters	E&I	Poster & Papers	Internships	3MT

<https://laccei.org/student-competition-2025/> (Awards 2025)

Bootcamp 2025

Coordinator is Ing. Karen Villalba (Universidad Tecnológica Nacional de Argentina - Delta. kvillalba@frd.utn.edu.ar and bootcamp@laccei.org).

<https://laccei.org/laccei2025/bootcamp-laccei-2025/>

Video summary: [click here](#)

Key Statistics

General Overview

- Registered: 39
- Started the program: 24
- Completed virtual phase: 22
- Completed in-person phase: 7
- Countries represented: 5 (Argentina, Mexico, Costa Rica, Panama, Peru)
- Universities reached: 9

Participation by Nationality

Virtual phase

- Argentina: 54.2%
- Mexico: 20.8%
- Peru: 8.3%
- Panama: 8.3%
- Costa Rica: 8.3%

In-person phase

- Mexico: 57.1%
- Panama: 28.6%
- Costa Rica: 14.3%

Student Impact

Keywords used to describe the experience:

Revitalizing – Transformative – Rewarding – Comprehensive

Main themes from student reflections:

- Personal and academic growth
- Multicultural teamwork
- Pedagogical innovation and dynamism

<https://laccei.org/laccei2026/bootcamp/>

Chapters

Actualmente se encuentran dos capítulos estudiantiles conformados, UTN de Argentina y UNAH de Honduras.

<https://laccei.org/student-chapters/>

Coordinator: coming soon. We've launched a call for a coordinator. If you're interested, please fill out the following web form:

<https://forms.gle/JQhsUHFbCSGmiKLg6>

Student Competitions

- Poster: Coordinator is Dr. Catalina Aranzazu-Suescun (Embry-Riddle Aeronautical University, aranzazc@erau.edu).
 - <https://laccei.org/student-research-paper-and-poster-competitions/>
 - En LACCEI 2025 recibimos 25 Posters Estudiantiles
- Research / Papers: Coordinator is Dr. Catalina Aranzazu-Suescun (Embry-Riddle Aeronautical University, aranzazc@erau.edu).
 - <https://laccei.org/student-research-paper-and-poster-competitions/>
 - En LACCEI 2025 pasaron a la fase final 11 Papers Estudiantiles (DOI y con indexación Scopus)
- 3MT: Coordinator is Dr. Jusmeidy Zambrano (LACCEI-US, iniciativas@laccei.org).
 - <https://laccei.org/laccei2025/thesis-competition/>
 - En LACCEI 2025 recibimos 4 tesis de maestría y 4 tesis de doctorado.
- E&I: Coordinator: Dr. Luis Carlos Arraut (Universidad Tecnológica de Bolívar - Colombia), larraut@utb.edu.co.
 - <https://laccei.org/entrepreneurship-and-innovation-student-competition-ei/>
 - <https://laccei.org/leird2025/student-competition-spanish/>
 - <https://laccei.org/leird2025/student/>
 - En LEIRD 2025 recibimos 56 proyectos estudiantiles y pasaron a la segunda fase 16 proyectos de Colombia, Honduras, Perú, Panamá, Ecuador, y El Salvador
- Hackathon: Coordinator is Dr. Jose Texier (LACCEI-US, texier@laccei.org).
 - <https://laccei.org/laccei2025/hackathon-virtual/>
 - Participaron 9 equipos de Colombia, Chile, Perú, México, Costa Rica y Panamá.

Internships

LACCEI ofrece pasantías virtuales internacionales (Virtual International Internships – VII) para que te sumes a una comunidad de oportunidades académicas y profesionales. Estas pasantías están basadas en proyectos que se pueden realizar desde cualquier ubicación remota con tu propia computadora y horarios flexibles. Las pasantías virtuales que ofrecemos te permitirán establecer contactos internacionales y formar parte de redes de trabajo multidisciplinarias para promover y fortalecer iniciativas en ingeniería e innovación. Todo con el sello de Centro de Excelencia de Ingeniería para las Américas de la OEA. El programa de pasantías virtuales no tiene remuneración económica, puesto que el objetivo es favorecer los vínculos y conocimientos de proyectos vinculados con el consorcio de instituciones de ingeniería y tecnología (LACCEI).

