

Day 1 29 de Octubre 2026 Morning				
8:30 – 9:00	Registration		Innovaction Gym	CETEC, Torre Norte, 2do piso.
9:00 – 9:50	Inauguration 		Innovaction Gym	CETEC, Torre Norte, 2do piso.
Time 	Room 	Format 	Title	Speakers 
9:50 – 10:45	Fractal	Special Session	Ingenieros Sin Fronteras Colombia: Ingeniería de impacto con y para las comunidades	Maria Catalina Ramirez Cajiao, Juan Daniel Alvarez Cadena, Samuel Bernal Neira, Maria Escobar, Carlos Felipe Castro.
10:45 – 11:00	Coffee Break 			
ROOM: ESFERAS TOPIC: Humanitarian Engineering for Peace and Social Transformation  https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTAtZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
11:00 – 12:30	11:00 – 11:30	Academic	Artistic Manifestos Emerging from Engineering Practice with Peacebuilding	Camilo Andrés Navarro Forero
	11:30 – 12:00	Academic	Protecting Data, Protecting People: Cybersecurity Design in a Humanitarian Context	Raúl Gómez Muñoz, Alberto Francisco Martínez Herrera, Ruth Rodríguez Gallegos
	12:00 – 12:30	Q&A		
ROOM: FRACTAL TOPIC: Digital Inclusion and Human-Centered Design  https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWl5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
11:00 – 12:30	11:00 – 11:15	Academic	Who Gets to Participate in an Inclusive Digital Future? A Systems Approach to Observing the Digital Gap	Constanza Alvarado M, Philippe Aniorte, Camilo Navarro, Nubia Garzon B, Nury Escobar G
	11:15 – 11:30	Academic	Human-Centered Mathematical Modelling in Engineering Education in the Age of AI: What Should Remain Distinctly Human? (Español)	Ruth Rodriguez Gallegos, Rafael Ernesto Bourguet Díaz
	11:30 – 11:45	Academic	Exploring sociocultural reasoning patterns of engineering students and professionals	Willem Bitterolf, Benjamin Lutz
	11:45 – 12:00	Academic	Developing an Engineering Justice Framework Through Students' Perspectives from an Engineering Ethics Module	Carol Flores Ocejo, Tecilli Tapia, Robyn Paul
	12:00 – 12:30	Q&A		
ROOM: SPARRING TOPIC: Trabajo y gobernanza organizacional  https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDk2ZmNiODYtMzFhYS00MmM5LTg4YmEtODkxMWU3ZTIzODA2%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
11:00 – 12:30	11:00 – 11:15	Academic	Del riesgo estructural al riesgo financiero: valoración del valor monetario esperado en proyectos logísticos interdependientes de un almacén industria	Carol Solanlli Ortega Martínez, Angélica Narváez Hernández, Yefry Isney Zambrano Chilito
	11:15 – 11:30	Academic	El Costo Humano de la Innovación: Dinámica de Sistemas para el Punto de Quiebre del Capital Humano en la Manufactura.	Miguel Ángel Garcés Díaz, Harrison Enríquez Gómez, Luisa María Jiménez Castro
	11:30 – 11:45	Academic	Ética y responsabilidad social en el ejercicio de la ingeniería en Colombia	Rubén Darío Ochoa Arbeláez Director General del Consejo Profesional Nacional de Ingeniería.
