

PROSPECTA AMERICAS 2022

SEMINAR

SECOND EDITION OF THE INTERNATIONAL SEMINAR ON FORESIGHT AND TRANSFORMATIVE TECHNOLOGIES IN THE AMERICAS

DRAFT AGENDA

**Times on the Agenda reflect Central Daylight Time in Mexico (UTC -5).*

WEDNESDAY MAY 18, 2022

TIME	ACTIVITY	VENUE
8:45 – 9:00	Registration	PCYTH LOBBY
5 specialized workshops (parallel sessions) on foresight and transformative technologies <i>*Workshops available in-person only</i>		
9:00 – 10:30	Workshop 1 – Internet of Things <ul style="list-style-type: none"> Nancy Estens Gallegos, Founder and CEO, Woman Lab Smarter Humans 	ROOM A
	Workshop 2 – Foresight and the Future of Food Production <ul style="list-style-type: none"> Javier Medina, Full Professor, Universidad del Valle, Cali, Colombia, Coordinator of the Foresight and Innovation Network of the Ibero-American Programme on Science and Technology for Development (CYTED) 	ROOM B

9:00 – 10:30	Workshop 3 – Artificial Intelligence <ul style="list-style-type: none"> Edgar Antonio Valdés Porras, Director of AI at the Mexican Agency for Antarctic Studies, Coordinator of Science for RGMX US, Chief Research Officer in Hadox Human Networks, Chief Research Officer in Neurolitiks 	ROOM C
	Workshop 4 – Artificial Intelligence <ul style="list-style-type: none"> Jesús Gabriel Ambriz Saldívar, Lead Data Scientist, Securecommerce.ai, REVELO, Mexico 	ROOM D
	Workshop 5 – Biomedical Engineering <ul style="list-style-type: none"> Luis Eduardo Fernández, Co-Founder and CEO in TINC CMMS, Mexico 	ROOM E
	Workshop 6 – Blockchain for Smart Cities <ul style="list-style-type: none"> Alejandro Treviño Castañeda, Center of Excellence on Blockchain of Hidalgo 	ROOM F
10:30 – 11:00	Break	PCYTH
5 specialized workshops (parallel sessions) on foresight and transformative technologies <i>*Workshops available in-person only</i>		
11:00 – 12:30	Workshop 7 – Nanosatellites <ul style="list-style-type: none"> Luis Velasco, Space Engineer, NASA Jet Propulsion Lab, NASA – Zero Gravity 	ROOM A

11:00 – 12:30	<p>Workshop 8 – Regional Foresight and the Future of Work</p> <ul style="list-style-type: none"> Leonardo Hurtado, Researcher, Center for Strategic Thinking and Foresight, Universidad Externado de Colombia 	ROOM B
	<p>Workshop 9 – Bioeconomy</p> <ul style="list-style-type: none"> Ramon Sánchez Piña, Director of Sustainable Technology and Health Program, T.H. Chan School of Public Health, Harvard University 	ROOM C
	<p>Workshop 10 – Augmented Reality with Spark AR</p> <ul style="list-style-type: none"> Ana Santillana, Content and Development Lead, Pearl Consult Group 	ROOM D
	<p>Workshop 11 – Neurotechnology</p> <ul style="list-style-type: none"> Christian Peñaloza, Managing Director and Principal Investigator of Mirai Innovation Research Institute, Japan-Mexico 	ROOM E
	<p>Workshop 12 – Web3 (Blockchain)</p> <ul style="list-style-type: none"> Anthony Chavez, Arch Finance, Mexico 	ROOM F
12:30 – 14:00	Break for lunch	PCYTH
13:30 – 14:00	<p>Registration</p> <p><i>*Seminar available in-person and virtual</i></p>	PCYTH LOBBY

