

IEEE PES/IAS

Power Africa Conference 2022

PROGRAM

Convergence of National
& Off-Grid Systems

AUGUST 22-26

KIGALI, RWANDA



PAC Day 1

Monday 22-08-22

- ▶ Speech
- ▶ General
- ▶ Panel
- ▶ Smart Village
- ▶ Paper or Session
- ▶ Tutorial
- ▶ Meeting
- ▶ Break
- ▶ Workshop
- ▶ Postgraduate Forum

	START	END	DURATION	CMU AFRICA Upper Campus	Einstein ROOM 1	Einstein ROOM 2	Smart Grid Laboratory
Breakout	08:00	10:00	2 Hours	▶ Energy Access Workshop	▶ Tutorial: Fundamentals of Power System Protection, Paul Nyombi	▶ Tutorial: Renewable Energy Lab: Solar, Batteries and Hydropower, University of Rwanda	▶ Tutorial: Renewable Energy Lab: Solar, Batteries and Hydropower, University of Rwanda
Break	10:00	10:30	30 Min	▶ BREAK			
Breakout	10:30	12:30	2 Hours	▶ Energy Access Workshop	▶ Tutorial: Fundamentals of Power System Protection, Paul Nyombi	▶ Tutorial: Renewable Energy Lab: Solar, Batteries and Hydropower, University of Rwanda	▶ Tutorial: Renewable Energy Lab: Solar, Batteries and Hydropower, University of Rwanda
Break	12:30	13:30	1 Hour	▶ BREAK			
Breakout	13:30	15:30	2 Hours	▶ Energy Access Workshop	▶ Tutorial: Lightning Protection, Robert Durham & John Nelson	▶ Tutorial: Clean Cooking	
Break	15:30	16:00	30 Min	▶ BREAK			
Breakout	16:00	18:00	2 Hours	▶ Energy Access Workshop	▶ Tutorial: Lightning Protection, Robert Durham & John Nelson	▶ Tutorial: Clean Cooking	
	18:00	19:00	1 Hour	▶ CLOSING/NETWORKING			

PAC Day 2

Tuesday 23-08-22

- ▶ Speech
- ▶ General
- ▶ Panel
- ▶ Smart Village
- ▶ Paper or Session
- ▶ Tutorial
- ▶ Meeting
- ▶ Break
- ▶ Workshop
- ▶ Postgraduate Forum

	START	END	DURATION			
Plenary	18:30	19:00	30 Min	▶ CONFERENCE OPENING (Level 0 - Akagera Block E)		
	08:30	08:34	4 Min	▶ Welcome - Introduction to PowerAfrica - Local Organizing Team		
	08:34	08:40	6 Min	▶ Introduction to IEEE Power & Energy Society		
	08:40	08:46	6 Min	▶ Introduction to Industry Applications Society		
	08:46	08:58	12 Min	▶ Rwanda Ministry of Infrastructure		
	08:58	09:10	12 Min	▶ IEEE Smart Village		
	09:10	09:45	35 Min	▶ Keynote: Ron Weiss, CEO, Rwanda Energy Group		
Break	11:00	11:30	30 Min	▶ Tea & Cofee BREAK		
				Paper Presentations	Smart Village	Energy Access Workshop
Breakout	11:30	11:45	15 Min	▶ Paper Presentations: Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)	▶ Smart Village: Developers/Enterprenuer presentation (Level 2 - E Karisimbi)	▶ Energy Access Workshop (CMU AFRICA Upper Campus)
	11:45	12:00	15 Min			
	12:00	12:15	15 Min			
	12:15	12:30	15 Min			
	12:30	12:45	15 Min			
Break	12:45	13:45	1 Hour	▶ Lunch BREAK		
Plenary	13:45	15:15	1 Hr 30 Min	▶ Panel: Women In Engineering Level 0 - Akagera (Block E)		
Break	15:15	15:45	30 Min	▶ Tea & Cofee BREAK		
Breakout	15:45	16:00	15 Min	▶ Paper Presentations : Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)	▶ Smart Village: Developers/Enterprenuer presentation (Level 2 - E Karisimbi)	▶ Energy Access Workshop (CMU AFRICA Upper Campus)
	16:00	16:15	15 Min			
	16:15	16:30	15 Min			
	16:30	16:45	15 Min			
	16:45	17:00	15 Min			
Breakout	17:00	18:30	1 Hr 30 Min	▶ Panel: Smart Lighting (Level 0 - Akagera Block E)	▶ Panel: Power Pools (Level 0 East)	▶ Smart Village: Developers/ Enterprenuer presentation
	18:30	19:00	30 Min	▶ CLOSING / NETWORKING		

PAC Day 3

Wednesday 24-08-22

- ▶ Speech
- ▶ General
- ▶ Panel
- ▶ Smart Village
- ▶ Paper or Session
- ▶ Tutorial
- ▶ Meeting
- ▶ Break
- ▶ Workshop
- ▶ Postgraduate Forum

