

Anwer Sayed Abdelhameed Ahmed, Member IEEE



PERSONAL and PROFESSIONAL INFORMATION:

Personal Information:

Nationality: Egyptian Date and Place of Birth: Aguste, 25, 1986

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Professional Information:

Address: Electronics Research Institute, Joseph Tito St, Huckstep, El Nozha, Cairo, Egypt.

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EDUCATION:

- **Post-Doctoral Research Fellow** at Center for Northeast Asian Studies, Tohoku University, Sendai, Japan, (Jan.2019- March 2021).

Research Topic: “**Nondestructive Archeological Survey Based on Electromagnetic Waves**”

- **Special Research Student** at Kyushu University, Fukuoka, Japan, (June 2017-Feb.2018).
- **Doctoral Degree** at Egypt-Japan University of Science and Technology (E-JUST) – Department of Electronics and Communications, (Feb. 2015-May 2018).

Dissertation topic: “**Design and Implementation of Millimeter-Wave Circuits**”

- **Master’s Degree** at Cairo University, Faculty of Engineering, Electrical Department, (May 2011 – April 2014).

Dissertation topic: “**Novel Shapes of UWB Antennas**”

- **Bachelor’s Degree** at Al-Azhar University, Faculty of Engineering, Electrical Department (September 2004 - June 2009).

Graduation Project: “**Error Control Coding Using VHD**”

Employment History:

Electronics Research Institute, Egypt	SAR lab	Lab. Head	Aug. 2022-Now
Electronics Research Institute, Egypt	Microstrip Circuits	Associate Professor	May 2024-Now
Electronics Research Institute, Egypt	Microstrip Circuits	Researcher	Sep. 2018- May 2024
Tohoku University, Sendai, Japan	Center for Northeast Asian Studies	Assistant Professor	April 2021-March 2022
Tohoku University, Sendai, Japan	Center for Northeast Asian Studies	Post Doc. Research Fellow	Jan. 2019-Mar. 2021
Electronics Research Institute, Egypt	Microstrip Circuits	Researcher Assistant	May. 2014 –Sep. 2018
Consultix Company, Egypt	RF/Microwave	R&D Engineer	Jan. 2016- Dec. 2017
Electronics Research Institute, Egypt	Microstrip Circuits	Researcher Assistant	Mar. 2010 – May 2014
VIS factory for electronic devices, Egypt	Electronic Circuits	Engineer	Jul. 2009 – Mar. 2010

Research Projects

- Feb.2023- March 2024: Team member in a project funded by ERI titled “**Hybrid device for laboratory water distillation using thermoelectric generators (TEG) and solar energy**”.
- Dec.2021-Dec. 2023: Team member in a project funded by ERI titled "**Monitoring Vital Signs Sensor for Healthcare Applications and Lung Water Content**".
- Dec.2021-Dec.2023: Team member in a project funded by ERI titled "**Design and Fabrication of a Scalar Network Analyzer**".
- July.2021-Mar.2023: Tohoku University Co-PI for a project funded by JSPS/STDF titled “**Preservation of World Heritage by Advanced Technologies**”.
- Apr.2021-Mar.2022: Tohoku University PI for a project funded by the Center for Northeast

Asian Studies titled **“Electromagnetic Survey for Great Giza Pyramids (Cultural Heritage) by GPR”**.

- Apr.2020-Mar.2021: Tohoku University PI for a project funded by the Center for Northeast Asian Studies titled **“Cultural Heritage Preservation Using Radar Technology in Egypt”**.
- Jan.2019-Mar.2021: Team member in Tohoku University for project titled **“Nondestructive Archeological Survey Based on Electromagnetic Waves”**.
- Jan.2019-Now: Team member in Tohoku University for project titled **“Electromagnetic survey for the Great Giza Pyramid”**.
- Jan.2019-Now: Team member in Tohoku University for project titled **“Developing of 17GHz MIMO radar type GB-SAR for landslide monitoring”**.
- Feb. 2011- Feb. 2014: Team member in a project funded by National Telecommunications Regulatory Authority (NTRA) entitled: **“Novel Planar Antennas for the Most Recent Telecommunications Applications”**.
- 2012-2014: Team member in a project funded by the Science and Technology Development Fund (STDF) –IRD French -Egypt-cooperation project ID: 3072 entitled **“Ultra-wideband Ground Penetrating Radar for Water Detection in Egypt”**
- 2013: March.2013, involved in a new time-domain laboratory setup. Besides, conducting preliminary measurements to characterize the performance of UWB antennas.

