



CV

**Current position:** Professor of Physics, Dept. of Physics, Faculty of Science, King Abdul Aziz University, Kingdom of Saudi Arabia, Jeddah 21589, P.O Box 80203.

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family name:

•AL-HADEETHI

first name(s):

•Yas

Name at birth:

•AL-HADEETHI

**Marital status:**

•Married

**Gender:**

•Male

**Date of birth:**

•18 August 1959

**Place of birth:**

• Baghdad

**Country of birth:**

Iraq

**Country of current residence:**

• Italy

**Academic Title:**

•Professor of Physics

## Languages and Computer Skills:

	Speak	Write	Read	Understand	Principal language
Arabic	Excellent	Excellent	Excellent	Excellent	✓
English	Excellent	Excellent	Excellent	Excellent	
Italian	Moderate	Moderate	Moderate	Moderate	
German	Slight	Slight	Slight	Slight	

## DIPLOMA EDUCATION OR EQUIVALENT:

	Title:	Obtained in:	Country:
1-	Post Graduate Diploma in Lasers and their applications	07/1984	United Kingdom
2-	BSc. Physics, Grade V.good, 1st rank among 140students	06/1982	Iraq

## HIGHER EDUCATION:

		<i>Obtained in:</i>	<i>Type:</i>
	<b>1-</b>		
<i>Original title:</i>	<i>post doctorate</i>	12/1995	Post-doctorate level
<i>Field of study:</i>	Design a grating spectrometer		

Database	Advanced		
Internet/Mail	Advanced		
Presentation tools	Advanced		
Spreadsheet	Advanced		
Text processing	Advanced		
<i>Major subjects:</i>	astrophysical spectra, construction and diagnostics, ionizing radiation analysis and detection.		
<i>From to:</i>	07/1995 - 01/1996		
<i>School/University</i>	Max Born Institute for nonlinear optics, spectroscopy, Berlin, Germany		

		<i>Obtained in:</i>	<i>Type:</i>
	<b>2-</b>		
<b>Original title:</b>	PhD in Applied Physics	06/1995	PhD/Doctorate level
<b>Field of study</b>	Energy transport in x-ray laser plasmas, computer simulation, x-ray lasers,		
<b>Major subjects:</b>	radiation detectors, radiation interaction with matter, &x-ray Analysis		
<b>From to</b>	05/1991 - 06/1995		
<b>School/University</b>	<b>University of Essex, Essex, Colchester, England, United Kingdom</b>		

		<i>Obtained in</i>	<i>Type:</i>
	<b>3-</b>		
<b>Original title:</b>	Master of Sciences in applied physics	12/1986	Post-graduate level
<b>Field of study</b>	laser produced plasma x-ray sources		
<b>Major subjects:</b>	lasers, spectroscopy, radiation detectors, nonlinear optics, radiation and matter, quantum theory of light.		
<b>From to</b>	10/1985 - 12/1986		
<b>School/University</b>	University of Essex, Colchester, Essex, United Kingdom		

### **EMPLOYMENT RECORD:**

<b>Job title:</b>	<b>Visiting Professor of physics</b>
<b>Employer:</b>	Milano Bicocca University , Italy 2007, Dipartimento Di Fisica "G.Occhialin,University Milano-Bicocca-Italy, Piazza Della Scienza, Milano, Italy
<b>Responsibilities:</b>	Supervisor of the Nd:YAG high power picoseconds laser produced plasma laboratory. CO- advisor of research PhD. Theses, also carrying out research into laser applications in communication, several projects mainly,laser produced

plasmas, astronomical plasmas, medical applications of lasers , x-ray generation and spectroscopy.

**From:** 07/2007 Till: 15 March 2011

**Job title:** *Professor of physics & Head of Department*

**Employer:** University of IBB, teaching, IBB, province, Yemen

**Responsibilities:** Teaching and supervising projects\* in free space optical communications, and optical fiber communication, intelligent agents for radio resource management in WCDMA networks, Artificial intelligence for radon estimation, lasers and their applications; mainly medical, forensic and Doppler measurements of moving objects using heterodyne detection techniques with IR, lasers, optical communication network security, computational physics, electrical measurements, I supervised 26 research students and research staff. I. This is beside simulations in laser produced plasmas x-ray sources.

