

Curriculum Vitae



Mohamed Saleh Ahmed : Ph.D

Major Areas of Interest

Optical Design, Geometrical Optics, Applied Optics.

Work:

Department of Applied Sciences

University of Technology

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Education

B.Sc. (Physics)

University of Baghdad

1970

M.Sc. University of Reading, England, U.K

1983

MSc.Thesis Title "Construction and Testing of an N₂ TEA Laser"

Ph.D University of Manchester (UMIST), England , U.K 1987

Ph.D Thesis Title "Optical Design Study of a New Type of Compact Astronomical Telescope"

Language Proficiency : English and Arabic (native)

Supervision (MSc. And Ph.D Theses)

1. Qusay H.A.Al-Kaissy ; "*Construction of TEA-TEA nitrogen laser*" M.Sc. Thesis ;Al-Nahrain University; (1993).
2. حسام حنا حبيب : " تأثير التأين المسبق الذاتي وشكل الاقطاب على قدرة ليزر النتروجين " رسالة ماجستير : الجامعة التكنولوجية : (1994)
3. Riyad A.A.Mirza ; "*Laser speckles and applications* " M.Sc. Thesis ;University of technology ;(1995).
4. Ibtisam H.Al-Rikabi; "*Effects of nitrogen laser radiation on the eye* " ;M.Sc .Thesis;University of technology;(1996).
5. علي جاسم محمد الجابري: "بناء وتشغيل منظومة ليزر النتروجين " رسالة ماجستير :الجامعة التكنولوجية : (1996)
6. Kifahh K.Al-Azzawi; "*Study of sun sensor characteristics for space applications* " Ph.D Thesis;University of Baghdad;(1997).
7. أكرم نوري محمد المشهداني: "تطوير ليزر الصبغة النبضي" اطروحة دكتوراه:الجامعة التكنولوجية:(1998)
8. Shurooq M.Ali; "*Optical design study of a Cassegrain telescope*";M.Sc .Thesis;University of Baghdad;(2001).
9. Salah A.H.Saleh; "*Optical characteristics of simulated satellite CCD images*"Ph.D Thesis;University of Baghdad;(2002).
10. Gaillan H.Abdula; "*Design of a computer system for tracing rays through thermal imager telescope*"; M.Sc .Thesis;The Military College of Engineering;(2002).
11. Nazar A.Al-Wasity; "*Effects of dust on laser beam propagation*";M.Sc .Thesis;University of Baghdad;(2002).
12. Muna S.Yousif; "*Design and construction of near IR laser beam diagnosing and analyzing system*";M.Sc .Thesis;University of Baghdad;(2002).
13. Shakir M.L.Al-Karam; "*Design and performance of thermal cameras using MRTD*" M.Sc .Thesis;The Military College of Engineering;(2002).
14. Nihad Ali Karam; "*Propagation of laser beam through thermally induced turbulence* ";Ph.D Thesis; University of Baghdad;(2003).
15. Khalid H.Rashid; "*Ray tracing algorithms for evaluation and optimizing the performance of all-reflecting astronomical telescopes*";Ph.D Thesis ;University of Baghdad;(2003).
16. Sundus Qahtan Al-Qaisy; "*Dust effect on the optically modulated images*";Ph.D Thesis;University of Baghdad;(2004).
17. Emad Kamal Zayer Al-Suwaity; "*Analyzing polarized images of the Sun*";M.Sc .Thesis;University of Baghdad;Department of astronomy and space;(2006).
18. Shrooq Mahdi Ali; "*Optical study on adaptive Cassegrain telescope* ";Ph.D Thesis;University of Baghdad;College of science;(2007).
19. Layaly Yahya Salih; " " ;Ph.D Thesis;University of Baghdad;College of science;(2007).