	11:45 – 12:00	Academic	Diseñando claridad en el trabajo: procesos que construyen organizaciones más humanas y resilientes	Gloria Martínez Vela
	12:00 – 12:30	Q&A		
12:30 – 14:00	LUNCH & OFFICIAL PICTURE  			

Day 1 29 de Octubre 2026 Afternoon				
Time 	Room 	Format 	Title	Speakers 
14:00 – 15:00	Fractal	Workshop	Untangling Complexity: Complexity Funnel Methodology (CFM) – Social Transformation Workshops (STW) Case Study: Fundación Polen	Alejandra María Vázquez Ugarte y Camilo Navarro
15:00 – 15:30	COFFEE BREAK 			
ROOM: ESFERAS TOPIC: Ingeniería, Sistemas Sociotécnicos y Construcción de Paz  https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTA4ZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
15:30 – 17:00	15:30 – 15:45	Academic	Narrar la ausencia: memoria histórica y construcción de paz	Fabio Andres Ribero - Andrea Cifuentes
	15:45 – 16:00	Academic	Construyendo colaboraciones a largo plazo/estratégicas con OSF	Marina Sandoval García, Raúl Gómez Muñoz, Luis Miguel Méndez Díaz, Alberto Francisco Martínez Herrera
	16:00 – 16:15	Academic	Proyecto Ilumina tú Futuro	Carlos Felipe Castro, Sofia Villamarin, Mariana Vásquez, Omar Andrés Medina, Camilo Andrés Guzmán
	16:15 – 16:30	Academic	Rutas de equidad: distribuyendo agua en un territorio de escasez. Modelo de ruteo de vehículos para la nivelación del déficit hídrico en comunidades dispersas de La Guajira.	Semjase Luna Vásquez, Ana Lizbany Nieva Uribe, Sara Isabel Solano Zuluaga
	16:30 – 16:45	Academic	Cátedra Ingeniería y paz en Colombia	Alexei Ochoa-Duarte, Andrés Leonardo León Rojas
	16:45 – 17:00	Q&A		
ROOM: FRACTAL TOPIC: Interdisciplinary Perspectives on Engineering and Justice  https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
15:30 – 17:00	15:30 – 15:45	Academic	Engineering students engagement in the ongoing Serbian student movement	Miodrag Darko Matovic
	15:45 – 16:00	Academic	EduMakers: University–Basic Education Collaboration for Inclusive Pedagogical Innovation in Mexico	Dayannis Tamayo Preval, Cristina Gehibíé Reynaga-Peña, José Rafael Aguilar Mejía, Alvaro Cheyenne de Jesus Valdez, José Manuel Olais-Govea
	16:00 – 16:15	Academic	An Integrated Framework for Operational Quality at BACMTY	Karina Hernández, Imelda Loera, Graciela Caffarel
	16:15 – 16:30	Academic	Sustainable Biohydrogen Supply Chain Design: An Expert-Data-Driven Multi-Objective Robust Optimization Framework	Saeed Sadeghi Darvazeh, Farzaneh Mansoori Mooseloo, Andrés Acero
	16:30 – 16:45	Academic	A conceptual model for the interruption of imperialism through the cessation of engineering labor	Corin L. Bowen, Allan VanZandt
	16:45 – 17:15	Q&A		
ROOM: FRACTAL  https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
17:15 – 17:45	Special Session	Cuando proteger los datos significa proteger a las personas: un diálogo entre estudiantes, educadores y un socio comunitario		Ruth Rodriguez Gallegos, Raúl Gómez Muñoz, Alberto Francisco Martínez Herrera

Day 2 30 de Octubre 2026 Morning				
8:30 – 9:00	Registration		Innovaction Gym	CETEC, Torre Norte, 2do piso.