**From:** 12/2003 To: Sept.2008

**Job title:** Director of Engineering and research affairs

**Employer:** Al-Razi State Company for optoelectronics & lasers, Baghdad, Iraq

**Responsibilities:** *N.B: All of the listed below job duties were in addition to my University teaching and research as will be shown.* Directing and supervising state projects in developing medical. Industrial, communication instrumentations and activities. Also teaching PhD. students. 75 member of staff, 8 PhD holders, 18Msc. +Bsc and diploma holders in computing, physics, nuclear engineers, civil engineering, communication engineers. etc

**From:** 03/2001 To: 04/2003

**Job title:** director of food safety and environmental research and studies

**Employer:** food and environmental state office, Researches & studies, Baghdad, Iraq


**Responsibilities:** Carrying out researches and studies towards protecting food and environment from industrial, nuclear and natural caused pollution sources. Also established a centre for ionizing radiation detection in food and consumable items. My staff was about 20 Msc. And BSc. holders in analytical chemistry, physics, radiation protection, environmental education. This

	is beside directing national research projects and several Ph.D. and Msc. students.
<i>from:</i>	05/1999 to 03/2001

<i>Job title:</i>	computing and networking director
<i>Employer:</i>	Information office, networking, Baghdad, Iraq
<i>Responsibilities:</i>	This was a part time job beside my duties as senior lectures at the University of Technology, Baghdad, Iraq. I was brought to construct a national facility in computing and networking. My staff was about 65 people, Programmers, data entry staff, Local Area (LAN), WAN & MAN engineers.
<i>from:</i>	07/1997 To: 02/1999

<i>Job title:</i>	Senior lecturer then Chief of researchers equivalent to Professor
<i>Employer:</i>	University of technology, Baghdad, Iraq
<i>Responsibilities:</i>	Beside the aforementioned above duties, I worked as a senior lecturer supervising 14 Ph.D. and Msc. Theses as well as teaching laser physics, Measurements, nuclear physics, radiation interaction with matter, Medical and biological applications of ionizing radiation, Scientific English language...etc
<i>from:</i>	01/1996 to 12/2003

<i>Job title:</i>	researcher(post doc fellow)
<i>Employer:</i>	Max Born Institute, research establishment, Berlin, Germany
<i>Responsibilities:</i>	Design and build a grazing incidence spectrometer for x-ray laser research and development. Also neutron detection research
<i>from:</i>	07/1995 to 01/1996



## Degrees and Certificates

- 1- *Bsc. Physics (grade very good 82.47% -the first among 142 students), Al-Mustansryha University, Baghdad, Iraq,1982.*
- 2- *Post graduate Diploma in lasers and their applications, 1985, University of Essex, England, UK.*
- 3- *Msc. In Applied Physics, (In the field of laser produced plasma x-ray sources and their applications to contact x-ray microscopy), University of Essex, England, UK, 1986.*
- 4- *Ph.D. in Laser Physics, (in the field of uniformity and energy transport in x-ray laser plasmas), University of Essex, 1995.*
- 5- *Post-Doc- Max-Born-Institute-Germany-Berlin, Mainly building a grating spectrograph for x-ray laser research, 1995.*

