

PROGRAM

CENTRAL AFRICAN TIME (CAT)

			TIME (CAT)	TIIVIE (EST)		
MONDAY 16 NOVEMBER 2020						
SESSION 1	STUDIO 1	Research Papers: Teamwork and Mentoring Research Papers: Transition to University	08:30-09:20 09:30-10:20	01:30-02:20 02:30-03:20		
08:30–10:00 (CAT) 01:30–03:00 (EST)	STUDIO 2	Workshop: Effect of Pandemic on Education <i>Topic</i> - Insights from Students During Emergency Remote Teaching (<i>Presenters:</i> Johannes Spaas, Daniel Garcia, Raquel Pérez, Yoel Alonso, Vladica Pasic, Liisi Raudväli, BEST)	08:30-10:00	01:30-03:00		
SESSION 2 10:30–12:00 (CAT) 03:30–05:00	STUDIO 1	Workshop: Crisis Online Learning Topic - Actionable Insights from Engineering Educators During Emergency Remote Teaching. (Presenters - Karin Wolff and Johnson Carroll)	10:30–12:00	03:30-05:00		
(EST)	STUDIO 2					
SESSION 3	STUDIO 1	Research Papers: Online and Blended Learning 1	12:30-13:30	05:30-06:30		
12:30-14:00 (CAT) 05:30-07:00 (EST)	STUDIO 2	Workshop on Effect of Pandemic on Education <i>Topic</i> - Challenge-based Case Study (<i>Presenters:</i> Johannes Spaas, Daniel Garcia, Raquel Pérez, Yoel Alonso, Vladica Pasic, Liisi Raudväli, BEST)	12:30–14:00	05:30-07:00		
	STUDIO 1					
SESSION 4 14:30–16:15 (CAT) 07:30–09:15 (EST)	STUDIO 2	Opening Ceremony: IFEES President - Prof Ramiro Jordan GEDC Chair - Prof Sirin Tekinay IFEES General Secretary – Prof Hans J. Hoyer WFEO President - Prof Gong Ke GCC – Prof Sunil Maharaj TPC Chair - Dr Helen Inglis	14:30–15:30	07:30-08:30		
		Keynote Speaker Prof. Barbara Oakley Topic: Active Learning: Those Words Do Not Mean What You Think They Mean	15:30–16:15	08:30-09:15		
	STUDIO 1	Research Papers: Student Experience and Perspective	16:30–17:30	09:30-10:30		
SESSION 5 16:30–18:45 (CAT)		Presidents Forum: Topic: How can universities thrive in/post Covid-19 Moderator - Prof Wikus Van Niekerk Presenters - Prof Tawana Kupe, Dr Irma Becerra and Prof Simone Buitendijk	16:30–17:30	09:30-10:30		
09:30–11:45 (EST)	STUDIO 2	Keynote Speaker: Prof Bevlee A. Watford <i>Topic:</i> Broadening Participation in Engineering: Where are we and where are we going?	17:30–18:00	10:30–11:00		
		Panel on diversity (Presenter: Naadiya Moosajee, WomEng)	18:00–18:45	11:00-11:45		
SESSION 6 19:00–21:30 (CAT) 12:00–14:30 (EST)	STUDIO 1	Consolidation Session Engineering Education of the Future Topic - From the number of activities surrounding engineering education, at the consolidation session, we approach the results of the first day at the WEEF&GEDC conference discussing engineering education from both Academic and Student perspectives (presenters: Yashin Brijmohan and Aniek van Kersen)	19:00–20:30	12:00-13:30		
	STUDIO 2	Phoenix Contact: Shaping the Future Topic - From strategy to implementation: Shaping the future for the All Electric Society Speakers - Klaus Hengsbach and Jenny Schaffrath	19:00–19:30	12:00-12:30		
		Amazon Web Services Speaker: Thandi Majola Topic - How educational institutions are leveraging the AWS cloud to enable virtual learning & digital skills development	19:30–20:00	12:30-13:00		

CENTRAL AFRICAN TIME (CAT)

