

مختصر السيرة العلمية لأستاذ الدكتور خليل حسن سيد مرعي

الاسم: خليل حسن سيد مرعي

الرصيد العلمي في المستوعبات العالمية:

### Statistics in the Web:

**Scopus:** H Index=12, Publications=100, Citations=629.

**Google Scholar:** h-Index=16, i<sub>10</sub>-index=28, Citations=1037.

**Publons:** 401 Reviews, Award of Top 1% Reviewers Sept. 2018.

**IEEE-Xplore:** 49 Listed Papers

### مكان العمل:

حالياً: أستاذ هندسة الاتصالات في قسم هندسة الاتصالات / كلية هندسة الإلكترونيات/ جامعة نينوى  
سابقاً: أستاذ هندسة الاتصالات في قسم الهندسة الكهربائية / كلية الهندسة / جامعة الموصل.

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### المؤهلات العلمية:

- ١-بكالوريوس في الهندسة الكهربائية/ تخصص الكترولنيك واتصالات/ بدرجة امتياز/ جامعة الموصل ١٩٧٦.
- ٢-دكتوراه في الهندسة الكهربائية/الاشعاع والانتشار/ جامعة شفيلد/المملكة المتحدة/ ١٩٨١.

### المناصب الأكاديمية:

- ١-وكيل رئيس قسم الهندسة الكهربائية/ كلية الهندسة/جامعة الموصل/٢٨-١٠-١٩٨٦ الى ٣٠-١٠-١٩٨٧.
- ٢- رئيس قسم الهندسة الكهربائية/ كلية الهندسة/جامعة الموصل/ ٢-١١-١٩٨٧ الى ١-١١-١٩٩٥.
- ٣-مدير المكتب الاستشاري الهندسي/كلية الهندسة/جامعة الموصل/ ١-١-١٩٩٧ الى ٣٠-٣-٢٠٠٢.
- ٤- عميد كلية هندسة الإلكترونيات / جامعة نينوى/ ٨-٧-٢٠٠٢ الى ٢٥-٥-٢٠٠٣.
- ٥-أستاذ هندسة الاتصالات/كلية هندسة الإلكترونيات/جامعة الموصل/١٩-٣-١٩٩٢ الى ت١/١-٢٠٠٦.
- ٦- أستاذ هندسة الاتصالات/كلية الهندسة/جامعة عمان الاهلية / ت١/١-٢٠٠٦ الى ت١/١-٢٠٠٩.
- ٧- عميد كلية الهندسة/جامعة عمان الاهلية / ت١/١-٢٠٠٨ الى ت١/١-٢٠٠٩.
- ٨- أستاذ هندسة الاتصالات/كلية هندسة الإلكترونيات/جامعة الموصل ثم جامعة نينوى /ت١/١-٢٠٠٩ ولحد الآن.
- ٩- عضو مجلس كلية هندسة الإلكترونيات / جامعة الموصل من ت٢/٢-٢٠٠٩ الى ت٢/٢-٢٠١٢, ثم من ت١/١-٢٠١٧ ولغاية الآن.
- ١٠- عضو مجلس جامعة نينوى من أيلول ٢٠١٦ ولغاية الآن.
- ١١- عضو اللجنة المركزية للترقيات العلمية / جامعة الموصل من مايس ٢٠١٥ الى حزيران ٢٠١٨.
- ١٢- رئيس اللجنة المركزية للترقيات العلمية / جامعة نينوى منذ مايس ٢٠١٨.

## الخبرة في التدريس والاشراف:

- ١- خبرة وممارسة للتدريس لمدة (٣٩) سنة على مستوى الدراسات الأولية والعليا.
- ٢- ساهم في اعداد العديد من البرامج الدراسية والأقسام العلمية، واستحداث الدراسات العليا.
- ٣- أشرف على (٣١) رسالة ماجستير و(١٠) رسائل دكتوراه.

## البحوث العلمية:

- ١- نشر (٢١) بحثاً في مجلات ومؤتمرات عراقية و(١٣٧) بحثاً في مجلات ومؤتمرات عالمية.
- ٢- له (٤) براءات اختراع عراقية.
- ٣- ألف كتاباً باللغة العربية في هندسة الاتصالات، وشارك في تأليف (٤) كتب علمية منشورة باللغة الإنكليزية، ويعمل حالياً في المشاركة في تأليف كتابين آخرين.

