



UNITED
REPUBLIC
OF
TANZANIA

TANZANIA
COMMISSION
FOR SCIENCE AND
TECHNOLOGY



9th STICE

SEPT
11 - 13
2024

Science, Technology and Innovation Conference & Exhibition



SCANCODE
TO VIEW DIGITAL DOCUMENT



CONFERENCE THEME

**Harnessing Science, Technology, and Innovation
for Climate Resilience and Competitive Economy**

VENUE

Julius Nyerere International
Convention Centre (JNICC)
Dar es Salaam Tanzania.

DATE

11th - 13th
September 2024

Annual National Science, Technology &
Innovation Conference and Exhibitions.

The Annual National Science, Technology and Innovation (STI) Conference and Exhibition (STICE) is a platform of STI community organized by the Tanzania Commission for Science and Technology (COSTECH) in partnership with stakeholders in the STI ecosystem from within and outside Tanzania

COSTECH is a public institution responsible for coordinating, promoting, and facilitating scientific research, technology development as well as knowledge transfer across various sectors within Tanzania. This Commission is guided by a vision to transform Tanzania into a nation that thrives on STI. Moreover, it holds the responsibility of facilitating the widespread dissemination of research and innovation outcomes to the scientific and research community, as well as to consumers of STI products. COSTECH has a longstanding tradition of organizing national STI conferences and exhibitions. In the upcoming financial year 2024/2025, the 9th STICE event is set to be held from September 11th to 13th, 2024, at the prestigious Julius Nyerere International Convention Center (JNICC) in Dar es Salaam

The STICE events are among the strategies that the Commission uses to collect and disseminate STI products and knowledge. The 9th STICE event will bring together scientists, researchers, innovators, technologists, innovation incubators, policymakers, STI financiers, industries, consumers of STI products and services and all other relevant stakeholders in the STI ecosystem to receive and discuss research and innovation results. It further enables the STI community to showcase the results of scientific research, and technological development and deliberate on a theme by demonstrating research and innovation products. Researchers from all fields of science share lessons, experience and knowledge through peer learning by oral paper presentations, and poster presentations and showcase scientific and technological development to stakeholders including practitioners and policymakers. The ultimate goal is to make STI effectively contribute to the socio-economic development of the country.



The Government of Tanzania, as outlined in its Third National Five-Year Development Plan (FYDP III; 2021/22 – 2025/26), places a strong emphasis on "achieving competitiveness and industrialization for human development." This strategic vision underscores the indispensable role of STI in driving economic reform, promoting industrial growth, and enabling active participation in the global trade arena. Within the framework of FYDP III, particular attention is given to addressing the challenges posed by Climate Change, which could impede the realization of set objectives.

Therefore, embracing advancements in STI is of paramount importance in reshaping and expediting the pursuit of key United Nations Sustainable Development Goals, namely Goal 8 (Decent Work and Economic Growth), Goal 9 (Industry, Innovation, and Infrastructure), and Goal 13 (Climate Action). These objectives provide the foundational basis for the main theme of the 9th STICE event: **"Harnessing Science, Technology and Innovation for National Competitiveness and Climate Resilience."** This central theme will be complemented by six additional thematic areas as elaborated below.

Dkt. Amos Nungu
Director General



THEME AND THEMATIC AREA

Thematics

Harnessing Technological and scientific innovation for competitive and inclusive economic growth:



Highlighting the remarkable potential of technology, this section will delve into how technological innovations can serve as catalysts for economic growth and sustainability, especially within the framework of climate change adaptation and mitigation. Conversations will revolve around emerging technologies procreated by the ongoing transformation of the fourth industrial revolution, encompassing the utilization of the Internet of Things (IoT), Digitalization, Blockchain, Cloud Computing, Nanotechnology, Biotechnology, Bioremediation, Bioenergy and how to commercialize shelved technologies and innovations available in Higher Learning Institutions and Research and Development Centres.

Climate Vulnerability Across Diverse Sectors



This section will explore the intricate consequences of climate change on a wide range of sectors within the Tanzanian economy and society. These sectors encompass agriculture, forestry, water resources, health, environment, energy, mining, and infrastructure. Esteemed experts and researchers will share their discoveries and provide valuable insights into both the existing and anticipated consequences of climate change.

Leveraging STI and Indigenous Knowledge to Address Climate Change Challenges:



This section will delve into forward-thinking solutions, early warning systems, cutting-edge technologies and local or traditional knowledge aimed at alleviating and adapting to the impacts of climate change in Tanzania. Presentations and in-depth discussions will highlight the essential role of scientific research, technological advancements, and innovation in bolstering climate resilience. Additionally, the use of space science and satellite technologies for monitoring and predicting climate changes, as well as Tanzania's readiness to address these challenges as a nation, will be subjects of substantial discourse.