Fechas importantes para postulaciones 2026

Primer Ciclo (Enero – Junio 2026):

- Apertura de recepción de postulaciones: 12 de enero de 2026
- Fecha límite para postulaciones: 13 de febrero de 2026
- Revisión y entrevistas: 16–20 de febrero de 2026
- Publicación de resultados: lunes 23 de febrero de 2026
- Inducción y vinculación: 24–27 de febrero de 2026
- Inicio formal de actividades: 2 de marzo de 2026
- Cierre formal de ciclo (entregables): 13 de junio de 2026
- Presentación virtual de resultados (Multiconferencia LACCEI 2026): 15 de julio de 2026

Segundo Ciclo (Junio – Diciembre 2026):

- Apertura de recepción de postulaciones: 16 de junio de 2026
- Fecha límite para postulaciones: 21 de julio de 2026
- Revisión y entrevistas: 23–25 de julio de 2026
- Publicación de resultados: lunes 28 de julio de 2026
- Inducción y vinculación: 29 de julio – 1 de agosto de 2026
- Inicio formal de actividades: 4 de agosto de 2026
- Cierre formal de ciclo (entregables): 28 de noviembre de 2026
- Presentación virtual de resultados (Multiconferencia LEIRD 2026): 1 de diciembre de 2026

Coordinator is Dr. Jusmeidy Zambrano (LACCEI-US, internships@laccei.org).

<https://laccei.org/internships/>

VII. Awards y acknowledgment

Medalists

<https://laccei.org/laccei-academic-merit-medalist-2022/>



The 2022 LACCEI Academic Merit Medalist

Dr. Roberto Lorán

Dr. Lorán is a faculty member of the Industrial Engineering Department of the Ana G. Méndez University in Puerto Rico. He served as Vice-Chancellor for Academic Affairs until 2018 and prior to this appointment, as Dean of the School of Engineering. His undergraduate education was in industrial engineering and hold doctoral degrees from Universidad Complutense de Madrid in Operations Research and Universidad Politécnica de Madrid in Computer Sciences. Dr. Lorán was the holder of the Samuel P. Massie Chair of Excellence between 2004 and 2016. As such, he was part of a world-class group of thirteen US scholars, researchers and educators sponsored by the US Department of Energy devoted to advanced research and education.

He spent over 20 years at the University of Puerto Rico at Mayagüez and Cayey campuses as a faculty member and in various administrative positions. He also taught at universities in multiple countries, including Spain, Chile, Uruguay, and the Dominican Republic. He has been a consultant for several international organizations, including the United Nations. His primary research interest is applying emerging technologies to contribute to socio-economic development and regional competitiveness with an emphasis on strategies to promote entrepreneurship.

Throughout his career, Dr. Lorán has remained very active in international projects and is widely recognized as a pioneer in the development of the Internet in the Caribbean. In 1990, in collaboration with the National Science Foundation and the Organization of American States, he organized the Caribbean Universities Network (CUNet), providing the first link to the network to academic institutions in fourteen countries. He has been founder of several entrepreneurship support centers including two business incubators and a technology accelerator. He also served in the Board of Directors of several regional organizations including the Caribbean Telecommunications Council, the International Center for Environmental Studies and Sustainable Development, and the Caribbean & Latin American Consortium of Engineering Institutions (LACCEI) in which he is also one of the founders.

<https://laccei.org/laccei-academic-merit-medalist-2025/>



The 2025 LACCEI Academic Merit Medalist

Dr. Cecilia Paredes Verduga

Each year, the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) honors individuals who have made a lasting impact in the fields of engineering education and research. The Academic Merit Medal is the highest institutional recognition awarded to leaders whose exceptional careers have significantly contributed to strengthening academia, fostering innovation, advancing leadership, and promoting international collaboration in engineering.

For the 2025 edition, LACCEI is proud to recognize an outstanding engineer and academic leader: Dr. Cecilia Paredes Verduga, President of ESPOL (Escuela Superior Politécnica del Litoral) in Ecuador and the first woman to hold this position in the institution’s history.

Dr. Paredes is a Mechanical Engineer from ESPOL, and holds a Master’s and Ph.D. in Materials Science and Engineering from Rutgers University. She has served as a professor and researcher at ESPOL since 2001, with a strong commitment to excellence in higher education, scientific development, and innovation.

In addition to her academic work, she has held key leadership roles, including serving as President of the High Council of EMULIES (Espacio de Mujeres Líderes de Instituciones de Educación Superior de las Américas) during the 2020–2021 term, a program of the Inter-American Organization for Higher Education (OUI-IOHE). Currently, she is the President of CEDIA (Ecuadorian Corporation for the Development of Research and Academia), where she actively promotes the advancement of innovative projects that connect Ecuadorian institutions and foster collaboration among researchers, faculty, and students.

Her interests span materials science and engineering research, entrepreneurship and innovation in education, and the creation of inclusive environments that ensure equal opportunities for all—particularly advocating for the participation of women in science and engineering.

This recognition celebrates not only her remarkable personal achievements, but also her enduring legacy in building a more inclusive, sustainable, and socially impactful engineering education across Latin America, the Caribbean, and the world.