## الجوائز والأوسمة:

- ١- وسام التميز العلمي من وزارة التعليم العالي والبحث العلمي /٢٠١٣.
- ٢- زمالة بحثية من وزارة التعليم العالي والبحث العلمي الأسترالية لمدة ستة أشهر عام ٢٠٠٧.
- ٣- زمالة بحثية من وزارة التعليم العالي والبحث العلمي الأسترالية لمدة أربعة أشهر عام ٢٠١٨.

استحدثت "جائزة الأستاذ الدكتور خليل حسن سيد مرعي للخريجين الثلاثة الأوائل في قسم هندسة الاتصالات" وبموجب موافقة مجلس جامعة نينوى (الجلسة الخامسة للعام الدراسي ٢٠١٩/٢٠٢٠) وحسب الشروط الآتية:

### جائزة الأستاذ الدكتور خليل حسن سيد مرعي للخريجين الأوائل في هندسة الاتصالات

الجهة المانحة: الأستاذ الدكتور خليل حسن سيد مرعي  
الجهة التي تمنح لها الجائزة: الخريجون الثلاثة الأوائل في قسم هندسة الاتصالات  
وصف الجائزة: هدية عينية أو مبلغ مالي يقدم للخريجين المتفوقين في قسم هندسة الاتصالات / كلية هندسة الالكترونيات / جامعة نينوى.  
الغرض من الجائزة: تشجيع طلبة قسم هندسة الاتصالات / جامعة نينوى على التميز في تحصيلهم الدراسي وتكريم المتفوقين بينهم بما يدفع الى مزيد من التقدم.  
شروط الجائزة:

- ١- تمنح الجائزة للخريجين الثلاثة الأوائل في قسم هندسة الاتصالات/ كلية هندسة الالكترونيات/جامعة نينوى.
- ٢- تكون الجائزة بشكل هدية عينية أو مبلغ مالي يقدم للخريجين المتفوقين في قسم هندسة الاتصالات / كلية هندسة الالكترونيات / جامعة نينوى.
- ٣- يمكن حجب الجائزة لإحدى السنوات أو عن أحد الخريجين في حالة تدني معدل التخرج.
- ٤- عند إحالة الجهة المانحة على التقاعد أو حالة الوفاة يستمر منح الجائزة من خلال راتبه التقاعدي وتتولى عائلته الاستمرار في تقديم الجائزة.

وفيما يلي تفصيل السيرة العلمية باللغة الإنكليزية

## CV of Prof. Khalil Hassan Sayidmarie

1. **Name:** Khalil Hassan Sayidmarie.

**Statistics in the Web:**

**Scopus:** H Index=12, Publications=100, Citations=632.

**Google Scholar:** h-Index=16, i<sub>10</sub>-index=28, Citations=1037.

**Publons:** 401 Reviews, Award of Top 1% Reviewers Sept. 2018.

**IEEE-Xplore:** 49 List Papers

2. **Present position:**

Prof. of Communication Engineering.

College of Electronic Engineering, Ninevah University /Mosul/ IRAQ.

(The affiliation of the College of Electronic Engineering was transferred to Ninevah University on Feb. 2014)

Email: kh.[sayidmarie@uoninevah.edu.iq](mailto:kh.sayidmarie@uoninevah.edu.iq), kh.sayidmarie@gmail.com.

3. **Qualifications:**

-B.Sc. in Elect. Eng./ Electronics & communications,( First class honor), Univ. of Mosul / IRAQ, 1976.

-Ph.D. in Communication Eng., Univ. of Sheffield / U.K., 1981.

4. **Academic posts:**

1-Deputy Head of Electrical Eng. Dept./Univ. of Mosul 28/10/1986–30/10/1987.

2-Head of Electrical Engineering Dept./Univ. of Mosul 2/11/1987 – 1/11/1995.

3-Director of Engineering Consulting Bureau/ Univ. of Mosul 1/1/1997–30/3/2002.

4-Head of Electrical Engineering Dept./ Univ. of Mosul 1/11/2001–11/8/2002.

5-Dean of College of Electronic Engineering/ Univ. of Mosul 8/7/2002 – 25/5/2003.

6-Prof of Communication Eng. / College of Engineering Since 19/3/1992.