Time 	Room 	Format 	Title	Speakers 
ROOM: ESFERAS TOPIC: Humanitarian Systems and Community Resilience  https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTA4ZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
09:00 – 10:30	09:00 – 09:15	Academic	Evaluating Civil Society Organizations Supporting Women Experiencing Violence: A Mixed-Methods Study in Indigenous Contexts in Mexico	Eva Selene Hernández Gress, Gabriela Yolanda Castañón García, Atziri Moreno Vite
	09:15 – 09:30	Academic	Equity-Driven Route Optimization for Food Assistance: An Enriched Orienteering Problem for Isolated Rural Communities in Southern Nuevo León	Paola Mireles Ochoa, Fernando Elizalde Ramírez, Abril Joana Margarita De León Rincón
	09:30 – 09:45	Academic	From Watershed Sustainability to Water Justice: Expanding the PSR Framework for Equity-Aware Decision Support.	Iyelitzin Núñez Razo
	09:45 – 10:00	Academic	Beyond the Technology: Co-Designing Accessible Wayfinding in a Natural Environment	Fermin Martinez-Contreras, Ron Peterson, Amy Perez, Haley Calhoun and Odesma Dalrymple
	10:00 – 10:15	Academic	Preservation through Integration: An Invitation to Engineering of Hope	Shehla Arif
	10:15 – 10:30	Q&A		
ROOM: FRACTAL TOPIC: Sustainable and Appropriate Technologies  https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
09:00 – 10:30	09:00 – 09:15	Academic	Blockchain Implementation in Agroindustrial Dairy Processes: A Digital Traceability Framework for Sustainable Bioeconomy	Oscar Alberto Alarcón Pérez, Sidhar Francisco Contreras Balaguera
	09:15 – 09:30	Academic	Engineering Human Systems for Circular Economy: Understanding Cognitive and Social Drivers of Waste Source Separation in a Colombian University	Jonathan Soto Paz, Orlando Joaqui, Brayan Parra-Orobio
	09:30 – 09:45	Academic	Engineering Circular Coffee Systems: An Integrated Anaerobic Digestion and Life Cycle Assessment Framework for Smallholder Coffee Production	Yessenia Martínez-Ruiz, Lorena Orozco, Nicolle Muñoz, Jonathan Soto Paz
	09:45 – 10:00	Academic	Innovation in Informality: Learnings from a grassroot innovation in Bogota, Colombia	Cristian Gil Sánchez
	10:00 – 10:15	Academic	From Artifact to Reconciliation: A Sociotechnical Humanitarian Engineering Approach in a Colombian Post-Conflict Community	Carlos Santiusti Gutiérrez
	10:15 – 10:30	Q&A		
10:30 – 11:00	COFFEE BREAK 			
ROOM: ESFERAS TOPIC: Ingeniería e Innovación para el Desarrollo Sostenible  https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTA4ZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
11:00 – 12:30	11:00 – 11:15	Academic	Impacto de las tecnologías digitales en la productividad y sostenibilidad de la producción de tomate en Colombia	Sidhar Francisco Contreras Balaguera, Oscar Alberto Alarcón Pérez
	11:15 – 11:30	Academic	UNIMINUTO de Colombia y su proyección social: desde la obra misional del sacerdote Rafael García Herreros hasta las propuestas innovadoras a empresas.	Albeiro José Medina Barros
	11:30 – 11:45	Academic	Modelo de negocio comunitario para la generación de valor social, económico y ambiental en la caficultura indígena Misak: estudio de caso de AGROALIK, Cauca, Colombia	Jhon Edwar Morales Tunubala, Yeferson Estiven Malpud Mipaz
	11:45 – 12:00	Academic	Del recuerdo al prototipo: preferencias de consumo nostálgico (Marketing de Nostalgia) como insumo para el diseño de ofertas sostenibles e inclusivas en Bogotá	María Cristina Salamanca Rojas, Miguel Ángel Díaz Díaz, Pablo Andrés Sandoval Vargas & Fabio Andrés Ribero Salazar
	12:00 – 12:15	Academic	Proyecto: Líderes del Mañana del Tec de Monterrey	Miguel Garzón y Andrés Acero
	12:10 – 12:30	Q&A		
ROOM: FRACTAL TOPIC: Engineering and Social Transformation  https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
11:00 – 12:30	11:00 – 11:15	Academic	Rethinking time in engineering education: Queer temporality, futurity and the politics of transformation.	Ilehen Padilla Sierra, Robyn Mae Paul
	11:15 – 11:30	Academic	AgroRed, an Intelligent Platform to Promote Agroecology Practice in Latinamerica	Alejandro Rodriguez, Maya Shroff, Marta Gonzalez
	11:30 – 11:45	Academic	Indexed Insurance Mechanisms for Solar Energy: A Non-Linear Multivariate Modeling Approach	Julio Cesar Cruz Ibañez, Adriana Lourdes Abrego Perez, Maria Catalina Ramirez Cajiao
	11:45 – 12:00	Academic	Engineering an Accessible Electrochemical Platform for Point-of-Care Biomarker Detection: CYFRA 21-1 as a Proof of Concept	Carlos Eduardo Fajardo Barocio
	12:00 – 12:30	Q&A		

12:30 – 13:30	LUNCH 🍷			
Day 2 30 de Octubre 2026 Afternoon				
Time 🕒	Room 🚪	Format 📄	Title	Speakers 🗣️
13:30 – 14:30	Fractal	Special Session	Carta de Santa Marta	Camilo Andrés Navarro Forero - Ramiro Jordan Tania Dbueno
ROOM: ESFERAS TOPIC: Ingeniería para Futuros Inclusivos y Sostenibles 🔗 https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTAtZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
14:30 – 16:00	14:30 – 14:45	Academic	Laboratorio Rural Guasca,Colombia: conectando sostenibilidad, tecnología e impacto social con el páramo andino.	Maria Catalina Ramirez Cajiao, Juan Daniel Alvarez Cadena, Samuel Bernal Neira, Maria Escobar y Carlos Felipe Castro.