	START	END	DURATION			
Plenary	08:30	08:35	5 Min	▶ Welcome to Day 3		
	08:35	09:15	40 Min	▶ IRENA: World Energy Transition Outlook		
	09:15	11:00	1 Hr 45 Min	▶ Panel: EPD Productive Use (Level 0 - Akagera Block E)		
Break	11:00	11:30	30 Min	▶ Tea & Cofee BREAK		
				Paper Presentations	Smart Village	PG Forum
Breakout	11:30	11:45	15 Min	▶ Paper Presentations : Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)	▶ Smart Village: ISV Committee Leadership Day Level 2 - Karisimbi (Block E)	▶ Postgraduate Forum: How to find a research gap and scientific thinking, Irene Samy Level 1 - Kigali (Block E)
	11:45	12:00	15 Min			
	12:00	12:15	15 Min			
	12:15	12:30	15 Min			
	12:30	12:45	15 Min			
Break	12:45	13:45	1 Hour	▶ Lunch BREAK		
Plenary	13:45	15:15	1 Hr 30 Min	▶ Panel: Diversity and Inclusion Level 0 - Akagera (Block E)		
Break	15:15	15:45	30 Min	▶ Tea & Cofee BREAK		
Breakout	15:45	16:00	15 Min	▶ Paper Presentations : Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)	▶ Smart Village: ISV Committee Leadership Day Level 2 - Karisimbi (Block E)	▶ Postgraduate Forum: How to find a research gap and scientific thinking, Irene Samy Level 1 - Kigali (Block E)
	16:00	16:15	15 Min			
	16:15	16:30	15 Min			
	16:30	16:45	15 Min			
	16:45	17:00	15 Min			
Breakout	17:00	18:30	1 Hr 30 Min	▶ Panel: Energy Access Innovation Workshop Report Back Level 0 - Akagera (Block)	▶ Panel: Professional Development Resources for Engineers in Africa Level 0 - East	▶ Smart Village: ISV Open House
	18:30	19:00	30 Min	▶ CLOSING / NETWORKING		

PAC Day 4 Thursday

25-08-22

- ▶ Speech
- ▶ General
- ▶ Panel
- ▶ Smart Village
- ▶ Paper or Session
- ▶ Tutorial
- ▶ Meeting
- ▶ Break
- ▶ Workshop
- ▶ Postgraduate Forum

	START	END	DURATION				
				▶ Welcome to Day 4			
Plenary	08:30	08:35	5 Min				
	08:35	09:15	40 Min	▶ IEEE Initiatives on Climate Change: Wei Jen Lee (Level 0 - Akagera Block E)			
	09:15	11:00	1 Hr 45 Min	▶ Panel: Grid Integration of Solar (Level 0 - Akagera Block E)			
Break	11:00	11:30:	30 Min	▶ Tea & Cofee BREAK			
				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 60%;">Paper Presentations</th> <th style="width: 20%;">Smart Village</th> <th style="width: 20%;">PG Forum</th> </tr> </table>	Paper Presentations	Smart Village	PG Forum
Paper Presentations	Smart Village	PG Forum					
Breakout	11:30	11:45	15 Min	▶ Paper Presentations : Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)			
	11:45	12:00	15 Min				
	12:00	12:15	15 Min				
	12:15	12:30	15 Min				
	12:30	12:45	15 Min				
				▶ Smart Village			
				▶ Postgraduate Forum: Market identification and business model decisions, Avoki Omekanda			
Break	12:45	13:45	1 Hour	▶ Lunch BREAK			
Plenary	13:45	15:15	1 Hr 30 Min	▶ Panel: E-Mobility (Level 0 - Akagera Block E)			
Break	15:15	15:45	30 Min	▶ Tea & Cofee BREAK			
Breakout	15:45	16:00	15 Min	▶ Paper Presentations : Level 0 - Akagera, West, East (Block D) Level 1 - North (Block D) Level 2 - South (Block D)			
	16:00	16:15	15 Min				
	16:15	16:30	15 Min				
	16:30	16:45	15 Min				
	16:45	17:00	15 Min				
				▶ Smart Village			
				▶ Postgraduate Forum: Climate Change Interventions and Green Energy Analytics: A Nexus for Future Generation in Africa, Kennedy Chinedu Okafor			
Plenary	17:00	17:30	30 Min	▶ CLOSING CEREMONY (Level 0 - Akagera Block E)			
Break	17:30	18:00	30 Min	▶ Transport to Gala Dinner			
Plenary	18:00	20:00	2 Hours	▶ Gala Dinner & Multicultural soire (Santa Familia)			
	20:00	20:30	30 Min	▶ CLOSING / NETWORKING			

PAC Day 5

Friday 26-08-22

→ Tour

➡ Break

➡ Trip

START	END	DURATION	
07:30	08:00	30 Min	➡ Cofee and tea at the venue
08:00	09:20	1 Hr 20 Min	➡ Trip to Zipline from Venue
09:20	11:20	2 Hours	→ Tour at Zipline
11:20	12:50	1 Hr 30 Min	➡ Trip from Zipline to lunch at selected venue in Kigali
12:50	13:50	1 Hour	➡ Lunch break
13:50	14:20	30 Min	➡ Trip to Museum
14:20	15:50	45 Min	→ Tour at the Museum
15:50	16:20	45 Min	➡ Trip from Museum to Kigali car free zone
16:20	17:05	1 Hour	→ Tour at Kigali Car Free zone
17:05	17:15	15 Min	➡ Trip to Biryogo Car free zone
17:15	18:00	45 Min	→ Tour at Biryogo car free zone
18:00	18:10	15 Min	➡ Trip back to venue
18:10	18:30	15 Min	➡ Closing

START	END	DURATION	
7:30	11:00	3 Hrs 30 Min	➡ Trip to Nasho Irrigation farm (Snacks, tea and coffee will be taken while on the journey)
11:00	12:30	1 Hr 30 Min	→ Tour at Nasho
12:30	13:30	1 Hour	➡ Lunch at selected resturant near Nasho
13:30	17:00	3 Hrs 30 Min	➡ Trip to Kigali Car free zone
17:00	17:30	30 Min	→ Tour at Kigali car free zone
17:30	17:40	10 Min	➡ Trip to Biryogo car free zone
17:40	18:10	30 Min	→ Tour at Biryogo car free zone
18:10	18:20	10 Min	➡ Trip back to venue
18:20	18:30	10 Min	➡ Closing