7-Prof of Communication Eng. / College of Eng./ Amman Al-Ahliyya University/ Jordan Oct. 2006-Oct 2009

- 8- Dean of Engineering College/ Amman Al-Ahliyya University/  
Jordan, Oct 2008- Oct 2009.
- 9- Member of college council, College of Electronic Eng., Univ. of Mosul,  
Nov. 2009- Nov. 2012, and from Oct. 2017 till now.
- 10- Member of the University Council, Ninevah University / Mosul,  
Sept.2016 – till now.
- 11- Member of the Central Committee for Promotions/ Mosul University,  
May 2015-June 2018.
- 12- Chairman of the Central Committee for Promotions/ Ninevah University,  
May 2018- till now.

#### **5. Technical experience:**

- 1- Training for (14) weeks in Philips Company / Netherlands summer 1975.
- 2- Project Engineer in Coaxial Cable Company /Baghdad (Oct. 1976 to Sept. 1977).
- 3- Lecturer in Elect. Eng. Dept. / Univ. of Mosul from 3/3/1983 to 3/3/1987.
- 4- Assistant Prof. in Elect. Eng. Dept. / Univ. of Mosul from 3/3/1987 to  
19/3/1992.
- 5- Prof. in Elect. Eng. Dept. \ Univ. of Mosul Since 19/3/1992.
- 6- Visiting Professor/ College of Engineering/University of Ebb/ Yemen/ Nov.&  
Dec.1999.
- 7- Endeavour Post Doctoral Research Fellow/ School of ITEE/University of  
Queensland/Australia/ June 2007 - Dec 2007.
- 8- Prof of Communication Eng. / College of Eng./ Amman Al-Ahliyya University/  
Jordan Oct. 2006-Oct 2009.
- 9- Visiting professor/ School of Engineering / University of Bradford, U.K., 18 Nov.-  
19 Dec 2013.
- 10- Prof of communication engineering/ college of electronic engineering/ Ninevah  
University, since July 2002.
- 11- Endeavour Research fellowship/ School of ITEE/University of Queensland/  
Australia/ June-Oct 2018.

#### **6. Teaching experience:**

- 1- Teaching for 39 years of the following subjects:
  - a. **Undergraduate:** Communication principles, Communication Eng.,  
Communication Systems, Electromagnetics I and II, Electromagnetic  
Fields, Eng. Mathematics, Radiation & Propagation, Basic programming,  
Electrical measurements, Microwave Engineering, Antenna Engineering,  
Antennas and propagation.
  - b. **Postgraduate:** Microwave Techniques, Antennas & Wave Propagation, Applied  
field theory, Communication Eng., RF & Microwave circuits, Antennas,  
Propagation.
- 2- Has contributed to the establishment of MSc and PhD postgraduate study

programs at the College of Engineering/University of Mosul, taught many courses and supervised 41 theses.

3-Has contributed to the establishment of MSc programs at the College of Electronic Engineering / Ninevah University, taught many courses.

#### **7. Research experience:**

- 1- Supervision of (31) M.Sc. theses, and (10) Ph.D. theses; list of titles is in sections 13 & 14.
- 2- He has (4) Iraqi patents; one is about a novel method to measure the concentration of glucose solutions, and three related to detection and location of buried electric-power cables.
- 3- Publication of 135 papers in various International Journals and Conferences, and more than 21 papers in National Journals and Conferences.

#### **4- Current research interests:**

Reflectarrays, Printed antennas, Reconfigurable antennas, Indoor propagation, Detection & Imaging of buried cables and objects, Near field focusing.

#### **8. Consultation Experience:**

Has given consultations and worked with many industrial organizations in the field of communication and electronics. Samples of the completed projects are:-

- 1- Study of K-factor measurements in microwave LOS links.
- 2- Design and construction of VHF&UHF antennas.
- 3- Design and construction of VHF&UHF Low Noise Amplifiers.
- 4- Modification and maintenance of microwave amplifiers.

Has reviewed papers for the following journals and conferences:

- 1- IEEE Transactions on Antennas & Propagation.
- 2- PIERS Journals.
- 3- IET Microwaves, Antennas, and Propagation.
- 4- IEEE-Access.
- 5- Conferences like: SSD2010, Musharaka Conferences, APACE 2012, ISWA 2012, SETIT2012, SETIT2014, ICFCN'12, ACFTCC2013, RFM2013, ISWTA2013, ISWTA2014, ICOCOE2014, APACE 2014, EUCAP2017, EUCAP2018, EUCAP2019.

#### **9. Computer skills**

-Programming languages: Basic and Fortran.

-Engineering software packages: CST Studio Suite, High Frequency System Simulator HFSS, REMCOM wireless InSite, MATLAB.