Teaching Experience

- 1- Assistant Professor at **Tohoku University**, Sendai Japan, April 2021-March 2022, (full-time).
 - 2- Lecturer at **Nahda University**, Beni Suief, Egypt, Sep.22-Now (Part-time).
 - 3- Lecturer at **Egyptian Academy for Engineering & Advanced Technology**, Cairo, Egypt, Sep.2018-Dec.2018 (Part-time).
 - 4- Lecturer at **Higher Institute of Science and Technology**, Kafr El-Sheikh, Egypt, Sep.2018-Dec.2018, (Part-time).
 - 5- Lecturer at **Higher Technological Institute - 10th of Ramadan HTI**, Egypt, Sep.2018-Dec.2018, (Part-time).
 - 6- Assistant Lecturer at **Egypt-Japan University of Science and Technology** (Spring-2018).
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Courses Taught

- Grad.4: **IC Design**, Electrical Communication and Computer department, Nahda University
- Grad.4: **VLSI**, Electrical Communication and Computer department, Nahda University
- Grad.3: **Digital Circuit Design**, Electrical Communication and Computer department, Nahda University
- Grad.2: **Industrial Electronics**, Electrical Communication and Computer department, Nahda University
- Grad.2 : **Electric Circuit II**, Electrical Communication and Computer department, Nahda University
- Grad.1 : **Electric Circuit I**, Electrical Communication and Computer department, Nahda University
- M1, M2, D1, D2 and D3: Assist in teaching **Microwave Measurements**, **Antenna Design**, **Remote Sensing**, for international students at Tohoku University, Japan.
- Grad. 2: **Seminar course**, at Tohoku University, Japan.
- ENG 200 [Grad. 4]: **Fundamentals of Electrical Circuits**, at The Higher Technological Institute (HTI), Department of Technological Management and Information, Egypt.
- ECO 331 [Grad. 3]: **VLSI**, at Egyptian Academy for Engineering & Advanced Technology, Affiliated to the Ministry of Military Production, Egypt.
- ECE 4224 [Grad. 4]: **Microwave Circuits**, Higher Institute of Engineering and Technology, Kafrelsheikh, Department of Electronics and Communication, Egypt.
- ECE 2102 [Grad. 2]: **Electrical Circuits II**, Higher Institute of Engineering and Technology, Kafrelsheikh, Department of Electronics and Communication, Egypt.

Current Research Interests

- Microwave Imaging using GPR, GB-SAR.
- MIMO Radar development.
- Microwave biomedical applications.
- Wireless power transfer.
- Energy power harvesting.
- RF Planar passive components design.
- Integrated Passives (antennas, filters, Frequency Multipliers, Mixers, and power dividers).
- Package to chip Interconnects.

- Metamaterials.
- Thin-film fabrication and measurements of hybrid integrated components and antennas.

Participated in advising and supervision of the following graduation projects:

Nahda University (2023)

- Developed a microwave breast cancer detection system.
- Developed a system on chip.

Tohoku University, Japan (2019-2022)

- Developed a GB-SAR system for landslide monitoring (initial prototype).
- Developed a signal processing software for the GB-SAR system.
- Developed an antenna array for remote sensing purposes.
- Developed a full polarimetric radar for landmine detection, (initial prototype).

Kyushu University, Japan (2017-2018)

- Developed a Phase Shifter on Chip using integrated WPD/C and Branch Line Coupler.

Higher Institute of Engineering and Technology at Kafer El-Shiekh, Egypt (2015-2017)

- Breast Cancer Early Detection Using Microwaves (Phase#1).
- Breast Cancer Early Detection Using Microwaves (Phase#2).
- Breast Cancer Treatment Using Microwaves.
- Land Mine Detection Using Microwaves.

Theba Institute of Engineering, Egypt (2014)

- Planar Butler Matrix Array 4x4.

Al-Azhar University, Egypt (2014)

- Design and Implementation of Novel UWB Antennas.
- Prototype of Cube Satellite.

