Prof. Oreku's Biographical Profile

Prof. George S. Oreku is a Full Professor of Cyber Security and Forensics at TheOpen University of Tanzania. He obtained his undergraduate degree in Computer Science (1999) and MSc in Computer Programming (2001) from Odessa National Polytechnic Institute, Ukraine. Oreku received his Ph.D. in Computer Software and Theory from the Harbin Institute of Technology, China in (2008). After brief stints as a Director of ICT and Technology Transfer at Tanzania Industrial Research Development Organization (TIRDO) he did his postdoctoral fellow in Economic Sciences and Information Technology at the North West University- Vaal, Johannesburg, SA (2013), Served as a Director for Institute of Education and Management Technologies (IEMT) 2019. He was appointed Deputy Vice Chancellor -Planning Finance and Administration (PFA) at the Open University of Tanzania in (2020) and He is promoted to Full Professor in (2023).

Oreku's research interests include Information Security, Sensor Networks Security, related security issues in cybercrime and Forensics, cyber warfare and its integrations to R&D, critical Infrastructure, Cyber security, application to mobile computing and Mobile Banking, High performance e-commerce security, and development of culturally sensitive educational models, Curriculum Developer (EDUCATION), (South Africa, Ireland, Uganda, China, Finland and Tanzania).

Oreku has made over 100 scholarly contributions, including nearly 70 peer-reviewed research papers over well acknowledged databases and indexing in well-known publishers locally and internationally, authored and co-authored more than 10 books in security, Wireless Sensor Networks Security, E-commerce Security and ICT. These books includes, An upcoming new Book by IGI Global, "Impact of Disruptive Technologies on the Socio-Economic Development of Emerging Countries, to be published in June 2023, https://www.igi-global.com/book/impact-disruptive-technologies-socio-economic/304442 Modern Technologies role in Pursuit of Socio-Economic Development for Education, Axioms Academic Publisher (https://axiom-academic-publishers.business.site/) (2022), and Reflection of Tax Administration Enhancement Through Digital Technology to Micro Businesses, (Monograph) Generis Publishing (https://www.generis-publishing.com/) (2021). Artificial Intelligence to Solve Pervasive Internet of Things Issues, Published, Science Direct, Elsevier 2021 , Editor of New Trends in Information and Communications Technology Applications, International Conference, NTICT, Baghdad, Iraq Published by Springer since 2018 /23,https://www.researchgate.net/publication/357760501_New_Trends_in_Information_and_Communications_Technology_Applications_5th_International_Conference_NTICT_2021_Baghdad_Iraq_November_1718_2021_Proceedings_5th_International_Conference_NTICT_2021_Baghda, Proceedings, Mobile Technologies and Socio-Economic Development in Emerging Nations, IGI Global publisher 2018, https://www.igi-global.com/book/mobile-technologies-so-cio-economic-development/182360, Author of the Book Information Fusion for Cyber Security Analytics - Springer 2017, Security in Wireless Sensor Networks - Springer 2016, Digital Democracy Concept methodologies Tools and Applications- IGI- publishing 2012, End-User Computing Development and Software Engineering, New Challenges, IGI - publishing 2012, E-Government in Emerging Economies, Adoption, E participation and Legal Frameworks - IGI - publishing 2012, Enhancing E- Commerce Security, Methods and Approaches to Defense - Lambert Academic Publishing 2011, The Impact of Higher Interests rate to the Growth of SMEs the case study Tanzanian Banks- Lambert Academic Publishing 2010.

He has delivered more than 80 invited keynote speeches around the world locally and at International Conferences. He has undertaken several contracted scientific research projects, and consultancy services in the computer science Industry, ICT issues and STI policy matters since 2010 to date. Oreku has been on many STI review/evaluation panels and advisory boards for both National and International Institutions and Organizations. He has been an External Examiner/Referee for numerous universities, i.e., examinations moderator and academic staff referee/evaluator (e.g., candidates for Professorship positions) since 2009 to date. He has been engaged at national capacity in training since 2015 to date at the Tanzania Police Force (TPF) where by more than 100 Investigators were trained on Cyber Security and Forensics Investigations skills at the level of RCOs. He has been a presenter in the Annual ICT Professionals Conferences in Tanzania under ICT Commission on Cyber Security for National Security in three consecutively years 2018/2020.

Oreku has supervised a significant number of PhD and Masters Students from different Universities in and outside the Country. Currently Oreku is an affiliated Professor with University of Eastern Finland, www2.uef.fi/edtech/affiliated-members, Research professor with North West University Vaal Campus South Africa, He also serves as a member group of data Vision Company in Tanzania, one of the ICT service provider companies. He also serves as Senior Associate Fellow for African Institute of Policy Kenya (API), https://china-africa.africapi.org/team/prof-george-s-oreku/ , an African think tank that is providing policy-relevant research and analysis for Africa's solutions in Security. He has been a Chairman in many Curriculums Validation team for The National Council for Technical Education (NACTE) Tanzania. He is also a board member of Information and Communication Technologies Commission (ICTC).

Over the past decade, Oreku has co-organized over a number of expert group meetings and International Computer Security Sciences and Forensics, STI and science Policy Conferences. He is a professional member of International bodies including, Association for Computing Machinery (ACM), IEEE, IEEE Technical Committee and Information Systems Security Association (ISSA), SANORD, ERB (2116) and WASET.