		TUESDAY		
		17 NOVEMBER 2020		
	CTUDIO 4	Research Papers: Assessment	08:30-09:20	01:30-02:20
SESSION 1 08:30–10:00 (CAT) 01:30–03:00 (EST)	STUDIO 1	Research Papers: Online and Blended Learning 2	09:30-10:30	02:30-03:30
	STUDIO 2	Innovation showcase	08:30-09:30	01:30-02:30
	STUDIO 3	Workshop: Transformation of Learning Technologies: <i>Topic</i> - A Futuristic Look Towards Learning (<i>Presenters:</i> Ruoqi Lian, Tianjin University and Youchi Zhang, Tsinghua University)	08:30-10:00	01:30-03:00
	STUDIO 1	Research Papers: Connection to engineering workplace	11:00–12:00	04:00-05:00
SESSION 2 10:30–12:00	STUDIO 2	Panel Session: Topic - Lifelong Learning and sustainability in engineering education (Presenters - AFEO President M.Manuhwa & Dr Soma Chakrabarti)	10:30-12:00	03:30-05:00
(CAT) 03:30-05:00 (EST)	STUDIO 3	Panel Session: Topic - Financing Peace: A financial proposition on the value of peace, empowering engineers to make meaningful financial change (Presenters: Mark Nelson, Peace Innovation Lab at Stanford and Lucia Vina Lopez, Peace Innovation Institute)	10:30–12:00	03:30-05:00
	STUDIO 1	Research Papers: Graduate attributes for future engineers	13:00-14:00	06:00-07:00
		Speaker: Mr Sun Gang: Topic: The Huawei Visition of Industry-Academy Collaboration	12:30–13:30	05:30-06:30
SESSION 3 12:30–14:00 (CAT)	STUDIO 2	Altair Presenter: Mr Armin Veitl Topic: Project-based Learning with Digital Twins for Mechatronics in Engineering Education	13:30-14:00	06:30-07:00
05:30-07:00 (EST)	STUDIO 3	Panel Session: Topic - Inclusivity in Engineering + Intercultural Competencies: Intersectionality and Empathy in Engineering & The Human-Centered Engineer Keynote: Dr Mira Olson (Presenters - Rachael Lau, Duke University and Laura Restrepo Alameda, SPEED)	12:30-14:00	05:30-07:00
		(Nesthers Rachael Edd, Bake Oniversity and Edd a Restrepo Marinead, 31 EEB)		
	STUDIO 1	Workshop: Mental Wellbeing Topic: Exhaustion and Authenticity in your career as an academic staff member (limited to 20 attendees) (Presenters - Lelanie Smith and Rebecca Broadbent)	14:30-16:30	07:30-09:30
SESSION 4		Keynote Speaker: Mr Xavier Fouger (Dassault Systemes) Topic: GEDC, a network at work - A journey towards educational innovation	14:30–15:15	07:30-08:15
14:30–16:15 (CAT) 07:30–09:15	STUDIO 2	Keynote Speaker: MathWorks Mr Michael Carone	15:15–15:45	08:15-08:45
(EST)		Topic: Digital Transformation through the systematic use of data and models IFEES Duncan Fraser Award: Dr S. Solby	15:45–16:30	08:45-09:30
	STUDIO 3	Workshop: Designing the Cities of Tomorrow 1 Topic - 24-hour hackathon competition where students will be grouped into multidisciplinary teams of 4-5, challenge presentation (Presenters: María Laura Polo González, SPEED and Faith Mzandu, WomEng)	14:30–16:00	07:30-09:00
		Consolidation Session: Mental Health & Wellness in Engineering Topic - In the midst of a global pandemic, mental health becomes a crucial topic of reflection, as well as a personal and social responsibility to take care of our		
	STUDIO 1	health. This consolidation session will bring upfront the importance of mental health in the engineering scenario. Keynote - M.D. Victoria Gómez Gallo	16:30–18:00	09:30–11:00
SESSION 5 16:30–18:45 (CAT)		Workshop: Inclusivity in Engineering + Intercultural Competencies <i>Topic:</i> Engagement Session (<i>Presenters</i> - Rachael Lau, Duke University and Laura Restrepo Alameda, SPEED)	18:00–18:45	11:00-11:45
09:30–11:45 (EST)	STUDIO 2	The Emerging Tech Foundation Presenter: Prasad Mavuduri Topic: Disruptive Digitization - Industry 4.0: Preparing Students for the next Industrial Revolution with Emerging Technologies	16:30–17:30	09:30–10:30
		MathWorks/Quanser & McMaster Univ Speakers: Dr Will Greenwood, Mr Paul Karam and Prof Ishwar Puri Title - Advancing Engineering Education with Virtual Labs	17:30-18:45	10:30-11:45
	STUDIO 3			
	STUDIO 1			
SESSION 6	STUDIO 2	Panel Session: Chair of Session: Prof Uriel Cukierman; Panelists - JL Roces, MG Mejia, J Fernandez and JD Abascal	19:00–20:15	12:00-13:15
19:00–21:30 (CAT)		Topic: Role of Ibero-American Engineering Academies LATAM GEDC Meeting Hosted by Dr Adriana Pino	20:15-21:30	13:15-14:30
(CAT) 12:00–14:30 (EST)	STUDIO 3	Panel Session: Topic - Peace Engineering in Security and the Rule of Law: Sharing global security solutions to increase ethical design in engineering (Presenter: Prof. Joseph Hughes, Drexel University) Keynote: Dr Alpaslan Özerdem Topic - Peace Engineering	19:00-20:30	12:00-13:30

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CENTRAL AFRICAN TIME (CAT)