Ph.D. Thesis Students Supervision

1. Alaa Mohammed Mostafa Abada, "Design of Passive Elements Toward 6G for mmWave IoT Applications," Ph.D. Thesis, Faculty of Engineering, Ain Shams University, Egypt, September 2021 to date.
2. Hala Ahmed Sayed, "Non Invasive Blood Glucose Sensing Using Highly Sensitive Electromagnetic Resonators," Egypt-Japan University of Science and Technology, Feb. 2022 to date.

3. Azza Hamdi ELnaggar, “Wearable Antenna Array for Biomedical Applications,” Mansuran University, Nov. 2022 to date.
4. Basant Hesham, “Design and Implementation of GB_SAR for Land Slide Monitoring”, Ph.D. Thesis, Faculty of Engineering, Ain Shams University, Egypt, September 2021 to date.

M. Sc. Thesis Students Supervision

5. Mahmoud Abdelaziz Abdelmohsen, “Design of Tunable Microstrip Filters”, M.Sc. Thesis, Faculty of Engineering, Benha University, Egypt, Graduated December 2021.
6. Hayam Mohey Abdelreheem “Design and Implementation of Millimeterwave Circuits for 5G Applications”, M.Sc. Thesis, Faculty of Engineering, South Valley University, Egypt, January 2019 to date.

Training

- 2023: The expression of Uncertainty and confidence in Measurement, National Institute of Standards (NIS),Egypt.
- 2023: Understanding The General Requirements for The Competence of testing and Calibration Laboratories ISO/IEC 17025: 2017, National Institute of Standards (NIS),Egypt.
- 2023: Internal Audit in Accordance With The Requirements of The International Standard ISO/IEC 17025:2017, National Institute of Standards (NIS),Egypt.
- 2023: Specific Absorption Rate Measurements, Universal Company, Egypt.
- 2022: Preparing Investment Opportunities, Investment Authority, Egypt
- 2020: GB-SAR systems design and operation, Tohoku University, Japan.
- 2019: GPR Survey using commercial devices, Tohoku University, Japan
- 2018: Millimeter wave measurements, Kyushu University, Japan.
- 2010: Training in KLITE factory on the most recent technologies of PCB fabrication, China.
- 2007: Training in telecom Egypt Company, Egypt.
- 2006: Training in (Iron & Steel) factory, Egypt.
- 2005: Training in NEC Company, Egypt.

Skills

Technical Skills

- **Programing**
 - MATLAB, Python
- **Simulations**
 - Electromagnetic: ANSYS HFSS, CST Microwave Studio, IE3D Zeland.
 - Circuit: Keysight ADS.
 - GPR: Radan7, GPR Slice.
- **Layout**
 - Cadence Virtuoso, Microwind
- **Measurements**

- Vector Network Analyzer (S-Parameters Measurements, Calibrations).
- Signal Source Analyzer and Spectrum Analyzer.
- Probe Station Measurements.
- On-wafer Calibrations.
- Antenna gain measurements.
- Time-domain measurements.

Language Skills

- Arabic: Native
- English: TOEFL (IBT): 81

Soft Skills

- Good Research Abilities in new topics.
- Ability to work in groups.
- Work under pressure.
- Manage a small group.
- Self-Motivated.
- Excellent communication skills.

Grants and Awards

- Received the Excellence Award from Electronics Research Institute, (2020-2021), May 2022.
- Ph.D. Scholarship at E-JUST, granted by Mission Department, Egyptian Ministry of Higher Education between (2015-2018).
- One Academic year scholarship at E-JUST Center, Kyushu University, granted by Mission Department, Egyptian Ministry of Higher Education between (2017-2018).

Conference/Workshops Attended and Organized

1. Delivered a keynote speech entitle “Exploring the ost Recent Development in Research Trends at the Electronics Research Institute” on a workshop, at the National Research Institute of Astronomy and Geoscience, Jan. 2024, Egypt.
2. Delivered a keynote speech entitle “Advancement in Multi-Input Multi-Output Ground Base Synthetic Aperture Radar (MIMO GB-SAR)” On 2023 IEEE Malaysia AP/MTT/EMC Joint Chapter Wbinar Series 2/2023workshop, at the National Research Institute of Astronomy and Geoscience, Nov. 2024, Malaysia.
3. ECC JAC Conference, hosted by Egypt-Japan University of Science and Technology (EJSUT), Egypt. 2023.
4. Radio Science Conference, held in Smart Village, Egypt, hosted by AASTMT Academy , May 2023, Egypt.
5. Organized a workshop titled "Culture Heritage Preservation Using the Most Recent Technologies"

as part of a joint research project between Egypt and Japan funded by JSPS and STDF, 2022, held at NRIAG and E-JUST, 2022.