#### **10. Published books:**

- 1- Co-Editor with Dr. Jafar R. Mohamad of the book," Array Pattern Optimization", IntechOpen 2019.
- 2- Coauthor with Dr. Jafar R. Mohamad of the following two chapters in book, " Array Pattern Optimization", IntechOpen 2019. :  
-Introductory chapter.

- Chapter 2:" Sidelobe Nulling by Optimizing Selected Elements in the Linear and

Planar Arrays“.

- 3- Co-author of a chapter titled " Double-Monopole Crescent-Shaped Antennas with High Isolation for WLAN and WIMAX Applications ", in the Book " Antenna Fundamentals for Legacy Mobile Applications and Beyond", Editors: Elfergani, I., Hussaini, A.S., Rodriguez, J., Abd-Alhameed, R. Springer, Cham, 2018.
- 4- Co-author of a chapter ," Surface Kernel Solution of the Method of Moments " in the book: " Development of Complex Electromagnetic Problems using FDTD Subgridding in Hybrid Computational Techniques ", Editors: R.A. Abd-Alhameed (Electromagnetics and Radio Frequency Engineering School of Engineering, Design and Technology, Bradford University, UK).
- 5- Co-author of the textbook (Basics of Communications) (in Arabic)/Univ. of Mosul, 1989.

#### **11. Membership of societies:**

- 1- Associate; Institution of Electrical Engineers (IEE) U.K., 1978-1981.
- 2- Member of Institution of Electrical & Electronic Engineers (IEEE) U.S.A., 1978-1990, 2013-till now.
- 3- Member of the Advisory Board of Iraqi Journal of Electrical & Electronic Engineering, Univ. of Basrah, Iraq, 2012- ....
- 4- Member of the Editorial Board of Al-Raffidain Engineering Journal, Univ. of Mosul, Iraq, 1997-2004, and 2011- ....
- 5- Member of the Editorial Board of the Iraqi Journal of Communication, Computers & Control, University of Technology, Iraq, 2001-2003.
- 6- Member of the Editorial Board of the Iraqi Journal of Electrical & Electronic Engineering, University of Basrah, Iraq, 2002-2003, and 2012- ....
- 7- Member of the Advisory Board of the Jordan Journal of Electrical Engineering, Tafila Technical University, Jordan, 2014- ....
- 8- Member ( consultant ) Iraqi Union of Engineers.
- 9- Served as a member in a large number of committees at the University of Mosul and Ministry of Higher Education and Scientific Research/Iraq, as well as Amman Al-Ahliyya University/ Jordan.

#### **12. Honors and Awards:**

- 1- Endeavor fellowship, Ministry of Higher Education Australia. Spent at School of ITEE / University of Queensland, June- Oct. 2018.
- 2- Awarded the Science Distinction Medal from the Ministry of Higher Education and Scientific Research/Iraq for his achievements in the field of Electrical Engineering, May 2013.
- 3- Award of the best paper, International Symposium on Antennas and Propagation, ISAP 2011, 25-28 Oct. 2011, Seoul, Korea.
- 4- Best Professor at the University of Mosul for the year 2009/ Ministry of Higher Education & Scientific Research (Iraq).

- 5- Best academic staff member of the year 2008. Amman Al-Ahliyya University/ Jordan.
- 6- Endeavor fellowship for postdoctoral research, Ministry of Higher Education Australia. Spent at School of ITEE / University of Queensland, June- Dec. 2007.
- 7- Award of the best paper, International Philadelphia Engineering Conference, IPEC2006, Philadelphia University, Jordan, 19-21 Sept. 2006.
- 8- Award of excellence in engineering research, the academic year 2005/2006, Ministry of Higher Education & Scientific Research/ Iraq (MHESR).
- 9- Award of excellence in research and services to the University; the academic years; 2002/2003 and 1988/1989, (MHESR)/Iraq.
- 10- Award of the best Iraqi patent in the field of engineering, 1999, Iraqi Ministry of Planning.
- 11- Fellowship for PhD study, 1977-1981, (MHESR).