## Teaching and Research Experience

- 1- *Teaching x-ray spectroscopy, plasma diagnostics at Milano-Bicocca University, Italy.*
- 2- *Teaching Laser Plasmas Interaction course to the PhD students at the University of Technology, Baghdad, Iraq.*
- 3- *Teaching Laser Principles course to the Msc. Students, University of Technology.*
- 4- *Teaching Laser Interaction with Matter to the Ph.D. students at the University of Technology.*
- 5- *Teaching Laser Applications to the Msc students, University of Technology.*
- 6- *Teaching Measurements course to the undergraduate students at the University of Technology.*
- 7- *Teaching ionizing radiation interaction with living tissue and Biophysics course to the Msc students at the Genetic Engineering and Biotechnology Institute for Postgraduate Studies, University of Baghdad.*
- 8- *Supervisor of Ph.D. theses at the College of Sciences, University of Baghdad.*
- 9- *Supervisor for 13 PhD and Msc. theses at the University of Technology.*
- 10- *Research director of 12 research groups working in laser plasmas, ionizing radiation Spectroscopy, laser Metrology, Micro and Nano-lithography, X-ray*

*fluorescence, plasma x-rays imaging and heterodyne detection with CO2 lasers.*

- 11- Member of research group at Max Born Institute for lasers and non-linear optics in Germany in 1995.*
- 12- Member of the British X-ray laser consortium in 1990, as well as participating in some research groups at the central laser facility, Rutherford Appleton laboratory in Britain 1986 and 1990.*
- 13- Chairing several conferences in Arab countries.*
- 14- Teaching in the laser design laboratory, University of Essex, England.*
- 15- External examiner for 69 Ph.D. and Msc. Theses.*
- 16- Member of the Iraqi supreme board for PhD theses evaluations for the period 1999-2003.*
- 17- Teaching Atomic physics, Nuclear physics, Electrical measurements, laser physics, General physics, Medical physics, Material science, Physics of metals and semiconductors, University of Ibb, Yemen 2003-2008.*
- 18- Co-advisor for many research Theses at the Milano-Bicocca University Italy, 2007- till now.*
- 19- Teaching laser applications to sandwich courses students at Bicocca- Milano University-Italy.*

## Societies

- 1-SPIE member (The International Society for Photo-Optical Instrumentation Engineers) Washington D.C USA, 1987-1991.*
- 2-British x-ray laser consortium 1990.*
- 3-BMLA(British Medical Laser Association) member UK -2006.*
- 4-Associate of the Italian National Institute of Nuclear Physics since 2008.*

## Other Contributions

- A- Participating in more than 30 scientific conferences in USA and Europe and about 30 conferences at home and Arab Countries .**
- B- I have developed a numerical law for energy transport in x-ray laser plasmas, It was published at the AIP (The journal of the American Institute of Physics) Phys.Plasmas 1(5) 1279(01 May 1994).**
- C- Designing and building a Grazing Incidence X-ray spectrograph at Max Born Institute in Berlin.**
- D- Building a free space optical communication system communicating between two personal computers (Transceiver system) at the University of IBB.**
- E- Supervising a Fiber Optics research project at IBB University.**
- F- Author for the Science and Technology review at IBB University.**
- G- Member for the high committee of planning and supervising educational syllabus at Ibb University.**
- H- Member of the high committee of scientific research strategies at Eden University.**

## Patents:

**Description of invention: laser produced plasma detector**  
**Date of patent award: 2<sup>nd</sup> Nov.2006**

## Research Interests:

- 1- Ionizing radiation protection, analysis and detection**
- 2- Laser produced plasmas x-ray sources.**
- 3- Free space optical communications.**
- 4- Optical fiber communications.**

- 5- *Communication security (expert in detecting intrusions to optical fiber cables and interception).*
- 6- *Lasers.*
- 7- *Ionizing radiation interaction with living tissue.*
- 8- *Medical, biological, and heterodyne detection applications of lasers.*
- 9- *Radio cell planning.*
- 10- *Intelligent agents of Net-Works.*
- 11- *Quality of service studies of Net-Works.*
- 12- *Radio-activity studies and measurements and environmental contamination with radio-activity.*
- 13- *The use of spectroscopic approaches in Forensic investigation (e.g. latent Fingerprint detections, forgeries and currency counterfeiting investigation using lasers and x-ray fluorescence.*
- 14- *Design and construction of civilian laser RADARS for moving objects identification and for pollution measurements using Doppler techniques.*
- 15- *Micro and nanolithography.*