Thematics

Resilient System for Food Safety and Security (productive sectors):



Tanzania envisions a significant boost in agricultural, livestock and fisheries production to supply neighbouring regions and other African nations by 2030. In pursuit of this ambitious goal, the Building Better Tomorrow Project, currently operational under the Ministries of Agriculture, Livestock, and Fisheries, was launched. This initiative is set to be enhanced through collaborative endeavours across various sectors, including Transportation, ICT, Health, and more. Participants will engage in discussions about how this initiative can play a pivotal role in fostering sustainable climate adaptation, ensuring food safety and security, and fortifying long-term resilience in least-developed countries.

Financing mechanisms to support STI activities Towards a competitive and sustainable economy:



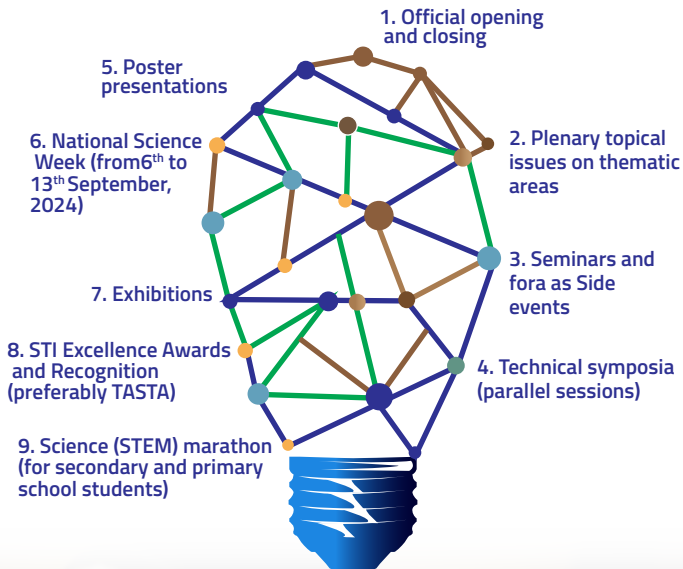
This area highlights the crucial need for collaboration between public institutions, private sectors, and development partners to foster a competitive and sustainable economy. As per the Lagos Agreement plan, established in April 1980 under Programme 7, African nations were encouraged to raise their domestic funding for STI research to 1% of their Gross Domestic Products (GDPs). The suggested funding sources encompassed increasing the national budget allocation for STI research, earmarking a portion of taxes from imported goods, implementing levies on the income of major public and private enterprises involved in production activities, and mandating firms with foreign equity holdings to allocate a set percentage of their overall expenditure to nationally sanctioned STI research endeavours. Discussions will focus on establishing supportive policy frameworks, fostering public-private partnerships, and setting up international cooperation mechanisms to fund STI research.

Fostering STEM Education for resilient, competitive, and sustainable economic growth.



This thematic segment is dedicated to cultivating enthusiasm and proficiency in Science, Technology, Engineering, Mathematics, and Medicine (STEM) education. Papers/articles and discussion will centre around equipping the future workforce with the skills and knowledge necessary to confront climate change challenges through STEM education. Notably, the discussion will spotlight the influence of STEM projects supported by government initiatives, particularly those administered by the Ministry of Education, Science, and Technology, such as Mathematics projects, Emerging Technology projects and Samia Scholarships.[skills, informal and formal education system]

STICE ACTIVITIES



Conference and Exhibition Participants

Participation in the 9th STICE is welcome to individuals and groups from the Science, Technology, and Innovation (STI) communities, both within Tanzania and beyond. This includes scientists, researchers, academics, innovators, representatives from the private sector, public institutions, regulatory bodies, Ministries, development partners, civil society organizations, media members, policymakers, industry professionals, and the general public

Call for Papers, Posters and Participation:

We invite scientists, researchers, innovators, educators, policymakers, and industry leaders to submit abstracts and actively participate in this vital conference. Contributions should align with one or more of the thematic areas mentioned above.

Submission of Paper and Poster Abstracts

Authors interested in presenting papers or posters are required to submit online abstracts, which should not exceed 300 words. Please use Times New Roman font with a font size of 12 and utilize the STICE submission portal stice.costech.or.tz for submission. The abstracts should encompass the following elements: Title, author(s) name(s) and contact information, background, objectives, a summary of research methodology, results, conclusions, and key policy messages. Additionally, we welcome review papers for submission. The deadline for Abstract Submission is April 30th 2024.