6. Delivered a keynote speech on 'Next Generation Wireless Networks in Smart Cities' workshop, at the ECC-AJC, 2022, Egypt.
7. Radio Science Conference, held in the Institute of Electronics Research, December 2022, Egypt.
8. IEEE IMAS (IEEE Microwave and Antenna Symposium), hosted by German University in Egypt (GUC), 2023.
9. ECC JAC Conference, hosted by Egypt-Japan University of Science and Technology (EJSUT), 2022.
10. IEICE Space, Aeronautical and Navigational ElectronicsTokyu, 2022 (Online)
11. IEICE, Antenna and propagation, Sendai, 2019.
12. IEEE Radio and Wireless Symposium (RWS2018), California, USA.
13. IEEE 10th European Conf. on Antennas and Propagation (EUCAP), Switzerland, Davos, 2015.
14. IEEE 27th International Conf. on Microelectronics (ICM), Casablanca, Morocco, 2015.

Membership and Other Activities

- 1- MDPI, Micromachines, Special Issue " Advances in Passive Filters: Design, Implementation, and Applications", ISSN 2072-666X, (GuestEditor).
 - 2- MDPI, Electronics, Special Issue "Microwave Subsystems and Wireless Propagation", ISSN 2079-9292, (GuestEditor).
 - 3-IEEE society (Member).
 - 4- IEEE antenna and propagation society (Member).
 - 5- IEEE Microwave theory and techniques society (Member).
 - 6- IEICE Committee (Member).
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List of publications

Journal/Transaction/letter papers

1. Radwa Maged, **Anwer S. Abd El-Hameed**, M. Mourad Mabrook, and Tarek M. Said. "Enhanced performance of microstrip antenna fabricated on a composite dielectric substrate coupled with multiple dielectric superstrates." *Optical and Quantum Electronics* 56, no. 5 (2024): 830.
2. Mohy, Hayam, **Anwer S. Abd El-Hameed**, Hany Ahmed Atallah, and Adel Bedair. "Dual Polarized Antenna with Wide Beamwidth Utilizing TM01 Mode for X-Band Applications." *SVU-International Journal of Engineering Sciences and Applications* 5, no. 2 (2024): 86-92.
3. Elboushi, Ayman, **Anwer S. Abd El-Hameed**, Sulaiman Alsuwailam, and Eman Gamal Ouf. "Analysis and Design of a Directive Antenna Array for C-Band Communication Applications."
4. **Anwer S. Abd El-Hameed**, Dalia M. Elsheakh, Gomaa M. Elashry, and Esmat A. Abdallah. "A Comparative Study of Narrow/Ultra-Wideband Microwave Sensors for