### **13. Titles of Supervised M.Sc. Theses**

- 1- A programmable ultrasonic holographic imaging system, 1985.
- 2- Terrain effect on radar system performance, 1985.
- 3- Imaging of concealed objects using microwaves, 1987.
- 4- An investigation into multipath interference using long wavelength holographic Techniques, 1988.
- 5- Application of microstrip antennas for imaging of buried objects, 1989.
- 6- An investigation into microwave local hyperthermic applications, 1990.
- 7- Holographic investigation into LOS links with refractivity profiles, 1991.
- 8- Investigation into microstrip focused array hyperthermia, 1991.
- 9- Detection of buried power cables, 1992.
- 10- An investigation into subsurface imaging using VLF e.m. techniques, 1993.
- 11- An investigation into phase retrieval techniques, 1994.
- 12- Development of a VLF subsurface target detection system, 1995.
- 13- An investigation into wave propagation modeling, 1996.
- 14- Application of modern spectral techniques to multipath problems, 1997.
- 15- Characterization of indoor propagation, 1998.
- 16- Investigation of multipath problems using Prony technique, 1999.
- 17- An investigation into side lobe reduction and cancellation techniques, 2000.
- 18- An investigation into focused array hyperthermia, 2001.
- 19- Design and construction of frequency scanned microstrip array, 2002.
- 20- Application of signal processing techniques into the analysis of multipath problems in line of sight radio links, 2002.
- 21- Frequency multipliers, 2003.
- 22- Comparative study of various SAR imaging techniques, 2004.
- 23- Improvement of antenna radiation pattern using auxiliary antenna, 2005.
- 24- Investigation into amplitude-only antenna beam scanning, 2012.
- 25- Characterization of some fractal shapes for microstrip reflectarrays elements, 2012.
- 26- Investigation into Dual-Band antennas with band-reject capability, 2013.
- 27- Feasibility of scattering surfaces using the reflectarray techniques, 2014.
- 28- A Switched Beam Antenna for Base Stations of Mobile Communication Systems,

2018.

29- Investigation into metamaterial applications for microwave devices, 2019.

30- An Investigation of reconfigurable antennas, 2020.

31- Investigation of Frequency Selective Surfaces (FSS), 2020.

#### **14- Titles of Supervised Ph.D. Theses**

1- Estimation of multipath fading in LOS links, 1996.

2- Application of modern spectral estimation techniques for the improvement of holographic images, 1999.

3- Sidelobe reduction using multi-element auxiliary antenna and its applications, 2004.

4- ANN modulation recognition for RF reconnaissance system, 2005.

5- Real time adaptive MTI using DSP, 2006.

6- Investigation of focused fractal array antennas, 2007.

7- Design and implementation of UWB antennas for imaging applications, 2013.

8- Analysis, Modeling and Design of Multiband Antennas for Communication Systems, 2017.

9- Improved Multiple Antenna Configuration for handset in LTE 4G MIMO systems, 2017.

10- Design, analysis and characterization of integrated antenna-diode for energy collection, 2019.

#### **15- LIST OF PUBLICATIONS (National Journals and Conferences):**

1. Al-Shaikhly, I.A.S. & Sayidmarie, K.H., "Treatment of coetaneous Leishmaniasis by local hyperthermia", Bulletin of Endemic Diseases ,1985 ,Vol. 26, No. 1-4, pp. 93-98.

2. Sayidmarie, K.H. & Al-Azzo M.F., "A microprocessor-based ultrasonic holographic imaging system", 2nd Baghdad Int. Conf. On Computers Technology & Applications, 24-26 March 1986, pp. C4-3-1/c4-3-6 .

3. Sayidmarie, K.H. & Ahmed, B.T., "Simulation of plane ground effect on radar coverage", 1st Iraqi Conf. On Engineering, 16-19 Dec. 1989, Vol. 2, pp.288-292.

4. Sayidmarie, K.H., " Imaging of buried pipes & cables by UHF holography" , 4th Scientific Conf. Scientific Research Council, Iraq, 23-28 Oct .1986, pp.158-168.

5. Sayidmarie, K.H. & Ahmed, B.T., " Optimization of radar coverage by control of surface roughness", 1st Scientific Conf. On radar & signal processing, military technical college, Iraq, 4-7 July 1987, pp.20-32.

6. Sayidmarie, K. H., and Ahmed, B.T., " Predication of multipath interference for in-flight antenna measurements" , Proc. Of 2nd Iraqi Conf. On Engineering, 1-3 Nov. 1988.

7. Abbosh, A.M., & Sayidmarie, K.H., "Microwave backscattering from dielectric cylinders and the effect of concealing dielectric plate", Journal of Eng. and Technology, Iraq, Vol. 10, No. 2, 1991, pp. 73-94.