GUIDELINES FOR AUTHORS/EXHIBITORS

a. Oral presentations:

Projectors will be provided; however, we recommend that presenters come prepared with their presentations in PDF format and upload them to the designated conference room at least 3 hours before their scheduled presentation time. Each presentation should be concise, lasting no longer than 10 minutes.

b. Submission of Full Papers

The 9th STICE event aims to generate a peer-reviewed conference proceedings publication that will be featured in a reputable STI journal, with each paper receiving a dedicated DOI registration. The organizing committee is diligently working to pinpoint the optimal STI journal for our collaborative publication of this special issue, and we will communicate this partnership by April 2024. Guidelines for the preparation and submission of full papers will be disseminated to authors whose abstracts are accepted for presentation at the 9th STICE event on May 20th 2024. These guidelines will align with the instructions provided by the selected partner journal. Full Paper Submission Deadline will be June 16th 2024.

c. Posters presentation

Posters serve as informal presentations showcasing problem-solving approaches and innovative projects with valuable insights to share. Topics for poster presentations should be conveyed using a combination of text, graphics, photographs, and illustrations. All posters must be presented in English.

We recommend the optimal poster configuration to be A1 in a vertical layout (841mm x 594mm). Authors whose posters are accepted must attend the conference to display and present their work. Posters will be showcased in a designated area at the conference venue. Please bring your printed stand-alone poster, as we are unable to provide printing services.

Display panels for posters will be set up by September 10th 2024, and all posters should be mounted before 8:30 AM on September 11th 2024. If your presentation involves the use of a personal laptop or other electronic devices, kindly notify us in advance.

A final abstract for your poster, along with your profile, will be included in the Conference program and published on the COSTECH website and Conference proceedings.

d. Exhibitions

Entities, whether individuals, organizations, or groups, interested in taking part in the exhibitions are kindly requested to provide a company profile or a summary not exceeding 300 words outlining the aspects they intend to showcase or their proposed exhibition plan. The summary should encompass the following details: title, exhibitor name(s), contact information, background, objectives, functional description, and intended end-use.

Each exhibition booth will measure 3m by 3m with a height of 2.56m and will be equipped with one table, two chairs, and an electricity connection as stipulated more on Table 1. The deadline for Submission of Company/Institution Profiles is July 10th 2024.



STI Excellence Awards



STI EXCELLENCE AWARDS

As part of the 9th STICE event, we are pleased to announce the presentation of prestigious awards celebrating ground-breaking innovations and outstanding research in the field of Science, Technology, and Innovation (STI). These awards will be bestowed upon deserving recipients by our distinguished Guest of Honour.

To be considered for these coveted awards, the criteria and eligibility requirements will be made available on the STICE website stice.costech.ortz starting from March 20th 2024.

Key dates for the STI Awards are as follows:

- * Application window: 20th March to 22nd May 2024
- * Evaluation of Applications by Judges: 24th May to 25th June 2024
- * Notification to successful candidates: 2nd August 2024
- * Awarding Ceremony: September 11th, 2024

National Science Week



National Science Week

In response to stakeholders' suggestions, COSTECH will introduce for the first time in history a National Science Week. In the 9th STICE, the National Science Week will be celebrated in Dar es Salaam from 9th – 13th September 2024, whose apex will be on the last day of STICE which is 13th September, 2024. In this event, stakeholders will showcase, present, discuss and disseminate STI results. During the Week, students from school and college will participate in various science marathon activities to motivate them in STEM subjects. Marathon activities in the National Science Week will involve scientific debates, quizzes and presentations from inspirational science speakers.

Science (Stem) Marathon



SCIENCE (STEM) MARATHON

STICE 2024 will host a science marathon on STEM as side events for primary and secondary schools. This activity will be organized collaboratively by COSTECH and a sponsor or partner. School students from various schools in Tanzania will be obtained competitively in collaboration with relevant stakeholders responsible for school.

REGISTRATION FEES

Registration fees for the 9th STICE event encompass expenses related to conference registration, the conference package, a conference bag, and the conference program. Packages for attending the 9th STICE event are stipulated on Table 1 below.

