

CALL FOR ABSTRACTS AND PAPERS



56th ANNUAL GENERAL MEETING AND CONFERENCE

Theme: Engineering the Food Security and Sustainable Agriculture Value Chain

Venue: Volta Serene Hotel, Ho

Date: 16th to 20th March, 2026

Theme Synopsis

In the face of growing global populations, climate challenges, and dwindling natural resources, ensuring food security through sustainable agricultural development has never been more urgent. Thus, the Ghana Institution of Engineering (GhIE) invites you to its 56th Annual General Meeting and Conference on the theme **“Engineering the Food Security and Sustainable Agriculture Value Chain”** from 16th to 20th March 2026 in Ho, Ghana. The conference will bring together experts, innovators, policymakers, practitioners and stakeholders to explore integrated, technology-driven, and sustainable approaches that can transform the agricultural sector into a resilient and equitable system. The conference aims to address the full spectrum of the agricultural value chain –from production to consumption– through dialogues on innovative engineering solutions, sustainable farming practices, robust policy frameworks, and inclusive financing mechanisms that support long-term food security. The conference would provide a platform for actionable insights, cross-sector collaboration, and knowledge exchange to build a food-secure and sustainable agriculture for national development.

Sub-Themes:

1. Innovative Engineering Solutions for Food Security

This would focus on cutting-edge technologies including precision agriculture, smart irrigation, agricultural machinery, and ICT tools (AI, drones, IoT, big data) that can significantly enhance food production, reduce losses, and increase efficiency as well as technologies for processing and packaging of agricultural products to enhance market value and strengthen the national economy.

2. Infrastructure for Sustainable Agricultural Value Chains

This would focus on production infrastructure including water management systems, irrigation systems, wastewater re-use systems, energy-efficient equipment, renewable energy systems, processing facilities, solar-powered cold storage green buildings, and efficient transportation systems including multi-modal transport networks, roads, rail, electric vehicles, and non-motorized transport to streamline supply chains, reduce post-harvest losses, and improve access to markets.

3. Climate-Smart Agriculture Systems

This would explore adaptive agricultural strategies and climate-smart innovations that reduce emissions, enhance resilience, and protect livelihoods from the impacts of climate variability as well as environmentally sound and resource-efficient farming methods to maintain soil health, conserve biodiversity, and minimize negative ecological impacts while ensuring high yields.

4. Sustainable Financing and Policy Frameworks

The focus would be on innovative financial instruments, investments, public-private partnerships and evidence-based policy frameworks that empower farmers and agribusinesses, promote sustainable practices and equitable resource allocation, and scale up sustainable agricultural solutions.

5. Sustainable Processes, Materials and Food System Technologies

Eco-friendly fertilizers and agro-inputs, biomass conversion into bio-based products, advanced food processing and preservation technologies, sustainable packaging, and cold chain and transport systems that reduce post-harvest losses. It also includes strategies to minimize the environmental footprint of agricultural practices while ensuring efficiency across the food system.

6. Youth, Gender, and Inclusive Agripreneurship

This would explore how to strengthen human capital by empowering women, youth, and marginalized groups with skills, entrepreneurship opportunities, and market access to ensure agricultural transformation is equitable, inclusive, and sustainable.

KEY ACTIVITIES:

- Young Engineers & Craftsmen Forum
- Keynote Industry Presentations
- Technical Sessions
- Panel Discussion
- WinE Forum
- Annual General Meeting
- Conference Banquet
- Technical Tours



ABSTRACT AND PAPER SUBMISSIONS:

GhIE is pleased to invite all members and affiliates including scientists, academics, and students to submit abstracts and papers of their original work or project for oral or poster presentation at the conference. The submissions should generally be on any of the conference sub-themes or related areas. Abstracts should be in the English Language, **not more than 250 words** and must be submitted via email to **journal@ghie.org.gh** using the attached Abstract Template. Authors of accepted abstracts for oral or poster presentations shall be notified to submit full papers. Papers should not be more than 7500 words, prepared following the guidelines in the attached Paper Template, and submitted online at www.ghiejournal.com. All papers will go through peer reviews, and authors will be required to address review comments prior to paper acceptance and presentation. Selected accepted papers will be published in a special issue of the Journal of the Ghana Institution of Engineering (JGhIE).

IMPORTANT DATES:

Abstract Submission:	1st October – 25th November 2025
Notification of Abstract Acceptance:	28th November 2025
Full Paper Submission:	29th November 2025 – 10th January 2026
Notification of Paper Acceptance:	10th February 2026
Finalisation of Accepted Papers:	28th February 2026
Submission of Final Presentations:	10th March 2026
Opening of Registration:	15th January 2026
Early Bird Registration:	15th January – 15th February 2026

CONTACT INFORMATION:

Questions on paper submissions and conference registration should be sent to journal@ghie.org.gh or secretariat@ghie.org.gh respectively.