8. Raffo, S.D. & Sayidmarie, K.H., "Direct and holographic imaging of concealed objects by microwaves" , Journal of Eng. & Technology , Iraq, Vol. 11, 1992, pp. 19-34.
9. Habash , R.W.Y., Sayidmarie, K.H., and Abbosh, A.M., "Analysis of direct contact waveguide applicator radiating into tissue layers", Journal of Engineering & Technology , Vol. 11, No. 1, 1992, pp. 51-62.
10. Al-Azzo, M.F. & Sayidmarie, K.H., "Improved long wave length holographic images utilizing two holograms", 1st Basrah Scientific Conference on Elect. Eng., 20-22 Apr. 1992, pp.430-440.

11- " استخدام جهاز الطبع السطري لعرض شدات مختلفة من الاضاءة" مجلة هندسة الحاسبات الالكترونية,

العدد ١٣ لسنة ١٩٨٥, بغداد.

12- "جهاز لكشف و تحديد موقع كابلات القدرة الكهربائية المخفية " مجلة الهندسة و التكنولوجيا ، بغداد، العدد 4

المجلد ٧ لسنة ١٩٨٩

13. Sayidmarie, K. H. & Abbosh ,A.M., "K-factor measurements using holographic techniques", final report of contracted study for the Iraqi Telecommunication and Post ,Aug.1994.
14. Al-Azzo ,W.F. ,& Sayidmarie, K.H., "Improved images from modules data using phase retrieval techniques" , Al-Raffidain Engineering Journal, College of Eng., Mosul University, Vol. , No.2, 1995 ,pp. 84-92.
15. Sayidmarie, K.H., and Ali, A.A., "Prediction of ground multipath parameters from frequency swept data" , Al-Rafidain Engineering Journal ,College of Eng., Mosul University, Vol. 7, No. 1,1999, pp. 37-49.
16. AL-Azzo, M.F., and Sayidmarie, K.H., "Prony model-based improvement of long wave length holographic imaging", Al-Basrah Journal on Engineering Sciences, Vol.1, 2000, pp. 271- 283.
17. Ali, A.A., & Sayidmarie, K.H., "Prediction of diffraction multipath parameters using frequency swept data", The Iraqi Journal for Computer Communication & Control Eng., Vol. 1, 2000, pp. 15-27.
18. Sayidmarie, K.H., & Mohammed, J.R., " A simple technique for sidelobe reduction & cancellation", AL-Rafidain Eng. Journal, Mosul University, Vol. 10, No. 1, 2002, pp. 53-62.
19. Baedaa J. M. Jasem, and Sayidmarie K.H., "Analysis of losses and mismatch in the Feed network of frequency scanned microstrip arrays", AL-Rafidian Eng. Journal, Mosul

University, Vol.11, No.2, 2003, pp.1-14.

20. Sayidmarie, K. H., and Mohammed, J. R., "Design of a linear array with asymmetric low sidelobes", AL-Raffidian Eng. Journal, Mosul University, Vol.12, No.1, 2004, pp.1-10.
21. Sayidmarie, K. H., and Jasem, B. J. M., "Design & realization of frequency scanned microstrip antenna array", Al-Rafidain Eng. Journal, Mosul University, Vol. 12, No. 3, 2004, pp. 8-18.

#### **16- List of Publications (International Journals & Conferences)**

1. Sayidmarie, K.H., Bennett, J. C. & Anderson, A. P., "Digital processing technique for suppressing the interfering outputs in the image from an inline hologram " " Electronics Letts. ,1979,Vol.15 ,No.8,pp. 241-243.
2. Sayidmarie, K. H., Anderson, A. P. & Bennett, J.C., "Microwave images with reduced background effects from digitally processed inline hologram " " Electronics Letts., 1980, Vol.16,No.13,pp.493-494.
3. Sayidmarie, K. H. , Anderson ,A. P. & Bennett, J. C., "Digital inline holographic techniques for long wavelength imaging ,“ IEE Proc. ,1982,Vol.129,Part H, No. 4, pp.211-220.
4. Sayidmarie, K.H. & Al-Azzo ,M.F., "An ultrasonic holographic imaging system", Jordan Int. Elect. & Elect. Eng. Conf., Amman, 28 April- 1May 1985, pp. 582-585.
5. Sayidmarie, K.H., "Backscattering of microwaves by concealed cylinders", Int. Symposium on Antennas & Propagation, Kyoto, Japan, 20-22 Aug.1985, pp. 819-822.
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