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DATE OF BIRTH: 1989/10/14

PLACE OF BIRTH: Kumasi, Ghana

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LANGUAGE PROFICIENCY:

- English- Excellent
- Chinese (Oral)- Good

EDUCATION:

- PhD. Information and Communication Engineering - University of Electronics Science and Technology of China, Chengdu- China. September 2014 - July 2018.
- MSc. Information and Communication Engineering - University of Electronics Science and Technology of China, Chengdu- China. September 2012- July 2014.
- BSc. Telecommunication Engineering - Kwame Nkrumah University of Science and Technology, Kumasi- Ghana. August 2007- June 2011 (First Class Honours).

RESEARCH INTERESTS:

- Planar Circularly Polarized Antennas
- Broadband Antennas
- Electromagnetic Field Theory

- Telecommunication Systems

JOURNAL PUBLICATIONS:

- [1] **K. Oteng Gyasi**, W. Guangjun, Y. Huang, A. E. Ampoma and W. Hu, "Broadband circularly polarized cross shaped slot antenna with improved feedline," *Progress in Electromagnetics Research C (PIER C)*, Vol. 74, pp. 141–149, 2017.
- [2] **K. Oteng Gyasi**, Li J, Huang Y, Guangjun W., "Broadband circularly polarized square slot antenna with a G-shaped feedline", *Microwave and Optical Technology Letters* 2017; Vol. 59:3055–3063. <https://doi.org/10.1002/mop.30869>. **IMPACT FACTOR: 0.585**
- [3] **K. Oteng Gyasi et al.**, "A Compact Broadband Cross-Shaped Circularly Polarized Planar Monopole Antenna With a Ground Plane Extension," *IEEE Antennas and Wireless Propagation Letters*, vol. 17, no. 2, pp. 335-338, Feb. 2018. **IMPACT FACTOR: 2.533**
- [4] **K. Oteng Gyasi et al.**, "A Compact Broadband Circularly Polarized Slot Antenna with Two Linked Rectangular Slots and an Inverted-F Feed Line," *IEEE Transactions on Antennas and Propagation*, vol. 66, no. 12, pp. 7374-7377, December 2018. DOI: 10.1109/TAP.2018.2867020, online ISSN:1558-2221. **IMPACT FACTOR: 2.957**
- [5] **K. Oteng Gyasi et al.**, "Tri-band Planar Monopole Antenna with Two Circularly Polarized Bandwidths for WiMAX Applications," *IET Microwave, Antennas and Propagation*, vol. 12, issue 15, pp. 2350-2355 DOI: 10.1049/iet-map.2018.5323, online ISSN: 1751-8733, December 2018. **IMPACT FACTOR: 1.739**
- [6] A. E. Ampoma, H. Zhang, Y. Huang, G. Wen and **K. Oteng Gyasi**, "Three-Dimensional Spatial Fading Correlation of Uniform Rectangular Array Using Total Power of Angular Distribution," *IEEE Antennas and Wireless Propagation Letters*, vol. 16, pp. 2134-2137, 2017. **IMPACT FACTOR: 2.533**
- [7] A. E. Ampoma, G. Wen, Y. Huang, **K. Oteng Gyasi**, P. I. Tebe and K. Ntiamoah-Sarpong, "Spatial Correlation Models of Large-Scale Antenna Topologies using Maximum Power of Offset Distribution and its Application," *IEEE Access*. doi: 10.1109/ACCESS.2018.2846260. **IMPACT FACTOR: 3.557**
- [8] P. I. Tebe, G. J. Wen, Li. J, Y. J. Huang, A. E. Ampoma, **K. Oteng Gyasi**, "Massive MIMO with Transceiver Hardware Impairments: Performance Analysis and Phase Noise Error Minimization," *KSII Transactions on Internet and Information Systems*, **ACCEPTED**, 2018.