## Publications

1. *Measurements of L-shell Soft X-Rays Emitted from Laser-Plasmas*

*Luca Antonelli, Yas Al Hadithi , Dimitri Batani*

*COST MP0601 WG & MC Meetings 14-15 May 2009, Salamanca (SPAIN)  
Facultad de Ciencias .*

- 2- *Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses*

C. Ristescu, M. Socol, G. Socol, I. N. Mihailescu, R. Jafer, Y. Al-Hadeethi and D. Batani

PHYSICS AND ASTRONOMY

Applied Physics A: Materials Science & Processing

DOI: 10.1007/s00339-011-6429-6Online First™

- 3- *Laser Induced Forward Transfer (LIFT) of Materials using 40 ps Pulses-  
Experimental and Quantitative Modelisation Study.*

***Yas Al Hadithi, Dimitri Batani, Saad Al Tarazi, Luca Volpe, Luca Antonelli, Bruno Vodopivec, Marialuisa Vitobello, Munawer Iqbal, submitted to JLMN, Japan, 2011.***

***4-Laser induced forward transfer (LIFT) of material using ablation of thin films. Saad Al Tarazi, Dimitri Batani, Yas Al Hadithi, Rashida Jafer, Luca Antonelli, PPLA 4th Work shop plasma production by Laser ablation. 18-20 June 2009 Messina, Italy.***

***5-An intelligent agents for Radio Resource Management in WCDMA networks, The University Researcher University, Vol. 3, Dec 2007, Also to be submitted to SPIE conference, 2011, USA.***

***6-Numerical, Analytical and experimental study of optical fiber communication system security, International conference on information technology and National security, Saudi Arabia, Riyadh, 1 Dec - 4 Dec 2007.***

***7-Investigating the possibility of building a free space optical communication system in Yemen, to be presented at the SPIE conference in Sweden Sept.2006.***

***9-Intelligent agents in the 3rd generation communication systems, accepted at the SPIE conference in Sweden Sept.2006.***

***10-Experimental, Numerical and Analytical investigation in optical fiber communication systems, to be presented in an international conference on information technology in Jordan, Oct.2006.***

***11-Laser Radiation Attenuation as an Approach for Estimating Humidity and Pollution, Yas Al-Hadithi et al The University Researcher Journal, University of IBB, Yemen, vol.9, 81-84, September 2005.***

***12-Uranium concentrations determination in some Yemeni plants using CN-85 detector by registration of the fission-fragments product, The 1st international scientific congress for environment, South Valley University, 6-7 April 2005, P135-142.***

***13-Heterodyne detection technique using lasers radiation as a possible approach for remotely senses the distribution of wind velocity, presented at the 3rd environmental conference, University of Taiz, 3-5 July 2005.***

***14-Design and parametric study of a flat crystal spectrometer used in the diagnostics of a laser produced plasmas x-ray sources, College of Education Journal, University of Al-Mustansiryha, Baghdad, Iraq, vol.5 2002, p56-76.***

