

# BAHIR DAR UNIVERSITY

## SEMINAR

BAHIR DAR INSTITUTE OF TECHNOLOGY

FACULTY OF CIVIL & WATER RESOURCES ENGINEERING

### TOPIC: CLIMATE CHANGE IMPACTS AND APPROPRIATE MANAGEMENT TECHNIQUES FOR ETHIOPIA

**DATE:** Friday, November 22, 2019

**TIME:** 2:00 – 4:00 pm (Gregorian Time)

**VENUE:** BIT Seminar Room

**SPEAKER:** Prof. Hilary I. Inyang

US. Ambassador's Distinguished Scholar to Ethiopia

Bahir Dar Institute of Technology,

Bahir Dar University, Bahir Dar, Ethiopia

#### ABSTRACT



Global warming which derives from the cumulative release of huge quantities of greenhouse gases into the atmosphere since the industrial revolution of the 1850s, has activated the deriving factors of some hazards, resulting in increase in their frequency and severity. This has translated to exposure of more people and systems of floods, land-slides, wild-fires, drought, dust storms, thermal extremes and ice storms. For Ethiopia, some studies indicate the potential increase in temperature in to the range of 1.7-1.2 degrees centigrade by 2050 in the absence of climate change mitigation measure. This would case food insecurity; degrade land resources; spread diseases; and aggregative ethnic conflicts, among other impacts. This prospect raises the need for effective planning and implementation of Ethiopia's Climate-resilient Green Economy (CRGE) program as a critical component of Ethiopia's Growth and Transformation plan (GTP) in this lecture, the general approach to management of these impact are discussed.

#### INTRODUCTION TO THE SPEAKER

*Prof. Hilary I. Inyang is a world-renowned researcher, expeditionist and educator in the areas of geoenvironmental science and engineering, geohazards, energy systems and international development. He is a member of the Education Caucus of the United Nations Commission on Sustainable Development and served for two terms (1997-2001) as Chair of the Science Advisory Board (Environmental Engineering Committee) of United States Environmental Protection Agency (USEPA) in Washington DC, USA. He served as the Duke Energy Distinguished Professor of Environmental Engineering and Science, Professor Earth Science and Director of the Global Institute of Energy and Environmental Systems (GIEES) of the University of North Carolina, Charlotte, USA (2001–2012); and DuPont Professor/CEEST Director (1996-2000) at the University of Massachusetts, Lowell, USA. He is a former President of the African University of Science and Technology, Abuja and former Vice Chancellor of the Botswana International University of Science and Technology. He chaired the Steering Committee of the Africa Science Plans under the auspices of the International Council for Science, UNESCO and the United Nations Economic Commission for Africa. He has won more than 20 professional prizes and is a former AAAS/USEPA Environmental Science and Engineering Fellow, US National Research Council Young Investigator and Eisenhower/Randolph Fellow. He has authored about 270 publications and served on 29 journal editorial boards. He won the 2013 Nigerian National Order of Merit (NMOM) in science and technology and is a Fellow of both the African Academy of Science and the Geological Society of London. He is also a Proost Poet.*

