



**FAWE** Forum for African Women Educationalists  
Forum des éducatrices africaines

---

## **International Girls' Science, Technology, Engineering and Mathematics (STEM) Learning Conference (IGSLC)**

**To be held in Kampala, Uganda from 19<sup>th</sup> -20<sup>th</sup> February 2020**

**Theme: *Towards Effective Approaches for girls' engagement and excellence in STEM***

### **Introduction:**

The Forum for African Women Educationalists (FAWE) in partnership with Dubai Cares designed and implemented through FAWE Uganda (FAWEU) a 3-year project aimed at "Promoting Science, Technology, Engineering and Mathematics (STEM) amongst girls in Uganda to help achieve gender equality in education and overall contribute the SDGs and Agenda 2063. The STEM project promoting the uptake of STEM subjects beyond Senior Two, especially for girls comes to an end in December 2019. It is for this reason that FAWE is organizing an international girls' STEM learning conference with the overarching theme; *"Towards Effective Approaches for girls' engagement and excellence in STEM"* to be held in Kampala, Uganda February 2020. The intention is to share lessons from actions taken by FAWE, partner schools, teachers, learners and communities to enable girls to pursue and excel in science subjects. The conference will provide opportunities for partner schools and STEM practitioners to share their experiences in promoting sciences among girls; students to showcase their scientific innovations; and policy makers to dialogue with key stakeholders on the best way forward to expand reach. FAWE will also leverage on the conference to; officially launch her Online Portal/Digital Pedagogy System and a booklet profiling successful female scientists in Africa, and award best Science teachers, student ambassadors and girls' innovations from STEM partner schools in Uganda.

The IGSLC STEM learning conference looks at providing a platform for key stakeholders (governments, educationists, donors, partners etc.) around the continent to share learnings drawn from implementing STEM projects and enhance alignment and synergies for efficiency and effectiveness of STEM education. Knowledge generated at the conference will inform the strategies for expanding reach and achieving gender equality in the pursuit of sciences in secondary schools while attending to quality STEM education. The conference will be guided by SDGs 4 and 5, Aspiration 1 of Africa's Agenda 2063 and its Call to Action.

### **Objectives of the IGSLC**

The objectives of the IGSLC include:

- i. To generate knowledge for effective replication and/or scale up of successful STEM interventions in sub-Saharan Africa's secondary schools;
- ii. To facilitate dialogue between teachers, policy makers, selected successful female scientists, youth and educationalists on effective strategies for promoting girls' participation in science education;
- iii. To showcase the best girls' STEM innovations from the project schools; and
- iv. Celebrate successes in the STEM project in Uganda through awarding best science teachers and innovators from partner schools.

### **The pre-conference preparatory process**

As part of the preparations towards the Conference, FAWE is putting forward a Call for Abstracts for communities of researchers and implementers to submit abstracts of their research or programme/project profiles for review before being invited to produce full papers for presentation. The papers should articulate novel, relevant and viable ideas that contribute towards implementation of effective policies and programme approaches for girls' engagement and excellence in STEM.

The Call has been organised within the domain of the following themes: -

- i. FAWE's contribution to innovative approaches to quality STEM teaching and learning for girls in sub-Saharan Africa; a case of Uganda
- ii. The role of Gender Responsive Pedagogy (GRP) in facilitating a gender responsive environment for the promotion of quality STEM education in sub-Saharan Africa
- iii. School based, female generated innovative science solution that resolve community challenges in Sub Saharan Africa.
- iv. Adaptable digital pedagogy and systems for teaching and learning of STEM in secondary schools in Sub Saharan African
- v. Celebrating Women and Girls in Sciences; attracting and retaining girls in STEM education

### **Submission guidelines:**

The length of the abstracts, concept notes/expression of interest should not be more than two (2) pages or 1,000 words excluding references/bibliography. The recommended font type is Calibri Body and the size should be 12. Margins should be normal i.e. 2.54 cm all round and line spacing 1.15. Language of presentation is English. Abstracts/papers should include name(s), affiliations and contact details of the author(s).

### **Format of presentation**

- **Paper:** 20 minutes presentation & 10 minutes QA
- **Innovations:** STEM-based innovations. Show case and exhibit at the conference

### **Conference Registration**

**Important Dates**

**3<sup>rd</sup> of February 2020**– Deadline for receipt of abstracts

**10<sup>th</sup> of February 2020** – Invitation of successful abstract to develop full papers

**15<sup>th</sup> of February 2020** – Deadline for receipt of full papers

Please send your abstracts to [KOmwansa@fawe.org](mailto:KOmwansa@fawe.org) and copy [TOmondi@fawe.org](mailto:TOmondi@fawe.org) Questions or queries may also be addressed to the email addresses provided.

**DEADLINE FOR SUBMISSION IS TUESDAY 3<sup>rd</sup> FEBRUARY 2020**