

STUDENT PROFESSIONAL AWARENESS CONFERENCE 2018 (SPAC18)

1. Introduction

The IEEE Kyambogo University Student Branch (SB) Student Professional Awareness Conference (SPAC18) is aimed at enhancing the technical and non-technical knowledge for the students in Electrical and Electronic Engineering and other fields in Science and Engineering. There will be distinguished speakers to talk about trending technologies in the fields of Science, Engineering and other fields. The theme for this year's conference is **"Science, Engineering and Technology today"**

The conference is scheduled to take place on Thursday 30th August 2018 at Kyambogo University.

2. The Conference Programme

The following is the programme:

SN	Topic	Facilitator	Time
1	Key note opening Remarks	Prof. Eli Katunguka- Vice Chancellor-Kyambogo University	0830-850Hrs
2	Nanotechnology: Current research, opportunities & applications.	Prof. Richard (Yong Qing) Fu	0900-940Hrs
3	Optical Wireless Communication: Current research	Professor Zabih. Ghassemlooy	940-1030Hrs
4	Topic to be suggested by NITA	NITA Uganda	1030-1050Hrs
5	Topic to be suggested by MTN	MTN Uganda	1050-1115Hrs
COFFEE BREAK			
6	Engineering Ethics and Professionalism	Dr. Micheal Kyakula	1120-1140Hrs
7	The role of Engineers to Sustainable Development: Ref to SDGs	Dr Al-Mas Sendegeya	1140-1220 Hrs
8	Leadership competences in the modern society	Mr. Kenneth Barungi (Kakira Sugar Works)	1220-1300 Hrs
LUNCH BREAK			
9	Photonics-Applications and opportunities	IEEE Photonics Society	1400-1440Hrs
10	Cyber Security- Threats and how to deal with them	Mr. John Matogo (IBM)	1440-1530 Hrs
11	Student Exhibitions	Students (DEEE)	1530-1600 Hrs
12	Closing Remarks	Head DEEE	1600-1620Hrs

3. Key Note Speakers



Prof. Eli Katunguka Rwakishaya
Vice Chancellor- Kyambogo
University

Prof. Eli Katunguka Rwakishaya is a professor of Veterinary and is the current Vice Chancellor of Kyambogo University. He studied at Makerere University for his Bachelor's degree, University College Dublin for Master's degree and later at Glasgow University for his doctorate.

He has been involved in Veterinary education in Uganda since 1990 and he played a key role in introducing fisheries sciences into the veterinary curriculum

He served as a member of the Aquatic Animal Health Standards Commission for six years (2004- 2009) and is currently assisting the commission in its role as an independent expert. He has represented the OIE in many Africa regional conferences and contributed to development of Aquaculture bio-security framework for Africa. Prior to joining Kyambogo University, he was the director of Research and Graduate Training at Makerere University.



Prof. Richard (Yong Qing) Fu

Richard (YongQing) Fu is a professor in the Faculty of Engineering and Environment, University of Northumbria at Newcastle, UK. He was a Reader in Thin Film Centre in University of West of Scotland, Glasgow, UK, and a lecturer in Heriot-Watt University, Edinburgh, UK.

He obtained his PhD degree from Nanyang Technological University, Singapore, and then worked as a Research Fellow in Singapore-Massachusetts Institute of Technology Alliance, and a Research Associate in University of Cambridge.



Professor Zabih. Ghassemlooy

Professor Ghassemlooy received his BSc (Hons) degree in Electrical and Electronics Engineering from the Manchester Metropolitan University in 1981, and his MSc and PhD in Optical Communications from the University of Manchester Institute of Science and Technology (UMIST), in 1984 and 1987, respectively with Scholarships from the Engineering and Physical Science Research Council, UK. From 1986-87 worked in UMIST and from 1987 to 1988 was a Post-doctoral Research Fellow at the City University, London.

He is the Editor-in-Chief of the International Journal of Optics and Applications, The Mediterranean Journal Electronics and Communications and currently serves on the Editorial Committees of number international journals. He is the founder and the Chairman of the IEEE, IET International Symposium on Communication Systems, Network and Digital Signal Processing.

