

IEEE KSYP Smart Living Congress 2024 Program

Website: <https://ieee-kenyaconference.org/>

Pre-IEEE KSYP Innovation Expo 6th November, 2024 at Strathmore University Activities

S/N	Time	Activity	Description
1	9.00 a.m. – 4.00 p.m.	Innovation Expo	Showcase of diverse projects by students and young professionals.
2	9.00 a.m. - 4.00 p.m.	Flea Market	Platform for SMEs to sell a variety of products and services.
3	9.00 a.m. - 4.00 p.m.	Entertainment	Includes dancing, board games, team building activities
4	9.00 a.m. – 4.00 p.m.	Registration and Gift Hampers	Presentation of gift hampers to participants of the IEEE KSYP Congress upon registration.

IEEE KSYP Smart Living Congress Day 1, 7th November, 2024 at The Panari Hotel

S/N	Time	Activity	Description
1	8.00 a.m. -8:45 a.m.	Arrival and registration	Arrival and registration for all attendees of the Congress.
2	8:50 a.m – 9:00 a.m	Opening remarks	Muthomi Waweru – Organizing committee
3	9:00 a.m – 10:00 a.m	Keynote speeches from various representatives	Prof. Izael Da Silva Towett Kiprotich – Ministry of ICT- The Government's Perspective on Smart Living: Addressing the Theme and Cross-Cutting Issues Allan Kimeli, Chair SAC Kenya – Student Opportunities within IEEE
4	10.00 a.m. – 11.00 a.m.	Breaktime	Tea break and networking session
5	11.00 a.m. - 1.00 p.m.	Workshops/Panel discussions led by IEEE Societies	IEEE PES –Energy and Climate Action CSTF – E-mobility CASS – Prototyping and circuit Design
6	1.00 p.m. -2.00 p.m.	Lunch	Lunch break and networking session
7	2.00 p.m. – 3.00 p.m.	Round-table discussions	Group discussions led by Young Professionals (YP) and Sensors Council in groups of 15-20 to identify challenges and explore solutions in smart living, innovation, and entrepreneurship. Participants, including industry professionals, master's, and PhD students, will share their experiences and collaboratively seek solutions.
7	3.00 p.m. – 4.00 p.m.	Panel Session	Panel focusing on E-mobility.

8	4.00 p.m. – 5.00 p.m.	Poster pitching	Presentations by Student Branches, Young Professionals, Affinity Groups, and Societies showcasing their achievements for 2024, followed by a voting session.
9	5.00 p.m. – 6.00 p.m.	Evening tea	Evening tea with informal networking; attendees depart at their convenience.

IEEE KSYP Smart Living Congress Day 2, 8th November at The Panari Hotel

S/N	Time	Activity	Description
1	8.00 a.m. – 9.00 a.m.	Arrival and registration	Check-in for all Congress attendees.
2	9.00 a.m. – 10.00 a.m.	Keynote speeches	<p>Pius Wathome (giz)- green skills and job opportunities for young Kenyan professionals.</p> <p>Onesmus Muli (Jinkosolar) – Business Strategy: Developing effective business models and go-to-market strategies.</p> <p>Stacy Awinja (Rice360) - healthcare innovation.</p> <p>Kevin Odero (Angaza Elimu)- emerging technologies, tech startups, and disruptive innovations.</p>
3	10.00 a.m. – 11.00 a.m.	Break	Tea break and Networking Session
	11:00 a.m – 12:00 p.m	Keynote speech	IEEE CASS - Contribution of circuits and systems in Smart Living
4	12.00 p.m. – 1.00 p.m.	Workshops/ Discussions industries	Panel led by Octavia Carbon -Direct Air Capture technology and the potential for Kenya to lead on this HTB Workshop
5	1.00 p.m. – 2.00 p.m.	Lunch	Lunch and Networking Session

6	2.00 p.m. – 3.00 p.m.	Business pitching	10-minutes business pitching by 8 different groups Paper presentations from Sensors Council
7	3.00 p.m. – 4.00 p.m.	Panel discussions	Panel session focused on mentorship
8	4.00 p.m. – 6.00 p.m.	Preparation for the Prom Night	Preparations for the evening's Prom Night event.

Gala Dinner at The Boma Hotel

S/N	Time	Activities	Description
1	6.00 p.m. – 7.00 p.m.	Arrival and Meal Serving	Registration and Grand Entry Recording
2	7.00 p.m. – 8.00 p.m.	Dinner	Dance performance and Meal Serving
3	8.00 p.m. – 8.30 p.m.	Awarding Ceremony and Closing Remarks	Awarding ceremony for top 3 business pitches Different groups nominated to be the best during the poster presentation Organizing team Panelists MC Moderators Sponsors
4	9.00 p.m. - Midnight	Entertainment	Prom night with a dancing session for all attendees

Topics

Smart Living

1. Urban Smart Cities: Innovations in smart city infrastructure and technologies.
2. Sustainable Living: Solutions for reducing environmental impact through smart technologies.
3. Smart Homes: Integration of IoT devices for enhanced home automation and security.
4. Healthcare Technologies: Advances in telemedicine, wearable health monitors, and personalized healthcare.
5. Energy Efficiency: Smart grids, renewable energy solutions, and energy conservation technologies.

Innovation

1. Emerging Technologies: The impact of AI, machine learning, and blockchain on various industries.
2. Tech Startups: Challenges and opportunities for new technology ventures.
3. Disruptive Innovations: How new innovations are transforming traditional industries.
4. Research and Development: Trends in R&D and their implications for future technologies.
5. Intellectual Property: Strategies for protecting and managing IP in a rapidly evolving tech landscape.

Entrepreneurship

1. Startup Ecosystem: Building and scaling a successful startup in today's market.
2. Funding and Investment: Navigating venture capital, angel investors, and crowdfunding.
3. Business Strategy: Developing effective business models and go-to-market strategies.
4. Leadership and Management: Essential skills for leading and managing a growing business.
5. Market Trends: Understanding and capitalizing on current market trends and consumer behavior.

Cross-Disciplinary Topics

1. Digital Transformation: Integrating digital technologies into business operations and strategies.
2. Ethics in Technology: Addressing ethical considerations in the development and application of new technologies.
3. Global Challenges: Solutions to global challenges through innovative technologies and entrepreneurial approaches.
4. Collaborative Innovation: The role of partnerships and collaborations in driving innovation.
5. Education and Skill Development: Preparing the next generation for careers in technology and entrepreneurship.

Mentorship Sessions

1. Advise to my younger self on career paths
2. Navigating challenges in my career as a lady in engineering.
3. How can I maintain my femininity or masculinity while still progressing in my tech career space

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