WEDNESDAY 18 NOVEMBER 2020					
		Research Papers: Faculty Development and Student Engagement	08:30-09:20	01:30-02:20	
SESSION 1	STUDIO 1	Research Papers: Ethics	09:30-10:20	02:30-03:20	
08:30-10:00 (CAT) <i>01:30-03:00</i> (EST)	STUDIO 2	Panel Session: Topic - New Careers and Opportunities + Young Engineers, Future Thinking, Employment, Innovation, and Entrepreneurship (Presenters: Sanket Dhadke, SCALE and Faith Mzandu, WomEng)	08:30-10:00	01:30-03:00	
	STUDIO 3				
SESSION 2	STUDIO 1	Workshop: Ethics in Engineering Education Topic - Workshop on teaching ethics within engineering (limited to 45 attendees) (Presenters - Alison Gwynne-Evans, Marianne Camerer, Lyn Horn, Paula Saner and Manimagalay Chetty)	10:30–12:30	03:30-05:30	
10:30-12:00 (CAT)		Keynote Speaker: Mr Hakan Bulgurlu Topic: Roadmap to Post -covid recovery: Sustainability and Resilience	10:30-11:00	03:30-04:00	
03:30-05:00 (EST)	STUDIO 2	Book Launch: 'Rising to the Top'.	11.00 11.45	04:00 04:45	
		Dr Soma Chakrabarti and Prof Sirin Tekinay Workshop: African Engineering Education Research Network (EERN)	11:00–11:45	04:00-04:45	
	STUDIO 3	Topic = African Engineering Education Research Network (Presenters - Lelanie Smith, Esther Matemba, Aida Guerra and Mike Klassen)	10:30–12:30	03:30-05:30	
SESSION 3	STUDIO 1	Theme: Engineer Education Global Interface Session Chair - Yashin Brijmohan Panel Members: (ICEE) UNESCO - Prof Wu Qidi; WFEO - Prof Charlie Than; UNESCO, Director, Division of Science Policy and Capacity-Building - Dr Peggy Oti-Boateng; FEIAP - Dr Chuah Hean Teik	12:30–14:00	05:30-07:00	
12:30–14:00 (CAT) 05:30–07:00 (EST)	STUDIO 2	Consolidation Session: Workplace of the Future Topic - The third consolidation session will start with a keynote where participants will be invited to reflect on the importance of the workplace of the future. A panel of young professionals and engineers will jointly discuss subjects pertinent to the workplace: inclusivity, new careers and opportunities, cities of tomorrow, entrepreneurship, and the youth movement	12:30–14:00	05:30-07:00	
	STUDIO 3				
	STUDIO 1	Research Papers: Programme Development, Reform, and Evaluation	15:30–16:30	08:30-09:30	
SESSION 4	STUDIO 1 STUDIO 2	Research Papers: Programme Development, Reform, and Evaluation GEDC Diversity Award Ceremony Session Lead - Prof Sirin Tekinay Session Chair - Prof Ken Ball	15:30–16:30 14:30–15:15	08:30-09:30 07:30-08:15	
SESSION 4 14:30–16:15		GEDC Diversity Award Ceremony Session Lead - Prof Sirin Tekinay Session Chair - Prof Ken Ball GEDC Assembly			
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14:30–16:15 (CAT) <i>07:30–09:15</i>	STUDIO 2	GEDC Diversity Award Ceremony Session Lead - Prof Sirin Tekinay Session Chair - Prof Ken Ball GEDC Assembly (Prof Hans Hoyer / Prof Sirin Tekinay) Workshop: Designing the Cities of Tomorrow 2 Topic - Siemens Keynote (Dora Smith - Closing the engineering skills gap in the age of digitalization) Results presentation (Presenters: María Laura Polo González, SPEED and Faith Mzandu, WomEng)	14:30–15:15 15:15–16:00 14:30–16:00	07:30-08:15 08:15-09:00 07:30-09:00	
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PROGRAM

CENTRAL AFRICAN TIME (CAT)

THURSDAY 19 NOVEMBER 2020					
SESSION 1	STUDIO 1				
SESSION 2	STUDIO 1				
SESSION 3	STUDIO 1				
SESSION 4		Altair Presenter: Mark Burns Topic - Boosting engineering education by combining the power of data science with simulation	14:30–15:00	07:30-07:45	
14:30–16:15 (CAT) 07:30–09:15 (EST)	STUDIO 1	Speaker: Siemens CEO, Ms Dall'Omo Topic - Siemens, Advancing Digitalization in Africa Speaker: Mr Tommie Chambers (Siemens) Topic - Digital Twins for Education Speaker: Ms Dora Smith (Siemens) Topic - Academia 4.0: Empowering the next generation of digital talent	15:15-16:15	08:15-09:15	
		IFEES General Assembly Session Chair - Prof Ramiro Jordan	16:30–17:15	09:30-10:15	
SESSION 5 16:30–18:45 (CAT) 09:30–11:45 (EST)	STUDIO 1	Closing Plenary: 2021 Conference Promotion: Madrid 2020 General Conference Chair Vote of thanks IFEES Outgoing President Address GEDC Chair Closing Address Conference reflection, resolution and wrap-up by 2020 General Co-Chair IFEES President Elect Address Conference Closure	17:15–18:00	10:15–11:00	
SESSION 6	STUDIO 1				