	<p>Dr Micheal Kyakula is the dean-Faculty of Engineering at Kyambogo University.</p> <p>He holds a BSc Engineering (Makerere University) MEng. SC (University of New South Wales) and a PhD (Newcastle University).</p>
	<p>Mr. John Matogo is the University Relations Leader for IBM in East Africa. John joined IBM in Sept. 2014 bringing with him vast experience from the academic fraternity in East Africa.</p> <p>His role involves leading IBM academic programmes with universities in eleven countries in the East African Region.</p>
	<p>Dr. Al-Mas Sendegeya has a Bachelor's Degree in Electrical Engineering, a Master of Science in Renewable Energy, Licentiate Degree in Rural Electrification, a PhD in Rural Power Systems, a Certificate in Small Hydropower Engineering Development, and a Certificate in Solar Energy Engineering, has attended and given presentations in a number of Workshops on Sustainable and/or Renewable Energy.</p> <p>His research publications are mainly in capacity building in sustainable energy.</p>
	<p>Dr. Excellence Favor is a professional in Electrical, Electronics, ICT and Telecommunications Engineering. She served as a member (director) of Board of directors National Information Technology Authority-Uganda, head of telecommunication engineering section Kyambogo University and is a Lecturer at Kyambogo University. She holds a phd in Telecommunications Engineering from University of Dar es Salaam.</p> <p>She has a good number of publications in the field of telecommunication engineering. She is the current vice-chair IEEE Uganda sub section.</p>
	<p>Mr. Roland Niwareeba is the current Head of Department of Electrical and Electronic Engineering-Kyambogo University. He is a graduate of Telecommunications Engineering of Kyambogo University and he also has a MSc in Microelectronic and Communications Engineering of Northumbria University, UK.</p> <p>His research interests are mainly in digital and image processing, biomedical electronics and control systems. Roland is a member of Institute of Electrical and Electronic Engineers (IEEE) and he has interest in academic and has passion for teaching , research and student mentorship.</p>

4. The Budget

We invite government and private organizations to sponsor SPAC18. At SPAC18, your organization/company will be acknowledged as a supporter of this IEEE event whose motto is "advancing technology for humanity". You can sponsor any of the following items and promote your organization/company during the event.

SN	Item	Qty	Unit Cost	Total Cost	Remarks
1	Conference Hall	1			Kyambogo
2	Public Address System	1	600,000	600,000	
	Stationery				
3	Notebooks	1,000	1,500	1,500,000	To be branded
4	Pens	1,000	1,500	1,500,000	To be branded
5	Banners	5	200,000	1,000,000	
6	Accreditation tags	800	1,000	800,000	
	Meals and Refreshments				
7	Water (Boxes)	60	20,000	1,200,000	
8	Soda (Cartons)	30	12,000	360,000	
9	Lunch	800	10,000	8,000,000	
	Allowances				
10	Presenters (International)	3	500,000	1,500,000	
11	Presenters (East African)	10	200,000	2,000,000	
12	Students (Exhibitors)	20	50,000	1,000,000	
13	Student ushers	10	10,000	100,000	
	TOTAL			19,560,000	



Kyambogo University
Student Branch

Advancing Technology for Humanity

5. Organizing Committee

The organizing committee is composed of the following:

SN	NAME	ROLE	CONTACT
1	Mr. Roland Niwareeba	IEEE SB Counselor	+256700691534 rniwareeba@kyu.ac.ug
2	Dr. Excellence Favor	KYU SIGHT Group Chair	+256772619116 excellencefavor@gmail.com
3	Mr. Derrick Byarugaba	IEEE SB Chair	bakaderrick@yahoo.co.uk +256705249219
4	Mr. Mbabazi Allan	IEEE SB Vice Chair	mbabaziallan11@gmail.com +256758482269
5	Mr. Ahimbisibwe Dan	IEEE SB Webmaster	heartdan66@gmail.com +256775885423
6	Mr. Alfred Ayikoyo	IEEE SB Secretary	ayikoyoal@ieee.org +256778704941
7	Mr. Atuhair Banura Edwin	IEEE SB Vice Secretary	edwinatuhair355@gmail.com +256757872020
8	Ms. Multadha Sserunyiigo	IEEE SB Treasurer	adammulta@ieee.org +256701994329

6. Partners

The department of Electrical and Electronic Engineering at Kyambogo University has established linkages with government, industry and academia. The following are some of our partners.