The conference website stice.costech.or.tz will offer accommodation suggestions, but it's important to note that the organizers will **NOT** be responsible for participants' travel logistics or accommodation arrangements. To register to the 9th STICE event, kindly visit stice.costech.or.tz *Early Bird Registration Deadline is August 12th 2024 and the Late Registration Deadline is September 5th 2023*

9th STICE Event Registration Packages

Participants: Individual Attendees, Papers and Poster Presenter

Early Registration Fees

Category	Tanzania(Tzs)	Forener(USD)
Students (Masters& Below)	100,000/=	100
Individual	200,000/=	200
Online Participation	50,000/=	50

Late Registration Fees

Category	Tanzania(Tzs)	Forener(USD)
Students (Masters& Below)	150,000/=	150
Individual	250,000/=	250
Online Participation	80,000/=	80

Exhibitors - Early registration fee

Public Institutions, HLIs, R&Ds and Regulatory Boards

Category	Tanzania(Tzs)	Forener(USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,000,000 /=	1000
Booth size: 3m X 6m (W) & 2.56m (H)	1,500,000 /=	1500

Private Companies, Individuals, Institutions

Category	Tanzania(Tzs)	Forener(USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,500,000 /=	1500
Booth size: 3m X 6m (W) & 2.56m (H)	2,000,000 /=	2000

Exhibitors - Late registration fee

Public Institutions, HLIs, R&Ds and Regulatory Boards

Category	Tanzania(Tzs)	Forener(USD)
Booth size: 3m X 3m (W) & 2.56m (H)	1,500,000 /=	1500
Booth size: 3m X 6m (W) & 2.56m (H)	2,000,000 /=	2000

Private Companies, Individuals, Institutions

Category	Tanzania(Tzs)	Forener(USD)
Booth size: 3m X 3m (W) & 2.56m (H)	2,000,000 /=	2000
Booth size: 3m X 6m (W) & 2.56m (H)	2,500,000 /=	2500

Key Dates for Paper and Poster Presenters, as well as Participation:

- Deadline for Abstract Submission: April 30th 2024
- Notification of Acceptance: May 15th 2024
- Full Paper Submission Deadline: June 16th 2024
- Notification for Reviewed Full Paper: July 9th 2024
- Early Bird Registration Deadline: August 12th 2024
- Late Registration Deadline: September 5th 2023

Significant Dates for Exhibitor

- Submission of Company/Institution Profiles: July 10th 2024
- Notification of Acceptance for Exhibitions: July 22nd 2024
- Registration and Payment for Participation: August 30th 2024

PARTNERSHIP AND SPONSORSHIP

The organizers of the 9th STICE event extend a warm invitation to potential collaborators and sponsors to unite in our efforts to make this event a resounding success. We welcome organizations and companies from both the private and public sectors to participate in supporting the 9th STICE event. Different categories of Sponsorship and the main benefits are found on Box 3 below.

Tanzanite Sponsor (1 Slot)



CONFERENCE FACILITIES | GALA DINNER

100,000,000/=

- Recognized As Main Sponsor
- Recognized in the Publicity plan
- Special seat at High Table with GoH
- Address the Conference for 10 Min
- Logo on Conference website, bag, Program book, Backdrop banner, report and proceedings
- One page company profile on final report
- Exhibition booth 6m*3m
- Ten free delegate pass for the event
- Six Representatives at GALA dinner
- Company promotion materials in the conference bag.

Diamond Sponsor (2 Slots)



**STI AWARDS | CONFERENCE PREPARATION
PROCEEDING AND JOURNAL PUBLISHING**

75,000,000/=

- Recognized in the Publicity plan
- Address the Conference for 5 Min
- Logo on Conference website, bag, Program book, Backdrop banner and proceedings
- Exhibition booth 6m*3m
- Eight free delegate pass for the event
- Four Representatives at GALA dinner
- Company promotion materials in the conference bag

Platinum Sponsor (3 Slots)



**STUDENTS SPONSORSHIP | GENDER INCLUSIVITY
COVERAGE FOR POLICY AND DECISION MAKERS
MODERATORS, RAPPORTEURS AND
KEYNOTE SPEAKERS**

50,000,000

- Address the Conference for 2 Min
- Logo on Conference website, bag, Program book and Backdrop banner
- Exhibition booth 6m*3m
- Five free delegate pass for the event
- Two Representatives at GALA dinner
- Company promotion materials in the conference bag.

Gold Sponsor (4 Slots)



**REFRESHMENTS
BRANDING AND PUBLICITY**

25,000,000/=

- Logo on Conference website, Program book and Backdrop banner
- Exhibition booth 3m*3m
- Three free delegate pass for the event
- One Representatives at GALA dinner
- Company promotion materials in the conference bag.

PARTNERSHIP AND SPONSORSHIP

Bronze Sponsor (5 Slots)



DÉCOR AND ENTERTAINMENT

10,000,000/=

- a. Logo on a Conference website, Program book
- b. Exhibition booth 3m*3m
- c. Two free delegate pass for the event
- d. One Representatives at GALA dinner
- e. Company promotion materials in the conference bag.

