



Laith Mohammed Al Taan

Professor

Physics Department, College of Science
University of Mosul, Mosul , IRAQ

Profile

More than 30 years as a knowledgeable and effective working with individual, group, and facilities, with extensive experience in thin films and solid state devices lab., microwave antennas and basic simulation methods. Supervisory and teaching experience and software skills.

Employment History

Physics Department , College of Science, University of Mosul
Jan 1992 -

Research fellowship- sabbatical - University of Plymouth, UK
Oct. 2012 – Jun 2014

Education

*Doctor of Philosophy (Ph.D.), **Electronics Solid State**, University of Mosul, IRAQ
2004

(Computer Simulation of Microwave Microstrip Amplifier Using BJ and FE Transistors).

*Master of Science (M.Sc), **Microwave**, University of basrah, IRAQ
1991

(Construction and Investigation of Long Backfire Antenna).

*Bachelor of Science (B.Sc.), **Physics**, University of Mosul, IRAQ
1980

Courses

Nanophysics tech., Solid State Electronics, Thin film techniques
Electromagnetism, Electro and magnetic, Microwave
Programming and simulation.

References

Professor **Laith A. Al Sabha** , University of Mosul
Prof.lai2014@gmail.com

Dr. Samir Mahmode , University of Mosul,
samirasia2013@gmail.com

Details

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Social Profiles

ResearchGate
https://www.researchgate.net/profile/Laith_Al_Taan2#qa

LinkedIn
<https://www.linkedin.com/feed/?trk=onboarding-landing>



Languages

Arabic

English

Organizations

- Fellow of Institute of International Education **IIE**
- **IEEE** Membership
- Membership of the Iraqi Physics and Mathematics Association **IPMA**
- Membership of the International Association of Computer Science and Information Technology **IACSIT**
- Research Fellowship from Plymouth University – UK
- Badn Academy** Member
- Member of the International Federation of the Arabic Language
- Member of **Al Rushed Center** for Researches.

Conferences

- 1- ImagineNano 2013-Graphene 2013 International Conference in Balbau, Spain-2013
- 2- Nano Electronic Characteristics Workshop, Coventry, England, UK - 2013
- 3- The SETAC Europe 23rd Annual Meeting - Glasgow - Scotland 2013
- 4- The Graphene and Related Materials Workshop, University of Exeter- UK. 2014
- 5- IIE Conference - Tools for the future .. Erbil-Iraq, 2014
- 6- The Second International Scientific Conference of the University of Babylon, 2013
- 7- The 1st. symposium on new and renewable energies of the Department of Physics Department, University of Mosul, 2011
- 8- The 1st. scientific conference of the College of Science at the University of Mosul - Mosul 2011
- 9- The International Scientific Conference on Physics Science and Technology ICPST Dubai 2011
- 10- IIE International Conference and Workshop 2012
- 11- Nanotechnology Seminar at the University of Mosul 2012
- 12-The 1st. scientific conference of the Faculty of Materials and Mechanics Engineering at the University of Babylon. 2010
- 13 Symposium 26 of the Center for Regional Studies, University of Mosul, 2008
- 14- The 8th. Scientific Conference of the University of Babylon -2002
- 15- The 2nd. National Conference on Physics - University of Mosul, 2002
- 16- The national Seminar on DU - University of Mosul, 2001
- 17- The 1st. Regional Scientific Conference of the Eclipse - Mosul, 2000
- 18- Symposium 48 of the Mosul Studies Center - University of Mosul 2018
- 19- Seminar 30 of the Center for Regional Studies - University of Mosul 2010
- 20- The 1st. scientific conference of the College of Islamic Sciences - University of Mosul - 2007
- 21- The National Scientific Symposium of the General Directorate of Gifted Schools in Iraq in Najaf, 2010
- 22- Scientific Conference of the Physics Department, University of Basra, 1990
- 23- The 1st. annual forum of the University Teaching Association - Mosul, June 1, 2006
- 24- The 7th. Periodic Scientific Conference of the Dams and Water Resources Research Center - Al Wast University T2-2010
- 25- The 1st. Symposium of the Community Rushd Center 2018
- 26- The 2nd. Symposium of the Community Rushd Center 2019
- 27- The tenth scientific symposium of the Remote Sensivity Center 4/30/2019
- 28- Solid waste effects workshop - Mosul Center for Culture and Science 2020
- 30- The scientific symposium, Al-Nahrain Research Center, Al-Nahrain University, 6/10/2020
- 31- IAMA Center Seminar at Anbar University 3/30/2020
- 32- The Symposium (Nanotechnology for Bioapplications), College of Science, University of Kirkuk
- 33- The 3rd. symposium of the Community Rushd Center 12/29/2020

Workshops

- 1- Nanotechnology and laboratory techniques workshop at Sulaymaniyah University 2011
- 2- A training workshop , measuring self-awareness and community leadership at the Kordorat Center for Human Development 2019
- 3- Monitoring environmental problems workshop in Nineveh Governorate 2019
- 4- A qualification course for the Modeling Lab 2019