Students

<https://laccei.org/student-competition-2025/>

International Student Research Paper Competition – LACCEI 2025 (July)

- **1st Place:** *Voice-Controlled Wheelchair for Children in Underserved Regions*
 Authors: Jeniffer Cristina Guardia Medina, Karla Sofia Gutierrez Escudero
 Institution: Vaughn College of Aeronautics and Technology (USA)
- **2nd Place:** *Productivity Improvement in the Packaging Process of a Beverage Company Through SMED and 5S*
 Authors: Marianna Milagros Bellatin Torres, Eduardo Alexander Diaz Ascarza, Carlos Medardo Urbina Rivera
 Institution: Universidad de Lima (Peru)
- **3rd Place:** *Relationship between Mechanical Stress Caused by Wind and the Spread of the Fungus *Kretzschmaria zonata* in *Tectona grandis* Commercial Plantations*
 Authors: Nazaret Aguilar Villalobos, Víctor Céspedes Cordero, Krissel Gamboa Alfaro, Valentina Velásquez Hernández
 Institution: Tecnológico de Costa Rica (Costa Rica)

International Student Poster Competition – LACCEI 2025 (July)

- **1st Place:** *Post-Sales Marketing Study in the Mexican Automotive Sector*
 Authors: Enrique Aarón García Vázquez
 Institution: Instituto Politécnico Nacional de México
- **2nd Place:** *Recycling of PET Bottles for Sustainable Filament Production in 3D Printing: Educational and Environmental Innovation*
 Authors: María Paula Ramírez Vásquez
 Institution: University of Pamplona (Colombia)
- **3rd Place:** *Influence of Ventilation on Indoor Air Quality of Kitchens Using Liquefied Petroleum Gas in Panama*
 Authors: Alexandra Aparicio, Amsley Medina
 Institution: Universidad Tecnológica de Panamá (Panama)

3MT – LACCEI 2025 (July)

- **International Master Thesis:** *Sustainability Analysis Framed in Greenhouse Gas Emissions and Energy Efficiency of Housing in Ocaña, Colombia*
 Author: Jon Edinson Prado Pérez
 Institution: Universidad Francisco de Paula Santander (Colombia)
- **International Doctoral Thesis:** *LxC Engineering to Regenerate Life: A Strategic Framework Derived from IP.IDEAS.S*
 Author: Julio Lu-Chang-Say
 Institution: Universidad Nacional de Ingeniería (Peru)

LACCEI First Virtual Hackathon – 2025 (Feb–Apr)

- **1st Place:** *Monitoring System for DC Voltage and UPS Battery Charge Using IoT and ThinkSpeak*
Team: Avengers – Jorge Sebastian Mendez-Indacochea, Christopher Ariel Romero-Lamboggia, Maria Paula Chávez-Berreno
Institution: Escuela Superior Politécnica del Litoral – ESPOL (Ecuador)
- **2nd Place:** *Solid Waste Monitoring Through IoT Technologies and Matlab*
Team: SASIM+ – Karla Lisette Antonio Pérez, Fernando Sebastián Castro Ovalle, Dante Antonio García Rosales
Institution: University of Monterrey (Mexico)
- **3rd Place:** *Low Consumption IoT Water Quality Station for Lake Yojoa*
Team: ElectroGallos – Fernando Alacon, Owen Paz
Institution: Universidad Tecnológica Centroamericana – UNITEC (Honduras)

Entrepreneurship and Innovation Student Competition (E&I24) – LEIRD 2024 (Dec)

- **1st Place:** *Low-Cost Assistive Device for People with Visual Disabilities in Arequipa*
Authors: Nicolás Esleyder Caytairo Silva, Jackeline Melady Peña Alejandro
Institution: Universidad Católica de Santa María (Peru)
- **2nd Place:** *Application for Early Alerts of Mental Health Problems*
Author: Isabella Andrea Teheran Vargas
Institution: Universidad Tecnológica de Bolívar (Colombia)
- **3rd Place:** *UKUMAYU COFFEE – Peruvian Filter Coffee*
Authors: Angie Melissa Estela Becerra, Rut Marycielo Arrunategui Ayala, Pierina Ailen Castillo Mosquera, Karla Elvira Flores Barreno
Institution: Universidad de San Martín de Porres (Peru)

BOOTCAMP – LACCEI 2025 (July)

