

Integration of SUST Engineering Societies

For a Healthy Planet

March 4, 2021

<https://web.facebook.com/WEDSudanSUST>

Sudan University of Science and Technology (SUST) in partnership with Global Engineering Deans Council (GEDC), International Federation of Engineering Education Societies (IFEES) and the University of Emerging Technologies (UET), will celebrate the World Engineering Day online on March 4, 2020 (10:00 AM – 9:00 PM) Khartoum Time (GMT+2).

The Objectives:

- To provide an opportunity for SUST engineering students to develop better understanding of sustainable development goals and how they relate to their discipline.
- To introduce SUST engineering students to their scientific societies so they can be more engaged in the professional activities.
- To disseminate the culture of sustainability in the university learning environment and integrate it in the activities of scientific engineering societies.
- To disseminate the culture of partnership and collaborations.

The Program:

The program is consisting of Scientific Seminars, Success Stories, Projects, Interviews, and Competitions.

There are 16 Scientific seminars in different topics related to SDGs, Technology, Industry 4.0, and healthy planet listed in the below table:

10:00 AM to 4:00 PM (GMT +2)

Through: YouTube +Facebook

Seminar	Speaker	About Speaker	About the Seminar
Modern Technology and the Environment	Prof. Sharief Fadul Babkier	Professor, UofK and Chairman IEEE Sudan Section. received the M.Sc degree in telecommunications and information systems from Essex University	The lecture deals with the development of technologies in the past decades and their impact on the environment, and deals with the measures required to reduce the negative impacts on the environment.

		and PHD degree from the university of Glasgow .	
How to manage an online team	Ahmed Elsir KhalfAlla	Founder of code Sudan, a startup with a vision to make Sudan an technological hub Code Sudan provides programing programs, Managing remote team.	<ul style="list-style-type: none"> - How to manage an online team - The challenges of managing an online team. - Tools to manage an online team.
Memristor & Memristive crossbar systems	Yassin Ahmes Hassan Mahadi Khashmelmoos	Final students at SUST – Electronic Engineering Department	memristor & memristive crossbar systems
Improving Access to Healthcare Services through Technology.	MOHAMMED ABDULLAH	MSc. Autonomous Robotics Intelligent Systems from University of Strathclyde - BSc. Electrical & Electronic Engineering from Omdurman Islamic University - Intelligent Systems Consultant at Scottish Power, UK.	ENGINEERING A BETTER WORLD Achieving the United Nations Sustainable Development Goals
Clean Energy for Healthy Planet	Babiker Yousof Babiker Ahmed	Solar energy engineer Program Manager @cleanEnergy4Africa Sudan Ambassador @Global Youth Energy Outlook-Student Energy.	POINTS: <ul style="list-style-type: none"> - Energy & environment: Environmental challenges, Human health, Air pollution, industrialization. - Renewable energy technologies: Energy Efficiency use, Cleaner transport. - Benefits of transforming to green energy. - the role of youth in energy transition.
Waste recycling and reducing the quantities dumped in landfills	Rawan Osama	BAS, SUST. Third level Electronics Engineering	Recycling of solid wastes and Waste recycling and reducing the quantities dumped in landfills.
Biotechnology for Sustainable Air Pollution Control	Sumiya Ibrahim Mohammed Tahir	BAS, SUST, Finalist chemical engineering	A Project discussion about Biotechnology for sustainable air pollution control
	Ashraf Abdulsalam Hussein Ali	BAS, SUST, Finalist chemical engineering	
Flood absorption	Mohamed Bakhit	Semifinal student, SUST	The seminar talks about floods in general and its health and social aspects, and also talks about the

	Maab Mohamed	Semifinal student, SUST	methods used internationally to prevent floods and our proposed method in this regard.
	ALI MOHAMMED ALI	final student, SUST	
Waste recycling	MOHAMMED MUSA AHMED	Semifinal students	It talks about a global arrangement of places to clarify waste and how to utilize or dispose of it.
	Weam Hashim		
	Aya Mohamed		
	Ahmed Badr		

4:00 PM – 9:00 PM (GMT +2)

Through: Zoom

Webinar	Speaker	About speaker	About the seminar	Status
Impact of climate change on the planet (case of global)	NYONG CLEMENT BANTAR	<ul style="list-style-type: none"> . QHSE lead trainer and consultant . WSO Professional member . Director World Safety Organization, Cameroon office. 	<ul style="list-style-type: none"> . Climate change overview (definition and causes) . Impact of climate change on the planet (case of global warming) How to reverse global warming at different levels of the society.	Language English Time 4-5 PM.
PROTON Solar Racing Car.	Mohamed Ibrahim Salih	Project manager (MEI) R&D manager and mechanical Designer of AquaGas for sustainable energy solution company	A solar car is a solar vehicle used for land transport. Solar cars usually run-on only power from the sun, although some models will supplement that power using a battery, or use solar panels to recharge batteries or run auxiliary systems for a car that mainly uses battery power	
IOT & Sustainable development	kamalaldein Nusraldein	BAC degree SUST, Electrical engineering CEO Telenoog President: Arab Innovation Network SUST MEI: PR Manager & HR Manager.	IOT (Internet of Things and how it can be used to archive Sustainable development.	
Disruptive digitization – Industry 4.0	PRASAD MAVUDURI	. Master in Engineering, India.	Preparing students for the next Industrial Revolution with Engineering Technologies.	TIME ZOOM & Webinar language (ENGLISH)

	CEO, University of Emerging Technologies and Chairman, The Emerging Tech Foundation.	. Masters in Business Administration, Northwestern University, USA. 32 Years' experience, higher education, software service, telecommunication, hi-tech, oil& gas, steel, mines, power generation & distribution, healthcare, and finance.		6:30 to 7:30 PM
Health care digitalization	Mohamed Satti	Regional Technical Support Specialist at Nihon Kohden Middle East FZE, UAE. BAC degree, BME, SUST	Health technology and medical inputs have grown to the limits of manual management according to traditional systems, and the possibility of providing health care to the growing population of the population depends on the ability of the health system to adopt digital solutions. Whether in developed or developing countries. The seminar will address the importance of digital systems and technologies currently available and the challenges facing the field	
Recycling Electronics	MOHAMMED ELTAYEB BASHIR ELTAYEB	Initiative business New E-learner (NL) Canada. Smart Home Co. Sudan.	<ul style="list-style-type: none"> - What electronics are recyclable? - Is electronic recycling profitable? - How can I make money from recycling? 	
Your own cloud (the ways of converting Air to water)	Mohamed Elmahdy & Ibrahim Alamin	Mechanical Engineer Engineering department engineers in golden arrow	<ul style="list-style-type: none"> - How AI based thermal imaging improved operational efficiencies? - What is the accuracy level of infrared fever detectors & thermal cameras to detect fever and conduct contact tracing for COVID-19. 	