- the Continuous Monitoring of Vital Signs and Lung Water Level." *Sensors* 24, no. 5 (2024): 1658.
5. El-Nady, Shaza, Asmaa Afifi, **Anwer S. Abd El-Hameed** "Sugar and Salt Concentration Detection in Water Employing ENZ Metamaterial Microwave Sensor." *Wireless Personal Communications* (2024): 1-20.
 6. Ouf, Eman G., **Anwer S. Abd El-Hameed**, and Esmat AF Abdallah. "Compact lowpass filter with vast out-of-band rejection utilizing DGS." *AEU-International Journal of Electronics and Communications* (2024): 155207.
 7. Marzouk, Hala M., **Anwer S. Abd El Hameed**, Ahmed Allam, Ramesh K. Pokharel, and Adel B. Abdel Rahman, "A new rectangular dielectric resonator sensor for glucose measurement: Design, modeling, and experimental validation." *International Journal of Circuit Theory and Applications* (2024).
 8. Marwa M Hussein, Samia A Saafan, HF Abosheisha, **Anwer S. Abd El-Hameed**, Di Zhou, MM Salem, Moustafa A Darwish "Design, Characterization, Fabrication, and Performance Evaluation of Ferroelectric Dielectric Resonator Antenna for High-Speed Wireless Communication Applications," *Journal of Alloys and Compounds*, (2023)172170.
 9. Shaza M. El-Nady, **Anwer S. Abd El-Hameed**, Eman M. Eldesouki, and Shimaa AM Soliman, "Circularly Polarized MIMO Filtering Dielectric Resonator Antenna for 5G Sub-6GHz Applications," *International Journal of Electronics and Communication*,, 154882, Sep.2023.
 10. MM Salem, El-Refaie Kenawy, Hesham MH Zakaly, Antoaneta Ene, Mohamed M Azaam, Tarek B Edries, Di Zhou, Marwa M Hussein, **Anwer S. Abd El-Hameed**, Islam M Nabil, and Moustafa A Darwish, "Electrospun PVDF/Barium hexaferrite fiber composites for enhanced electromagnetic shielding in the X-band range." *Results in Physics* (2023): 106975.
 11. Salem, M. M., K. A. Darwish, O. M. Hemeda, M. I. Abdel Ati, **Anwer S. Abd El-Hameed**, Di Zhou, and Moustafa A. Darwish. "Exploring the promising frontiers of barium hexaferrite and barium titanate composites for electromagnetic shielding applications." *Applied Physics A* 129, no. 9 (2023): 1-11.
 12. **Anwer S. Abd El-Hameed**, Eman G. Ouf, A. Elboshy, Asmaa G. Seliem, and Yuta Izumi, "An improved performance radar sensor for K-Band automotive radars," *Sensors*, vol. 23, no.16, p.7070, August 2023.
 13. Shimaa AM Soliman, Eman M. Eldesouki, Shaza M. El-Nady, and **Anwer S. Abd El-Hameed**, "Broadband low RCS based on polarization-dependent artificial magnetic conductor metasurface," *IEEE Access* (June 2023).
 14. K.A.Darwish, O.M. Hemeda, M.I.Abdel Ati, and **Anwer S. Abd El-Hameed**, "Synthesis, characterization, and electromagnetic properties of polypyrrole–barium hexaferrite composites for EMI shielding applications," *Appl. Phys. A* 129, 460 (2023).
 15. Gehan S.Shehata, **Anwer S. Abd El-Hameed**, Shereen M. Ebrahim, Mohamed .A.Mohana, Abbas M. Abbas, "Bow-Tie Antenna with Improved Performance for Advanced GPR Applications," *International Journal of Microwave and Optical Technology (IJMOT)*, vol. 18, No 3, pp. 266-274, May 2023.
 16. S. El-Nady, R. R. Elsharkawy, A. I. Afifi, and **Anwer S. Abd El-Hameed**, "Performance Improvement of Substrate Integrated Cavity Fed Dipole Array Antenna Using ENZ Metamaterial for 5G Applications," *Sensors*, vol. 22, no.1, p.125, 2022.