Ruby Sponsor (6 Slots)



STATIONARIES | SECURITY SERVICES FIRST AID SERVICES

5,000,000

- a. Logo on a Conference website, Program book
- b. Area for a Poster display
- c. One free delegate pass for the event
- d. One Representatives at GALA dinner
- e. Company promotion materials in the conference bag.

36%



73%



58%



IMPORTANT MILESTONES FOR THE 9th STICE EVENT

Table 4: 9th STICE Event Milestones

S/NO	Activity	Time Line
1.	Preparation of Concept Note for the 9th STICE event	3 rd November 2023
2.	Submission of 9th STICE event Concept Note to DKM	6 th November 2023
3.	Management approval for the 9th STICE event Concept Note	13 th November 2023
4.	1 st Internal Preparatory Committee Meeting for the 9th STICE event	21 th November 2023
5.	Sharing a revised Concept note with COSTECH Staff for improvement	13 th December 2023
6.	2 nd Internal Preparatory Committee Meeting for the 9th STICE event (Establish Judges and Criteria for STI Awards)	14 th December 2023
7.	Presentation of the 9th STICE concept note at Morning Glory sessions	18 th December 2023
8.	3 rd Internal Preparatory Committee Meeting for the 9th STICE event	18 th January 2024
9.	The Launch of the 9th STICE event & Open Call for Abstract Submission	26 th February 2024
10.	Launch of Media campaigns for the 9th STICE event	1 st March 2024
11.	Open registration for the 9th STICE event Conference Participants, Exhibitors, Presenters and STI Awards contestants	15 th march 2024
12.	1 st National Preparatory Committee for the 9th STICE event	12 th April 2024
13.	Deadline for Submission of Abstracts	30 th April 2023
14.	Feedback to applicants on Reviewed Abstracts	15 th May 2024
15.	Full Scientific Paper Submission Opened	20 st May 2024
16.	STI Awards contestants application deadline	22 th May 2024
17.	2 nd National Preparatory Committee for the 9 th STICE event	24 th May 2024
18.	Full Scientific Paper Submission Deadline	16 th June 2024
19.	Sorting and Assigning Abstracts to Reviewers Deadline	19 th June 2024
20.	STI Awards contestants End of Evaluation by Judges	25 th June 2024
21.	Review of Scientific Paper Ends	5 th July 2024
22.	Feedback to applicants on Reviewed Scientific Papers	9 th July 2024
23.	Open Submissions of Accepted Scientific Papers to the Contracted STI Journal	12 th July 2024
24.	Exhibitors: Submission of Company/Institution Profiles Deadline	10 th July 2024
25.	3 rd National Preparatory Committee for the 9th STICE event	12 th July 2024
26.	Exhibitors: Notification of Acceptance for Exhibitions	22 th July 2024
27.	Deadline for Submissions of Accepted Scientific Papers to the Contracted STI Journal	26 th July 2024
28.	Book of Abstracts prepared	30 th July 2024
29.	9 th STICE Event Timetable Prepared	30 th July 2024
30.	STI Awards contestants Notification to successful candidates	2 nd August 2024

IMPORTANT MILESTONES FOR THE 9th STICE EVENT

Table 4: 9th STICE Event Milestones

S/NO	Activity	Time Line
31.	4 th National Preparatory Committee for the 9 th STICE event	12 th August 2024
32.	Early bid registration deadline for Participants and Presenters	12 th August 2024
33.	Exhibitors: Early bid registration and Payment for Participation	30 th August 2024
34.	5 th National Preparatory Committee for the 9 th STICE event	30 th August 2024
35.	Late Registration Deadline for Participants, Presenters and Exhibitors	5 th September 2024
36.	Other conference logistics	7 th September 2024
37.	6 th National Preparatory Committee for the 9 th STICE event at JNICC	10 th Sept 2024
38.	National Science Week Exhibition and STEM Marathon	9 th –13 th Sept 2024
39.	STI Awarding Ceremony at 9 th STICE event Gala Dinner	11 th Sept 2024
40.	CONFERENCE DATES	11 th –13 th Sept 2024

Partners



Join us at the 9th STICE 2024 event to explore innovative solutions, build collaborations, and shape a sustainable future that leverages the power of science, technology, and innovation in tackling climate change.

For inquiries and submissions, please contact:

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Phone: +255 22 2771358

Emails: dg@costech.or.tz, stice2023@costech.or.tz