	14:45 – 15:00	Academic	Aplicación de modelos de IA y LLMs para el soporte de procesos de paz - Caso Jurisdicción Especial para la Paz Colombia - JEP	Fredy Gamez, y equipo de JEP-IA
	15:00 – 15:15	Academic	Del residuo al recurso: aprovechamiento integral de biomasa residual para el fortalecimiento comunitario y el liderazgo de mujeres rurales	Laura Tatiana Torres Trujillo, Daniela Gutierrez de Piñerez Miguél, Anny Valeria Gurrero Zambrano
	15:15 – 15:30	Academic	Construyendo puentes entre lo formal y lo popular: La gobernanza socio-técnica del proyecto Triqui	Cristian Gil, Ángel Gutiérrez, Julia Díaz
	15:30 – 16:00	Q&A		
ROOM: FRACTAL TOPIC: Workforce, Justice and Industrial Practice 🔗 https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d				
14:30 – 16:00	14:30 – 14:45	Academic	Strengthening Timeliness in Occupational Health Services through System Dynamics: A Case Study of SERMEL IPS S.A.S.	Sebastián Sánchez Franco, Valentina Núñez Oviedo
	14:45 – 15:00	Academic	Test Parts Logistics at an OEM: A Case Study	José Carlos Rebón
	15:00 – 15:15	Academic	Inclusive Collaboration: Driving Operational Excellence in SMEs for a Sustainable Future.	Johonatan Nuncio, David Güemes-Castorena, Daniel Camacho Leal
	15:15 – 15:30	Academic	Idealized Design for Technology Deployment in Micro-retailers	Xavier Cazares, Andrés Acero
	15:30 – 16:00	Q&A		
Time	Room	Format	Title	Speakers
16:00 – 17:00	Esferas	Special Session	Why We Fall: Why Pain And Suffering Are Our Greatest Teachers 🔗 https://teams.microsoft.com/l/meetup-join/19%3ameeting_NjE5NjAyYTAtZTI4MC00ZDhjLThjNTItYjJmMzk1Y2E1YTE4%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d	Martinez Daniel
	Fractal	Special Session	Frankenstein and AI: an interactive learning experience 🔗 https://teams.microsoft.com/l/meetup-join/19%3ameeting_YmEwYTNkM2YtODAxMy00NjkzLWI5MjYtZDA5ODhhMTFINWNj%40thread.v2/0?context=%7b%22Tid%22%3a%22c65a3ea6-0f7c-400b-8934-5a6dc1705645%22%2c%22Oid%22%3a%226a93eaf3-c96c-49ed-8762-ef3ce2698201%22%7d	Jose Camilo Vasquez Caro
17:00 - 17:15	CLOSING REMARKS “ 🗨️ ”			

Day 3 31 de Octubre 2026 Morning (Only for registered people)				
Time	Meeting Point	Format	Title	Host
				
8:15 am	Expreso Tec Parking Lot (Behind CIAP Building)	Visit	Visit to Parque la Libertad	9:00 am Encuentro con el Secretario de Participación Ciudadana del Estado de Nuevo León, Mtro. Daniel Alejandro Acosta Fregoso