**TAWECE 2024 Sub-themes and respective topics**

**Please submit your paper to** **info@ietwomenchapter.or.tz** **before 25th July 2024**

**Main theme:** Harnessing the Strength of Women engineers to drive Progress towards a Sustainable world

**Sub themes and related TOPICS**

1. **Women's Role in Driving Energy transition and Demand side response.** This will discuss the contributions of women engineers in creating and promoting energy-efficient technologies and practices in various industries.

**Key words (TOPICS)**

* Clean cooking technology: “**Women as Innovators and Advocates in Clean Cooking Technology**". The topic recognizes women's pivotal roles not only as users but also as innovators, advocates, and leaders in promoting clean cooking technologies. This topic highlights their contributions to improving energy efficiency, reducing indoor air pollution, and advancing sustainable practices in households and communities. It also underscores the importance of empowering women to drive change in this critical aspect of energy and environmental sustainability
* E-mobility: **"Women Pioneering Sustainable e-Mobility: Leading the Charge in E-Mobility"**. The topic highlights women's significant contributions and leadership in promoting and advancing e-mobility solutions. This ttopic emphasizes their roles in driving energy efficiency and conservation within the context of transportation and mobility sectors. It underscores the need to empower women as key stakeholders in shaping the future of sustainable transportation through their innovation, advocacy, and leadership in e-mobility initiatives
* Renewable energy/Women Led: **"Women Leading the Transition: Accelerating Renewable Energy Share "**. This topic focuses on women's pivotal roles in promoting, implementing, and advocating for renewable energy solutions. It highlights their contributions to enhancing energy efficiency and conservation through renewable sources such as solar, wind, hydro, geothermal and biomass. This topic underscores the importance of recognizing and empowering women as leaders and innovators in the renewable energy sector, thereby accelerating the transition towards a more sustainable energy future
* Waste management: **"Women at the Forefront: Innovating Waste Management Practice for Sustainable Future "**. This topic emphasizes women's leadership and contributions in transforming waste management practices to enhance energy efficiency and promote conservation. It highlights their roles in innovating sustainable waste-to-energy technologies, advocating for recycling and waste reduction strategies, and leading community initiatives for efficient resource utilization. This topic underscores the significant impact of women in driving positive environmental outcomes through effective waste management practices.
1. **Climate Resilience: Women Leading the Charge for Sustainable Future**

This will discuss the critical roles innovative climate strategies in developing resilient infrastructure and systems can support to withstand the impacts of climate change.

**Key words (TOPIC)**

* Green infrastructure/technology: **"Women's Leadership in Green Infrastructure: Building Climate Resilience for a Sustainable Future"**. This focuses on the pivotal roles of women in spearheading efforts related to green infrastructure and technology, particularly in the context of climate resilience. This theme emphasizes their leadership in designing, implementing, and advocating for sustainable infrastructure projects that enhance resilience to climate change impacts. It highlights the importance of empowering women as key drivers of innovation and progress towards a more sustainable and resilient future.
* SMART Agriculture: **"Women Driving Climate SMART Agriculture for a Sustainable Future".** This focuses on exploring potential of agricultural initiatives catering for people in areas with limited land space, promoting water efficient irrigation measures, remote controlling approaches, and cost conscious.
* Water sensitive urban design/SUDs/Low impact designs e.g rain water: **"The Role of Women in Promoting Green infrastructures as a Sustainable Water Management Strategy in Urban Areas".** This focuses on techniques and technologies that can be adopted in our urbanized cities counteracting effects brought forth by urbanization. Alternative for individual residential areas and also for commercial and community serving areas.
1. **Championing Female Engineers for a Sustainable and Equitable Future**

This will discuss initiatives and policies that support and promote the involvement of women in sustainability projects, emphasizing the benefits of a diverse workforce.

**Key word (TOPIC)**

* Legal and institutional framework to enhance women participation

**Topic:** "Legal and Institutional Frameworks for Empowering Female Engineers in Building a Sustainable and Equitable Future"

**Overview:** This topic explores the role of legal and institutional frameworks from different sectors in empowering female engineers to contribute effectively to sustainable development goals. It examines policies, regulations, and organizational practices that promote gender equality and inclusion, support women in engineering education and careers growth, and foster an inclusive and equitable environment within engineering sectors.

1. Key sectors on gender inclusion and empowerment: Construction sector (Enhancing women participation in construction/road works)/ Mining sector (Mining Act)/Energy sector (Clean energy strategy/renewable energy strategy)/Water sector (Integrated water resources management – gender aspect, multi purpose dams)
2. Cross sectoral matters (our involvement and engagement): Procurement Act, Tanzania Development Vision 2050, Africa agenda 2063
3. **Cross cutting Matters**

**Promoting peace, security and well-being for sustainable Women Empowerment Initiatives**

**Topic 1:** "Strengthening peace and security for Promoting Well-being and Women Empowerment"

**Overview:** This topic explores the role and impact of peace and security initiatives such as police gender desks, gender-based violence, in promoting well-being, safety, and empowerment for women. It examines strategies, policies, and initiatives that enhance the effectiveness of gender desks in addressing gender-based violence, supporting victims, and promoting gender equality within law enforcement agencies.

**Topic 2:** "Integrating Exercise, Fashion, Nutrition, and Mental Health for Women's Empowerment and Sustainable Well-being"

**Overview:** This topic explores the interconnected roles of exercise, fashion, nutrition, and mental health in promoting well-being and empowerment among women. It examines strategies and initiatives that leverage these lifestyle factors to foster resilience, promote self-care, and enhance sustainable living practices.

**Topic 3:** "Achieving Work-Life Balance: Supporting Parenthood for Women's Empowerment and Child Thriving"

**Overview:** This topic explores strategies and initiatives that support work-life balance, specifically focusing on parenthood and its impact on women's empowerment and child thriving. It examines policies, workplace practices, and community support systems that enable women to effectively balance career aspirations with parental responsibilities, fostering well-being and sustainable development for both women and their children.