- **1st Place:** Julio Uriel Velazquez Montalvo (Mexico), Rancés Tello (Panama), Nicolás Miguel Silva, Tomás Puente de la Puente, Xiomara Piriz (Argentina)
- **2nd Place:** Emely Mendieta (Panama), María Isabel Cuevas (Mexico), Fátima Irais Alba Ríos (Mexico), Juan Ignacio Díaz (Argentina), Dorita Belen Acuña Sánchez (Peru), Gonzalo Gomez (Argentina), Juan Pablo Grígoli (Argentina), Ailen Benitez (Argentina), Candela Ocampo (Argentina), Victoria Anahi Antivero (Argentina)
- **3rd Place:** Diego Alonso Vázquez Rodríguez (Mexico), Valentina Velásquez (Costa Rica), Daiana Magali Acosta Romero (Argentina), Jonathan Gustavo Arzapalo Torres (Peru), Leandro Lopez Izza (Argentina)

Entrepreneurship and Innovation Student Competition (E&I24) – LEIRD 2024 (Dec 4)

- **1st Place:** *MANGOGAZE*
Author: Valerin Hurtado Salcedo
Institution: Fundación Universitaria Tecnológico Comfenalco (Colombia)

- **2nd Place: AGROINSIGHTS**

Authors: Luis Fernando Álvarez Sánchez, Fredy Gerardo López Meza, Carlos Ulises Alas Baquedano, Ariana Michelle Morazán Matute, Oizis Aksunamun Melgar Rodríguez
Institution: Universidad Nacional Autónoma de Honduras (Honduras)

- **3rd Place: AWASÚ**

Authors: Angie Melissa Estela Becerra, Xiomara Alessandra Campaña Távara, Gustavo Xavier Serquén Polo, Karla Elvira Flores Barreno
Institution: Universidad San Martín de Porres (Peru)

Recognition

- **Vaughn College of Aeronautics and Technology (USA)** – Recognition for a **Decade of In-Person Student Engagement**.

LACCEI Action Plan 2025–2026

The goals and objectives of LACCEI

Cooperation and partnerships among member institutions in the areas of engineering education, research, and technology advancement with emphasis on (Art. II - Constitution):

- Faculty and student exchange
- New and/or higher level academic programs
- Dual/joint degree and certificate programs
- Faculty development including higher degrees
- Distance, continuing and e-education
- Laboratory development and sharing of resources
- Curriculum development, course equivalency and accreditation support
- Industry internship, cooperative programs and career development
- Joint training and research programs, and solicitation of funds
- Development, commercialization and transfer of technology
- Dissemination of scholarly achievements and other accomplishments by member institutions

Key Activities and Milestones

- Institutional Capacity Building
 - March 2025 – Training on Innovation & AI at FAU (Florida, USA).
 - December 2025 – LEIRD 2025, Cartagena (theme: Entrepreneurship with Purpose).
 - March 2026 – Training on Innovation & AI (follow-up program).
 - July 2026 – LACCEI Multi-Conference 2026, Santiago, Chile (presentation of Seed Projects).
 - December 2026 – LEIRD 2026 (institutionalization of capacities in engineering universities).
- International Presence and Alliances
 - Strengthen ties with OAS, ABENGE, ACOFI, ANFEI, ASEE, ASME, CONDEFI, CONFEDI, ENAEE, ENTER, GEDC, HACU, HBCU, IEEE, IFEEES, RICYT, REEN, SEFI, UNESCO, WIPO, and others
 - Participation in key events 2025–2026: ASEE, ANFEI, HACU, ABENGE, ACOFI, SEFI, IEEE, WEEF & GEDC, RICYT
- Governance and Organizational Development:
 - Implementation of the LACCEI Network model (Divisions, Standing Committees, Working Groups).
 - Global Colloquium
 - Legacy Council
 - Periodic Evaluation (every 3 years) of Divisions, Committees, and Projects/Initiatives.
 - Launch of the LACCEI Capacity Hub (tentatively March 2027).
- Research, Innovation, and Knowledge Transfer
 - Promote projects from member universities to strengthen capabilities.
 - Support Humanitarian Engineering (HELA).
 - Develop data-driven studies (e.g., Delphi foresight studies, capability indices).

- Support Aerospace, COILs, Florida Innovation Ecosystem, K-12, Multi-Degrees, Nuclear Energy, Open Science, Semiconductors, Agro & Natural Hazards.
- Expected Outcomes (by end of 2026)
 - At least 5 projects launched across member institutions.
 - Growth of the LACCEI network to 85+ active member institutions.
 - Strengthened presence in global engineering forums (ASEE, ABENGE, WEEF, SEFI, EUR-ACE Connect).
 - Consolidation of LACCEI Capacity Hub as a reference for institutional development.
 - Consolidation of the number of papers received and participants annually at LEIRD and the LACCEI Multi-Conference, ensuring quality.
- Monitoring and Evaluation
 - Annual review of milestones and activities by the Board.
 - Mid-term report (July 2026) to assess progress and adjust strategies.
 - Final evaluation (December 2026) aligned with LACCEI's mission and objectives.