



GHANA DIGITAL & INNOVATION WEEK 2024

Application for Call for Research Papers: Research Poster Presentation

AUTHORS GUIDE

INTRODUCTION

The Ghana Digital & Innovation Week (GDIW) 2024 is excited to introduce a new component this year – the Research Poster Presentation. This initiative aims to highlight the critical role of research in driving digital innovation and transformation in Ghana. We invite researchers, students, and professionals from academia and industry to submit their cutting-edge research papers for consideration.

This application form is your gateway to participating in this groundbreaking event. Completing this form will provide us with the necessary details about your research, which will be evaluated for inclusion in the GDIW Research Poster Presentation.

Please ensure that all sections of the form are accurately completed and the deadlines submit all required documents. We look forward to reviewing your contributions and exploring the innovative solutions you bring to the digital landscape of Ghana.

ELIGIBILITY: Open to researchers, students, and professionals from academia and industry

THEME: “Advancing Digital Transformation and Innovation through Research”

THEMATIC AREAS

The thematic areas are based on the eight (8) priority areas of the Ministry of Environment, Science, Technology and Innovation (MESTI) in addition to the cross-cutting theme on bridging innovation and traditional knowledge:

- a. **Environmental Protection and Sustainability:** Explore how digital tools like IoT and AI can enhance Ghana's environmental monitoring and resource management. Focus on innovations in waste management, conservation, and climate resilience technologies.
- b. **Science, Technology, and Innovation (STI) Development:** Showcase cutting-edge research on emerging technologies (AI, Blockchain, IoT) that drive digital transformation. Highlight case studies demonstrating the impact of STI on industry growth and policy frameworks.
- c. **Research and Development:** Present research on digital health, education, and data analytics. Emphasise innovations contributing to local industries and showcase successful implementations in Ghana's context.



- d. **Waste Management and Sanitation:** Investigate how digital solutions and smart technologies improve waste management and sanitation. Highlight tracking, recycling, and resource efficiency innovations that drive urban sustainability.
- e. **Industrialization and Value Addition:** Explore the role of digital technologies in enhancing industrial processes and adding value to raw materials. Discuss the impact of digital solutions on manufacturing, agriculture, and service sectors in Ghana.
- f. **Food and Agriculture:** Present research on digital transformation in agriculture, including precision farming, smart irrigation, and data-driven decision-making. Highlight innovations that improve food security and sustainability.
- g. **Energy and Natural Resources:** Investigate the application of digital technologies in energy management, renewable energy, and resource optimization. Discuss how smart grids, IoT, and big data contribute to sustainable energy use.
- h. **Climate Change and Disaster Risk Management:** Showcase digital innovations in climate change adaptation, disaster risk management, and resilient infrastructure. Highlight the role of AI, data analytics, and early warning systems in protecting communities.
- i. **Cross-cutting theme: Bridging Innovation and Traditional Knowledge:** This theme aims to unify the MESTT's 8 priority areas by emphasizing the integration of traditional and modern approaches and the importance of partnerships in driving impactful innovation.
 - **Interoperability and the Ghana Card:** Highlight the technologies behind Mobile Money Interoperability and the Ghana Card, showcasing their success and exploring the untapped potential for further innovation.
 - **Indigenous Knowledge (IK) and Technological Interventions:** Celebrate and explore the integration of IK with digital innovations, focusing on opportunities for scaling and broader application.
 - **Role of Development Partners:** Emphasize the critical role of development partners in supporting innovation development and identifying untapped areas for collaboration and funding to drive transformation.

RESEARCH PAPER CONTENT

- a. **Background of Research Paper** (provide a brief background of your research, including the problem statement and context)
- b. **Study Objectives** (What are the primary objectives of your objectives)
- c. **Methods** (Outline the methodology used in your research)
- d. **Results** (Summarise the key findings of your research)
- e. **Discussion** (Discuss the implications of your findings and how they contribute to the thematic area(s) selected)
- f. **Relevance to Digital Innovation and Transformation** (Explain how your research is relevant to digital innovation and transformation in Ghana)



- g. **Potential Impact/Uptake** (Discuss the potential real-world application and impact of your research)
- h. **References** (List the key references used in your research)

SUBMISSION GUIDELINES:

- a. **Abstract Submission:** 250 words summarising the research, including identified gap(s), objectives, methodology, key findings, relevance to digital innovation, and potential impact/uptake
- b. **Full paper submission for selected abstracts (Optional):** 2000 - 3000 words providing a more detailed account of the research
- c. **Poster Design:** A4 or A3 format, must include title, authors, introduction, methodology, results, discussions, and references
- d. **Format:** PDF for digital submissions; printed colour poster for physical display.
- e. **Poster design:** [Access via this link](#)

ABSTRACT SUBMISSION PORTAL: <https://gdiw.com.gh/submitpaper>

TIMELINES

- a. **Call for Research Papers:** **Thursday, 29th August 2024**
- b. **Abstract Submission:** **15th September 2024**
- c. **Notice of Selection & Communication (with Feedback on Abstract) to Applicants:** **Friday, 20th September 2024**
- d. **Submission of Research Poster Presentation & Updated Abstract per Feedback (full paper optional):** **Friday, 27th September 2024**
- e. **Feedback on Research Poster:** **Monday, 30th September 2024**
- f. **Printing of Research Posters:** Saturday, 28th September - **Tuesday, 1st October 2024**

REVIEW PROCESS

The manuscript will undergo a peer review for the selection process.

For any inquiries, please contact +233 50 668 2145 or info@gdiw.com.gh