CONFERENCE PUBLICATIONS:

- [1] **K. Oteng Gyasi**, M. S. Ellis and K. J. John, "A wideband single fed circularly polarized slot antenna for multi-band applications," *2013 2nd International Symposium on Instrumentation and Measurement, Sensor Network and Automation (IMSNA)*, Toronto, ON, 2013, pp. 620-623.
- [2] **K. Oteng Gyasi**, W. Guangjun, X. X. Lin and M. A. Basit, "Bandwidth enhancement of a microstrip-line-fed printed rotated wide slot antenna with tuning stubs," *2016 IEEE MTT-S International Wireless Symposium (IWS)*, Shanghai, pp. 1-4, 2016.
- [3] **K. Oteng Gyasi**, Y. Huang, G. Wen, J. Li and A. E. Ampoma, "Broadband circularly polarized square slot antenna with a G-shaped feedline," *2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting*, San Diego, CA, 2017, pp. 117-118.
- [4] **K. Oteng Gyasi**, Y. Huang, G. Wen, A. E. Ampoma and W. Hu, "Tri-band planar monopole antenna with dual band circular polarization," *2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting*, San Diego, CA, 2017, pp. 2533-2534.
- [5] M. A. Basit, G. Wen, **K. Oteng Gyasi** and N. Rasool, "A compact wideband CPW-fed hybrid slot antenna," *Proceedings of 2014 3rd Asia-Pacific Conference on Antennas and Propagation*, Harbin, 2014, pp. 57-60.
- [6] M. Ramadan, F. Li, C. X. Xu, **K. Oteng** and H. Ibrahim, "Authentication and key agreement scheme for CDMA cellular system," *2015 IEEE International Conference on Communication Software and Networks (ICCSN)*, Chengdu, 2015, pp. 118-124.
- [7] A. E. Ampoma, H. Zhang, Y. Huang, G. Wen and **K. Oteng Gyasi**, "On massive MIMO antenna topologies using total power in the azimuth and zenith domains," *2017 IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting*, San Diego, CA, 2017, pp. 369-370.
- [8] A. E. Ampoma, G. Wen, H. Zhang, Y. Huang, **K. Oteng Gyasi** and P. I. Tebe, "3D correlation function of a uniform circular array using maximum power in the direction of arrival," *2017 Progress in Electromagnetics Research Symposium - Fall (PIERS - FALL)*, Singapore, 2017, pp. 2996-3003.

DISSERTATIONS:

- **Kwame Oteng Gyasi**, "Research on Key Techniques of Planar Wideband Circularly Polarized Antennas" Ph.D. Dissertation, University of Electronics Science and Technology of China, Chengdu, (2018).

- **Kwame Oteng Gyasi**, "Design of a wideband single fed circularly polarized slot antenna" M.Sc. Dissertation, University of Electronics Science and Technology of China, Chengdu, (2014).
- **Kwame Oteng Gyasi**, Sarpong Michael, "Investigating the options available for rolling out 3G on the Vodafone Ghana network." B.Sc. Dissertation, Kwame Nkrumah University of Science and Technology, Kumasi (2011).

WORK EXPERIENCE:

- Lecturer - Kwame Nkrumah University of Science and Technology, Kumasi - Ghana. August 2020 - to date
- Lecturer - School of Technology, Ghana Institute of Management and Public Administration (GIMPA), Accra - Ghana. September 2019 – August 2020.
- Part Time Lecturer - MTech Electrical/Electronic Engineering, College of Technology, University of Education, Winneba-Kumasi Campus, Kumasi-Ghana. August 2019 – July 2020
- Lecturer- Computer Science/Information Technology Department, Christian Service University College, Kumasi - Ghana. September 2018 - September 2019.
- Adjunct Lecturer - School of Technology, Ghana Institute of Management and Public Administration (GIMPA), Accra - Ghana. September 2018 - December 2018.
- Research and Teaching Assistant - Kwame Nkrumah University of Science and Technology, Kumasi - Ghana. August 2011- July 2012.

OTHER ACTIVITIES:

- Active Reviewer for IEEE Antennas and Wireless Propagation Letters.
- Editorial Board Member in American Journal of Electromagnetics and Applications (AJEA).
- Editorial Board Member in Science Research Association (SCIREA) Journal of Electrics and Communication.
- External Reviewer for Icelandic Research Fund application - October 2019

AWARDS:

- Chinese Government Scholarship (CSC) for International Students 2012-2014
- Chinese Government Outstanding International Student Scholarship 2017.
- 2nd Prize Academic Achievement Award in the Field of Academics and Research-School of Information and Communication Engineering 2016/2017 Academic Year.

REFEREES:

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