<p>14:00 – 14:45</p>	<p>Inaugural Session PROSPECTA AMERICAS 2022</p> <ul style="list-style-type: none"> • Daryl Vaz, Minister of Science, Energy and Technology of Jamaica • Luz Elena Baños Rivas, Ambassador, Permanent Representative, Permanent Mission of Mexico to the OAS • Kim Osborne, Executive Secretary for Integral Development, Organization of American States (OAS) • Lamán Carranza Ramírez, Head of the Planning and Prospective Unit, Government of the State of Hidalgo, Mexico 	<p>PYCTH TECHNOLOGY BUILDING</p>
<p>14:45 – 15:15</p>	<p>Keynote address "Foresight in the Americas: The Future of Health, Work and Industry"</p> <ul style="list-style-type: none"> • Fernando Ortega, Director of Research and Studies, National Council of Science, Technology and Technological Innovation (CONCYTEC), Peru 	
<p>15:15 – 15:30</p>	<p>Break</p>	<p>PCYTH</p>
<p>15:30 – 17:00</p>	<p>Short Talks "Transformative Technologies and the Future of the Americas"</p> <p><u>Transformative Technologies and the Future of Education</u></p> <ul style="list-style-type: none"> • Lauro Garcia, Digital Transformation, Public Sector, AWS 	<p>PCYTH TECHNOLOGY BUILDING</p>

	<p><u>The Future of Health</u></p> <ul style="list-style-type: none"> Ramon Sánchez Piña, Director of Sustainable Technology and Health Program, T.H. Chan School of Public Health, Harvard University <p><u>Quantum Computing</u></p> <ul style="list-style-type: none"> José Luis Rodríguez, IBM Quantum Senior Ambassador, IBM Mexico <p><u>The Future of Food Production and Food Security</u></p> <ul style="list-style-type: none"> Javier Medina, Full Professor, Universidad del Valle, Cali, Colombia, Coordinator of the Foresight and Innovation Network of the Ibero-American Programme on Science and Technology for Development (CYTED) <p><u>Fintech and the Future of the Economy</u></p> <ul style="list-style-type: none"> José Rodríguez, CEO of Museo del Caos, Director Blockchain Land in Talent Land, Investor in Bitcoin, Blockchain and Fintech businesses since 2013 like BITSO, Playbusiness and Bank to the Future Luis Daniel Beltrán, Co-Founder and Tech. of Wemerang and HackerGarage, Mexico <p><u>Moderator:</u> Cesar Parga, Section Chief, Competitiveness, Innovation and Technology, Department of Economic Development, SEDI/OAS</p>	<p>PCYTH TECHNOLOGY BUILDING</p>
<p>17:00 – 18:00</p>	<p>Panel “Women in Technology”</p> <ul style="list-style-type: none"> Andrea Escobedo, Senior Professional, Government and Regulatory Affairs, IBM Mexico 	<p>PCYTH TECHNOLOGY BUILDING</p>

	<ul style="list-style-type: none"> • Laura Romero Robles, Director of Academic Services at the School of Engineering and Sciences, Monterrey Institute of Technology, Mexico, President of the Latin American and Caribbean Consortium of Engineering Institutions (LACCEI) and Member of the Matilda Research Chair on Women in Engineering in the Americas • Paola Amar, Vice-Chancellor for Research, Outreach and Innovation, Simon Bolivar University, Barranquilla, Colombia <p><u>Moderator:</u> Aryanne Quintal, Specialist, Competitiveness, Innovation and Technology Section, Department of Economic Development, SEDI/OAS</p>	
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THURSDAY MAY 19, 2022

TIME	ACTIVITY	VENUE
8:45 – 9:00	Registration <i>*Seminar available in-person and virtual</i>	PCYTH LOBBY
9:00 – 9:45	Keynote address “Blockchain: Non-Financial Uses” <ul style="list-style-type: none"> • Adrián Díaz, Kozolchik National Law Center for Inter-American Free Trade, Expert on Blockchain 	PCYTH TECHNOLOGY BUILDING