Resent Publications

- Laith Al Taan, Muhanad M. Alyass, " **The Effect of Si/SiO₂ Interface on The Electrical Properties of MOS Device With Nano Layer Silicon Dioxide Grown by Induced Laser Oxidation**", Al Rafedin Science J., Vol.26, No.1, pp101-112, 2017..
- Shakil A., Genhua Pan, Laith M. Al Taan, Bing Li, Nawfal Jamil, " **Radio-frequency transport Electromagnetic Properties of chemical vapour deposition graphene from direct current to 110 MHz**", IET Circuits Devices Syst., pp. 1–6, 2015.
- Genhua Pan, bing Li, Mark Heath, David Horsell, M Leasley Wears, Laith Al Taan, Shakil Awan, " **Transfer-free growth of graphene on SiO₂ insulator substrate from aputtered carbon and nickel films.**" Carbon 65 (2013) 349-358.
- Mohammad Al Maamori, Ali Al-Mosawi, Laith Al Taan, " **Effect of Physical Additives of Shells powder on Mechanical Properties of Natural rubber**", International J. of Technical Research and Applications., vol. 1, Issue 3(2013)pp.31-33.
- Al Taan L. and Merza M., " **Determination of the best dimensions, for planar Schottky diode -Series Resistance model**", The Iraqi Journal For Mechanical And Material Engineering, Special Issue (B),2011.
- Al Taan, L., Jamil N. and Saleh S., " **A Microstrip Amplifier based on Microwave application**, The Iraqi Journal For Mechanical And Material Engineering, Special Issue (B), 2011.
- Al Taan L, Saleh A., " **Study of the effective factors on microstrip transmission line design for radio signal**", The Iraqi Journal For Mechanical And Material Engineering, Special Issue (A), 2011.
- Al Taan L., Mahmood S., Salim G., " **Design of Coupled lines Band Pass Filter at Microwave frequency** ", J. Education and Sci. 2010(23)3.
- Al Hamdany A.J and Al Taan L., " **Accelerating Organic Chemical Reactions By Microwave Irradiation(synthesis of 2–pyrazolines)**". (2004), J. Rafidin Sci.,Vol.15, No.2.
- Saeed O., Al Taan L. and Mohamed F., " **Effect of Microwave Ray on Microbes E. coli و S. aureus**", (2004), J. Rafidin Sci. Vol. 15, No.4.
- Al Taan , L.,Saeed O. " **A Physical Treatment on Pollution Water using Microwave Radiation**".,(2003), J. Rafidin Sci., Vol. 14,No.1
- Sadoon, L.M., Saleh, S.I., and Jamil, N.Y., " **Simulation for Microstrip Path using Slot model for Fringing Field**", 8th. Conference of Babylon Univ. 2002.
- Al Taan, L., " **A New Treatment on Radiation Formula for Dielectric Tube Feeder**", (2002), J. Rafidin Sci., Vol. 13,No.1,pp74-80.
- Arshak K., Al Taan L., " **Computer selection of Microstrip Antenna** ", J. Education and Sci. (1999),vol. 35,pp.59-66.
- Al Taan, L.M., " **A modeling study on long backfire antenna feed with dielectric rod**".(1998), J. Rafidin Sci.,Vol.9, No.1.
- Al Maamori, M., Rashed M. and Al Taan L., " **Effect of Doping ZnO by Li on optical properties**",(1997), J. Babylon University, Vol.3, No.3.
- Al-Rashed R., and Sadoon L.M., " **Long backfire antenna feed with a dielectric tube for surface waves with conical reflector**", (1992), J. of union of Iraqi society of physics and mathematics.,Vol.10, No.3.
- Ausama M S, Laith M. Al Taan, Amara M. Al Rawi, " **System of sterilized water treatment from bacterial pollution**", Tikrit Journal of Pure Sci., Vol 14, No.1, 2009.
- Al Maamory M., Al Wash N., Al Taan L., " **Increasing The Pumping Efficency of Crude Oil by Adding the Polymer Material-SBR**", 1st. Scientific Conference. for Chemistry Department. 2010.
- Al Maamory M., Al Taan L., Sherra Ahmed, " **Effect of Adding Hair Fiber on Tension Properties in during vulcanization by using blowing material**", 2nd. Scientific Conference. for Chemistry Department. 2011.
- Ausama M S, Laith M. Al Taan, Amara M. Al Rawi " **Design a system for the treatment and purification of polluted water in the Tigris River**", 7th. Scientific Conference for the Researches Center of Dams and Water Resources.
- Al Taan L.M., Jamil N.Y and Saleh S., " **Single-Stage Amplifiers Simulation for Microwave Applications Using S-parameters**, Journal of Rafidain Science., 2020.
- *Thanoon R. and Al Taan L., 2020, "The effect of streaking of CdSe membranes with elemental and Cu Sn on the optical and structural properties prepared by chemical bath technique" Al-Rafidain Journal of Science.*
- *Al Maamori M. and Al Taan L., 2010, "Raising the efficiency of crude oil pumping by adding SBR rubber", The Physics Department's First Scientific Conference 2010*
- *Al Taan and Arshak M., 2010, "Determining the Best Dimensions in a Planar Dual Schottky within RF", Iraqi Journal of Mechanics and Materials Engineering,*
- *Al Neaami O., Al Taan and Mahmood A. 2010, "Designing a system for treating and purifying polluted Tigris water", J. of Conference Proceedings of the Dam Research Center .*
- *Al Taan and Ahmed A., 2011, "Study of the factors affecting the design of a fine striped transmission line for radio signal" Iraqi Journal of Mechanical and Materials Engineering.*
- *Al Neaami O. , Al Taan L. and Mahmood A., 2008, "System for treatment and purification of water from microbial pollutants" Tikrit Journal of Pure Sciences 2008 (14) 1*
- *Al Taan L. "Study of the effect of microwaves on the growth of some houseplants" - in progress*