17. R. R. Elsharkawy, **Anwer S. Abd El-Hameed**, and S. El-Nady, "Quad-port MIMO Filtenna with High Isolation Employing BPF with High out of Band Rejection," *IEEE Access*, early access, Dec. 2021.
18. M. Abdelaziz, **Anwer S. Abd El-Hameed**, A. S. Mohra, A.A. Awamry, "**Dual-Band Broadside-Coupled Based BPF with Improved Performance**," *International Journal of Electronics and Communication*, vol. 138, pp. 153895, August 2021.
19. Eman G. Ouf, **Anwer. S. Abd El-Hameed**, "Design of Low Pass Filter with Ultra-Wide Stopband Based on DGS and SIRs," *International Journal of Electronics and Communication*, vol.137, pp.153795, May.2021.
20. **Anwer. S. Abd El-Hameed**, M.G.Wahab, N. A. Elshafey, M. S. Elpeltagy, "Quad-Port UWB MIMO antenna based on LPF with vast rejection band," *International Journal of Electronics and Communication*, vol.134, 153712, May.2021.
21. **Anwer S. Abd El-Hameed**, Motoyuki SATO, "Antenna Array for Ku-Band MIMO GB-SAR," *IEEE Access*, vol.9, pp.29565-29572, Feb. 2021.
22. M. A. Darwish, Asmaa I. Afifi, **Anwer S. Abd El-Hameed**, H. F. Abosheisha, A. M. A. Henaish, D. Salogub, A. T. Morchenko, V. G. Kostishyn, V. A. Turchenko, A. V. Trukhanov, "Can hexaferrite composites be used as a new artificial material for antenna applications?" *Ceramic International*, vol.47, no.2, pp. 2615-2623, Jan. 2021.
23. Asmaa I. Afifi, Adel B. Abdel-Rahman, **Anwer S. Abd El-Hameed**, Ahmed Allam, Sabah M. Ahmed," Small Frequency Ratio Multi-Band Dielectric Resonator Antenna Utilizing Vertical Metallic Strip Pairs Feeding Structure," *IEEE Access*, vol.8, pp. 112840 – 112845, 2020.
24. **Anwer S. Abd El-Hameed**, M.G.Wahab, A. Elboshy, M. S. Elpeltagy, "Miniaturized Triple Band-Notched quasi-self-complementary fractal antenna with improved characteristics for UWB Applications," *International Journal of Electronics and Communication*, Vol.108, pp.163-171, Aug. 2019.
25. R Sharaf, AB Abdel-Rahman, **Anwer S. Abd El-Hameed**, Adel Barakat, S. Hekal, Ahmed Allam, "A new compact dual-band wireless power transfer system using interlaced resonators," *IEEE Microw. Wireless Compon. Lett.*, vol.29, no.7, pp.498-500, July 2019.
26. **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel "Design of low loss coplanar transmission lines using distributed loading for millimeter-wave power divider/combiner applications in 0.18 μm CMOS," *IEEE Trans. on Microw. Theory and Techn.*, vol.66, no.12, pp.5221-5229 October.2018.
27. A.Abd elrazik, **Anwer S. Abd El-Hameed**, Adel B. Abdel-Rahman, "A novel three-port MIMO dielectric resonator antenna using decoupled modes," *IEEE Antennas and Wireless Propag. Let. (AWPL)*, vol.16, pp.3104-3107, Oct., 2017.
28. **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel," Ultra Compact 60 GHz CMOS BPF employing broadside coupled open loop resonators," *IEEE Microw. Wireless Compon. Lett.*, vol.27, no.9, pp.818-820, Aug. 2017.
29. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish, "Quasi self-complementary UWB notched microstrip antenna for USB application," *Progress In Electromagnetics Research B*, vol.56, pp. 185-201, April 2013.

Chapters and books

1. **Anwer S. Abd El-Hameed**, and Asmaa I. Afifi, "Advancement in Antenna by Nanomaterials," in Book title-Synthesis and Applications of Nanoparticles. submitted to Springer, ch.14., Feb. 2022

Technical Reports

1. A. S. Abd El-Hameed, Motoyuki SATO, "Development of a new low frequency GPR system for scanning huge structures," ICIEC SANE, pp. 149-154, Tokyo, Japan, Nov. 2021.
2. **A. S. Abd El-Hameed**, Yuya AKIYAMA , Motoyuki SATO, "MIMO Antenna Array for GB-SAR," *ICIEC, Antennas and propagation*, Sendai , Japan, July 2019.
3. N. I. Medhat, **Anwer S. Abd El-Hameed**, Motoyuki SATO, "Application of Cross - Bowtie Antenna to Detection of Buried Pipes by GPR," *ICIEC, Aeronautical and Navigational Electronics*, Sendai, Japan, July 2019.