<p>9:45 – 10:45</p>	<p>Short Talks "Digital Transformation and the Future of the Americas"</p> <p><u>Digital Governance</u></p> <ul style="list-style-type: none"> David Oliva, Founder and Principal Advisor for Education, Research and Innovation at EUMex-Connect, Research Specialist on Transformative Technologies for the OAS-COMCYT <p><u>Virtual Reality and Augmented Reality</u></p> <ul style="list-style-type: none"> Arantxa Guillen, Policy Programs Manager at Meta for Latin America and the Caribbean <p><u>Transformative Technologies and Entrepreneurship</u></p> <ul style="list-style-type: none"> Lovaan Superville, Vice-President Science and Technology (Ag.), National Institute of Higher Education, Research, Science and Technology (NIHERST), Trinidad and Tobago <p><u>Moderator:</u> Maryse Robert, Director of the Department of Economic Development, SEDI/OAS</p>	<p>PCYTH TECHNOLOGY BUILDING</p>
<p>10:45 – 11:45</p>	<p>Panel "Centers of Excellence of Prospecta Americas on Transformative Technologies for the Americas"</p> <ul style="list-style-type: none"> Alonso Huerta, Director General, Council on Science, Technology and Innovation of Hidalgo (CITNOVA), Mexico Reynaldo Villareal, Director of AUDACIA Center on AI and Robotics, Simon Bolivar University, Colombia 	<p>PCYTH TECHNOLOGY BUILDING</p>

	<ul style="list-style-type: none"> Walter Estrada López, Director of the Center of Excellence on Advanced Materials and Nanotechnology (CEMAT), National University of Engineering, Peru <p><u>Moderator:</u> Cesar Parga, Section Chief, Competitiveness, Innovation and Technology, Department of Economic Development, SEDI/OAS</p>	
11:45 – 12:00	Break	PCYTH
12:00 – 13:00	<p>Short Talks “Nanosatellites and Space Robotics”</p> <ul style="list-style-type: none"> Luis Velasco, Space Engineer, NASA Jet Propulsion Lab, NASA – Zero Gravity Gustavo Medina Tanco, Head of the Space Instrumentation Laboratory (LINX), Institute of Nuclear Sciences, UNAM, Mexico <p><u>Moderator:</u> Fernando Guzman, Engineer, Soletop, South Korea</p>	PCYTH TECHNOLOGY BUILDING
13:00 – 15:00	Break for lunch	
15:00 – 16:00	<p>Panel “Humanity 2.0”</p> <ul style="list-style-type: none"> Christian Peñaloza, Managing Director and Principal Investigator of Mirai Innovation Research Institute, Japan-Mexico Andrea Escobedo, Senior Professional, Government and Regulatory Affairs, IBM Mexico 	PCYTH TECHNOLOGY BUILDING

	<ul style="list-style-type: none"> Omar Costilla-Reyes, Scientific Researcher in the Computer Science and Artificial Intelligence Laboratory (CSAIL), Massachusetts Institute of Technology (MIT), USA <p><u>Moderator:</u> José Franco López, Physics-Researcher, National Autonomous University of Mexico (UNAM), Former Vice-President of the National Academy of Sciences of Mexico</p>	
16:00 – 17:00	<p>Panel “The Future of Health and Medicine”</p> <ul style="list-style-type: none"> Claudia Gonzaga, Researcher and Group Leader, International Laboratory for Human Genome Research of the National Autonomous University of Mexico (UNAM) in Juriquilla, Queretaro Natacha de Paola, Professor of Biomedical Engineering, Director of IDMET (Digital Medical Engineering and Technology Research & Education Center), Illinois Institute of Technology Luis Eduardo Fernández, Co-Founder and CEO in TINC CMMS, Mexico <p><u>Moderator:</u> Brenda Valderrama Blanco, Full Professor and Deputy Director of the Biotechnology Institute, UNAM, Mexico</p>	PCYTH TECHNOLOGY BUILDING
17:00 – 17:30	<p>Conclusions and Closing Ceremony</p> <ul style="list-style-type: none"> Maryse Robert, Director of the Department of Economic Development, SEDI/OAS Lamán Carranza Ramírez, Head of the Planning and Prospective Unit, Gov. of the State of Hidalgo, Mexico 	PCYTH TECHNOLOGY BUILDING