20. Ziad Abdulahed Toma; "*Observing and studying 20.1 MHz solar radio signals*"; Ph.D Thesis; University of Baghdad; College of science; (2008).
21. Abdulla Ali Kassim; "*Intermodel dispersion of laser pulses transmitted through silica optical fiber*"; M.Sc. Thesis; University of technology; Laser and optoelectronics engineering Department; (2008).
22. Haider Ali Nasser; "*Building and testing laser comparator*"; M.Sc. Thesis; University of technology; Laser and optoelectronics engineering Department; (2008).
23. Samira Mohammed Arif M.Saaid; "*Studies on the Design of Micro and Nano Optical Elements*"; Ph.D Thesis; University of Technology; Applied Sciences Department; (2011).

Published papers

1. S.M.Saaid, M.S.Ahmed, Dayha N.Raouf, Thmir Khalil, and Bushra R.Mahdi; (1993); "*Construction of high power travelling wave N₂ laser*"; Engineering and Technology; Vol.12; No.2.
2. M.S.Ahmed, Q.H.Alwan, K.H.Al-Shara, S.M.Arif, and B.R.Mehdi; (1994); "*Compact TEA-TEA N₂ laser*"; Engineering and Technology; Vol.13; No.4.
3. M.S.Ahmed, Raad.A.Khamis, and H.H.Habib; "*Effect of the electrode profile, electrode spacing and the edge autoprionizers spacing configuration on the performance of a TEA_N₂ laser*"; (1996); Engineering and Technology; Vol.15; No.9.
4. S.M.Saaid, M.S.Ahmed, and B.R.Mahdi; (1997); "*A small size travelling wave type pulse generator employing coaxial cables used as N₂ laser system*"; Engineering and Technology; Vol.16; No.7.
5. S.J.Lafta and M.S.Ahmed; (1998); "*An analysis of the light curves of four WUMa type stars*"; Iraqi J.Sci.; Vol.39; No.1.
6. M.S.Ahmed, N.H.Salman, S.A.Jaleel, and M.S.Khamil; (1998); "*One-axis analog sun sensor unit prototype*"; Iraqi J.Sci.; Vol.39; No.1.
7. M.S.Ahmed and N.H.Salman; (2000); "*Two dimensional analog silicon sun sensor*"; Iraqi J.Sci.; Vol. 1.41C; No.4.
8. M.S.Ahmed, I.Shafeeq, and R.A.Khamis; (2001); "*Effects of nitrogen laser radiation on the eye*"; Iraqi J.Sci.; Vol.42C; No.4.
9. S.A.Abdullah and M.S.Ahmed; (2001); "*A new type of a TE-N₂ laser*"; Engineering and Technology; Suppl.of N.1; Vol.20.

10. Mohamed Saleh Ahmed;(2006);"*Aplanatic Gregorian and Cassegrain telescope employing aspheric surfaces*";Iraqi J.Sci. and Tech.;Vol.3;No.1.
11. M.S.Ahmed and M.Salahaldeen;(2009);"*Near IR laser beam analyzing system*";Engineering and Technology;Vol.27;No.1.
12. M.S.Ahmed ,Haidar Ali Nasser,and Jassim Kadim Hmood;(2009);"*Design,construction and testing a laser power comparator*";Engineering and Technology;Vol.27;No.15.
13. M.S.Ahmed,Jassim Kadim Hmood, and Abdulla Ali Kassim;(2010);"*Measurements of intermodal dispersion in graded index optical fiber*";Engineering and Technology;Vol.28;No.7.
14. M.S.Ahmed and layale Yahya Salih;(2010);"*Observing and measuring sunspots in VIS and NIR regions*";Engineering and Technology;Vol.28;No.7.
15. S.M.Saaid,M.S.Ahmed,andD.N.Raouf;(2011);"*High resolution miniaturized lens arrays scanners and image formation systems for medical applications*";Engineering and Technology;Vol. 29 ;No. 5 .
16. S.M.Saaid,M.S.Ahmed,andD.N.Raouf;(2012);"*Design of micro size optical scanner systems*";Engineering and Technology;Vol.30 ;No. 8 .
17. John F.Grainger,and Mohamed S.Ahmed;(2012);"*A new type of compact well-baffled telescope configuration*";IJBAS-IJENS; Vol.12;No.2.