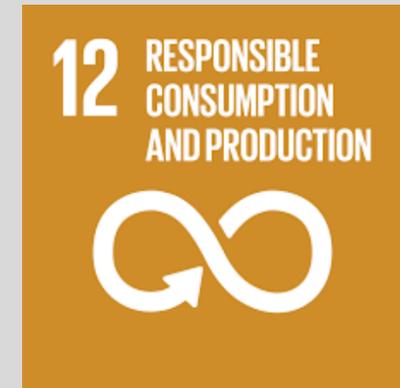


**FIRST CALL
FOR PAPERS**



**« ENGINEERING AND FOOD SECURITY
IN AFRICA »**

Location: Culture city
Avenue Mohamed V in Tunis, Tunisia
24th et 25th june 2019.



WFEO / FMOM

The Tunisian Engineers order TEO organizes, in collaboration with the World Federation of Engineering Organizations WFEO-CEE, an international conference on « Engineering and Food Security in Africa ».

Indeed, the 17 sustainable development goals (SDGs) identified by the UN for the implementation of a sustainable development by 2030 take into account the economic, societal and environmental aspects as well as their interactions. In this context, the Order of Tunisian Engineers invites the actors involved in this process, particularly the SDG number 2 and number 12 respectively "Zero hunger" & "Sustainable consumption and production", to meet in order to highlight the roles of engineers in food safety and to come out with recommendations to follow.

This conference aims to create a platform where the knowledge, innovative ideas, experiences , capacity building and work fields results of engineers, scientists, policy-makers as well as representatives of civil society involved in this field, will be discussed, shared and disseminated in order to implement the "Declaration on Food Security as viewed by Engineers".

Conference main topics

- **1. Agricultural policy and engineering needs to meet the challenges of food and water security:**
- How to make agriculture an engine of growth and development in Africa?
- New engineering fields in Africa to support transformations from subsistence to wealth-generating agriculture while addressing food security challenges
- **2. Role of technology in the preservation of natural resources and agricultural development in a changing climate context:**
- Climate information systems
- Communication networks: road, rail, river and sea
- Identification and assessment of natural resource potential
- Operating systems and natural resources sustainability
- Intensification technologies under rainy and temperate sub-climates preserving the ecosystem
- Production optimization technologies under difficult climatic conditions
- Water networks and their impact on food security: New approaches for adaptive water management under uncertainty
- Innovative solutions to climate change in agriculture
- Problems and prospects for developing renewable energies in rural areas
- Smart agriculture
- Water Security: Assessment and preservation means of current resources, Solutions to control production costs and innovative processes for the creation of new resources.

Conference main topics

- **3. Organization of sectors and development of value chains:**
 - The value chain approach in food systems in Africa
 - Engineer role in the development of value chains
 - Organization, coordination and supervision of actors
 - Development of value chains and its impact on the determinants of food security
 - Harvesting and conservation systems for agricultural production
 - Intervention strategies for reducing post-harvest losses
 - Conservation and promotion of agricultural product
- **4. Human Resources Development, Engineering, Institutional Capacity Building and International Cooperation Development:**
 - Training of agricultural engineer and rural engineering in Africa
 - Role of engineers in creating employment
 - Agricultural Engineer integration into the professional active life
 - International cooperation and partnership perspective (training, engineering, transfer of expertise...)

Important dates

**Abstracts
submission opening**

**JANUARY 10TH,
2019**

**Dead line of
abstract
submission**

**MARCH 15TH,
2019**

**Abstract
acceptance
notification**

**APRIL 15TH
2019**

**Acceptance after
power point
reception and
participation
confirmation**

MAY 15TH 2019

Conference

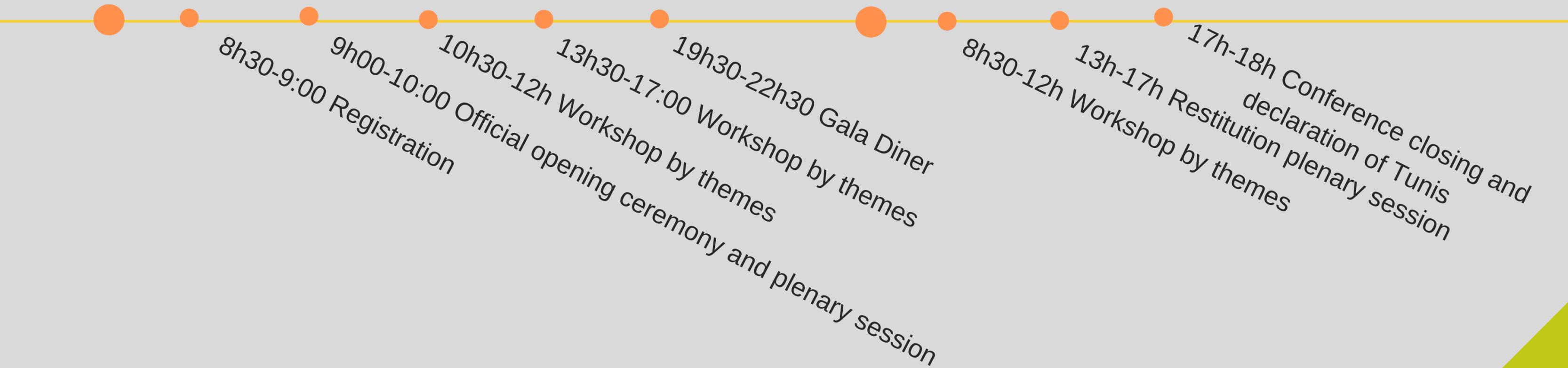
**JUNE 24TH &
25TH 2019**

OPENING FEATURE



JUNE 24TH

JUNE 25TH



VENUE

THE CONFERENCE WILL TAKE PLACE IN THE HOUSE OF CULTURE, AVENUE MOHAMED V, TUNIS, TUNISIA, ON 24 AND 25 JUNE 2019.

A LIST OF HOTELS, AVAILABLE TO PARTICIPANTS, WILL BE GIVEN IN THE SECOND ANNOUNCEMENT.

PRESENTATION OF CONTRIBUTIONS

THE CONFERENCE IS OPEN TO ALL CONTRIBUTIONS AS ORAL PRESENTATIONS OR POSTERS RELATED TO THE THEMES LISTED ABOVE.

CONFERENCE LANGUAGE

THE OFFICIAL LANGUAGES OF THE CONFERENCE WILL BE ENGLISH, ARABIC AND FRENCH WITH SIMULTANEOUS TRANSLATION DURING THE MAIN SESSIONS.

REGISTRATION

TO ATTEND THE CONFERENCE, PARTICIPANTS MUST BE REGISTERED ON THE CONFERENCE WEBSITE ([HTTP://WWW.EFSAFRICA.ORG](http://www.efsafrica.org)) BY MAY 15, 2019.

Abstract template

All participants willing to contribute are invited to submit, by e-mail, a one-page summary to the conference secretariat by 15 March 2019.

Abstracts written in English, Arabic or French must not exceed 500 words and must constitute a precise summary. The title must be typed in capital letters, bold and forehead Times New Roman 14 points should be used. Title is followed by the name of authors and their affiliations. Presenting author should be underlined. Use single spacing and a 12-point Times New Roman front.

Authors must specify whether they wish to make an oral or poster presentation and indicate the session chosen for their work. Only one entry is allowed per abstract.

Authors will be notified of abstract acceptance before April 15, 2019.

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