International Conf. Papers

1. Hala M. Marzouk, **Anwer S. Abd El-Hameed**, Ahmed Allam, Ramesh K. Pokharel, and Adel B. Abdel-Rahman. "Substrate Integrated Waveguide Sensor for Noninvasive Glucose Measurement." In 2023 11th International Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC), pp. 46-49. IEEE, 2023.
2. Izumi, Yuta, Ryuma Saito, **Anwer S. Abd El-Hameed**, Jun Fujiwara, and Motoyuki Sato, "Evaluation of Atmospheric Phase Screen in 79 GHz MIMO Radar Interferometry." In IGARSS 2023-2023 IEEE International Geoscience and Remote Sensing Symposium, pp. 4621-4624. IEEE, 2023.
3. H. M. Marzouk, **Anwer S. Abd El-Hameed**, A. Allam, and A. B. Abdel-Rahman, "Design of Non-Invasive Glucose Measurement Sensor," in 2022 10th International Japan-Africa Conference on Electronics, Communications, and Computations (JAC-ECC), pp. 212-215, IEEE, 2022.
4. **Anwer S. Abd El-Hameed** and M. Sato, "Evaluation of 79 GHz Mimo Radar under Sandy Conditions in Egypt," in IGARSS 2022-2022 IEEE International Geoscience and Remote Sensing Symposium, pp. 7483-7486, IEEE, July 2022.
5. Asmaa I. Afifi, **Anwer S. Abd El-Hameed**, Sabah M. Ahmed, Ahmed Allam, and Adel B. Abdel-Rahman, "Asymmetric EBG Decoupling Structure for Coupling Reduction Applications" accepted on 15th Eur. Conf. Antennas Propag. (EuCAP), Düsseldorf, Germany, Mar. 2021.
6. M. Abdelaziz, **Anwer S. Abd El-Hameed**, A. S. Mohra, A.A. Awamry," Compact triple-band microstrip BPF utilizing interdigital-coupled lines feeding structure," PIERS Proceedings, Roma, 2019.
7. **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel "Broadband printed-dipole antenna for future 5G applications and wireless communication," IEEE Radio and Wireless Symposium (RWS2018).
8. M.G.Wahab, **Anwer S. Abd El-Hameed**, W.Swelam, M. H. Abd ElAzeem," Novel miniaturized UWB antenna based on EBG structure " Progress In Electromagnetics Research Symposium (PIERS Proceedings), May 2017.
9. R Sharaf, S Hekal, **Anwer S. Abd El-Hameed**, AB Abdel-Rahman, Ahmed Allam, and Ramesh K," A new compact wireless power transfer system using C-shaped

- printed resonators,” IEEE International Conf. on Electronics Circuits and Systems (ICECS), 2016.
10. Asmaa. I. Afifi , and A. B. Abdel-Rahman, A. Allam and **A.S. Abd El-Hameed**, “A compact ultra-wideband monopole antenna for breast cancer detection” IEEE 59th International Midwest Symposium on Circuits and Systems, 2016.
 11. M.G.Wahab, **Anwer S. Abd El-Hameed**, W.Swelam, M. H. Abd ElAzeem, “Miniaturized fractal quasi-self-complimentary antenna for UWB applications,” APS-URSI, 2016, Pages 1021-1022.
 12. Nessim Mahmoud, Adel Barakat, **Anwer S. Abd El-Hameed**, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel, “Study of SiO₂ thickness effect on insertion loss of CMOS 60 GHz band pass filter,” International Conf. on Electronics, Circuits, and Systems (ICCS), Cairo, Egypt, presented on September 2015.
 13. Nessim Mahmoud, **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel, “Performance enhancement of 0.18 μ m CMOS on chip bandpass filters using H-shaped parasitic,” IEEE 27th International Conf. on Microelectronics (ICM), Casablanca, Morocco, 2015.
 14. **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel “A 60-GHz On-Chip Tapered Slot Vivaldi Antenna with Improved Radiation Characteristics,” IEEE 10th European Conf. on Antennas and Propagation (EUCAP), 2015.
 15. **Anwer S. Abd El-Hameed**, Adel Barakat, Adel B. Abdel-Rahman, Ahmed Allam, and Ramesh K. Pokharel “A60-GHz double-Y balun-fed on-chip Vivaldi antenna with improved gain,” IEEE 27th International Conf. on Microelectronics (ICM), Casablanca, Morocco, 2015.
 16. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish, “Crossbar Fractal Quasi Self-Complementary UWB Antenna ,” IEEE, International Symposium on Antennas and Propagation, July 2014.
 17. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish, “Quasi-Self Complimentary Miniaturized UWB Antenna,” PIET, Dec. 2013.
 18. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish, “Notched Quasi Self-Complementary UWB Microstrip Antenna,” IEEE, International Symposium on Antennas and Propagation, July 2013.
 19. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish, “Fractal Quasi-Self Complimentary Miniaturized UWB Antenna,” IEEE, International Symposium on Antennas and Propagation, July 2013.
 20. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, and E. A. Hashish “Ultra-Wide Band CPW-Fed Circularly Polarized Square Slot Antenna,” IEEE, International Symposium on Antennas and Propagation, July 2013.
 21. **Anwer S. Abd El-Hameed**, D. A. Salem, E. A. Abdallah, Haythem H. Abdullah and E. A. Hashish, “Design of Dual Frequency Notched Semicircular Slot Antenna with Semicircular Tuning Stub” PIERS Proceedings, pp.598-602, August 2012.
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