- 15-Contact microscopy for biological specimens using x-rays produced from laser plasmas. Poster presentation 1st National conference for laser applications in medicine, Al-Kindy College of Medicine, Baghdad, Iraq, May 2001.**
- 16-Forensic applications of lasers, Poster presentation 1st National conference for laser applications in medicine, Al-Kindy College of Medicine, Baghdad, Iraq, May 2001.**
- 17-The coherent (heterodyne) detection technique for CO<sub>2</sub> laser radiation, 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 18-Signal Modulation for pulsed semi-conductor and for CO<sub>2</sub> laser radiations. 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 19-Textile diagnostics using optical, conventional, and chemical methods for Forensic Investigation. 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 20-Construction and building of a computer controlled laser system for heterodyne detection. 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 21-Acoustic-Optical Modulation for some laser wavelengths. 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 22-Reconstruction of fractured glass using laser radiation. 1st National Conference for Physics Sciences and their Applications, 22 November. 2001.**
- 23-Measurements and calculations of some parameters in laser produced plasmas. MIC Journal and conference, Baghdad Iraq, April 2000.**
- 24-Soft X-ray sources characterization from laser - produced carbon plasma. MIC Journal and conference, Baghdad Iraq, April 2000.**
- 25-Energy Transport in plasmas produced A high brightness Krypton Fluoride laser focused to A spot. MIC Journal and conference, Baghdad Iraq, April 2000.**
- 26-A study of parameters influencing coherent signal amplitude detection. MIC Journal and conference, Baghdad Iraq, April 2000.**
- 27-Optical depth calculations of some spectral lines produced using KrF laser, J of Science and Technology, University of Technology, Baghdad, Iraq, P167-171, volume 19, no.2, 2000.**
- 28-A study of Energy Transport of Plasmas produced using KrF laser radiation focused to a Spot. The 11th conference of the Iraqi Society for Physics and Math's held at the University of Mousel, Iraq, September 2000**
- 29-Soft X-ray sources characterization from laser produced carbon plasma. Journal of Sciences, Tikreet University, Iraq, volume 5, no.1 Jan 1999.**

- 30-Measurement of neon – like L-Shell X-ray Emitted from laser plasmas for astrophysical applications. Accepted for publication at the International conference for astronomy and space- Jordan- All albayet University, 1998.**
- 31-Contact microscopy and energy transport in laser plasmas as an X-ray source, colloquium of the Laser and plasma Institute for post-graduate studies, University of Baghdad, 1997.**
- 32-Uniformity and energy transport in x-ray laser plasmas, A thesis submitted for the degree of doctor of philosophy in physics, department of Physics, University of Essex, England UK, 1995.**
- 33-Energy transport in plasmas produced by high brightness KrF laser focused to a line, Al-Hadithi Y., Tallents GJ, Zhang J.M. H. Key, Norreys P.A. and Kodama J. Phys. Plasma, 1, P. 1279, 1994.**
- 34-Studies of ~ ps laser driven plasmas in line focus geometry, G.J. Tallents , Yas Al-Hadithi , L. Dwivedi , M. Holden , J. Krishnan , J. Zhang M.H. Key , D. Neely , P.A. Norreys , C.L. Lewis and A.G. Macphee , 4th International Colloquium on X Ray Lasers , Williamsburg , Virginia , (1994).**
- 35-Electron – temperature measurements from the ratio of spectral line intensities, Yas Al-Hadithi, G.J. Tallents and S. Rose, published in the Rutherford Appleton Laboratory's Annual Report, (1994).**
- 36-Laser – Plasmas energy transport produced by a high brightness KrF laser focused to a line, Yas Al-Hadithi, GJ Tallents, J. Zhang, M.H. Key, P.A. Norreys and R Kodama and S. Rose, International research workshop (EUROCONFERENCE), Generation and application of ultra short X Ray pulses, Salamanca (Spain), (1993).**
- 37-Energy transport in plasmas produced by high brightness KrF laser. Al-Hadithi, Y. Tallents GJ, Zhang J., M.H. Key, Norreys, P.A. and Kodama, R.E. CLIM – European conference on Laser interaction with matter, Paris, (1993).**
- 38-An injector / amplifier double target configuration for the Ne-like Ge X-ray laser scheme, CLS Lewis, D. Neely, D.M. O. Neill J. O. Uhomoihi, M.H. Key, Yas Al-Hadithi, G.J. Tallents, and S.A. Ramsden, Optics Communications, North Holland, 91, 71-76. (1992).**
- 39-Energy Transport in plasmas produced by a high brightness KrF laser. G.J. Tallents, Yas Al-Hadithi, et al., 19th Annual Conference on plasma physics, 10 p, Nottingham University, UK, P. 1. (1992).**
- 40-A compact crystal spectrometer for space resolving long thins plasmas, Yas Al-Hadithi et al. X-ray lasers. 1990. Ed G J. Tallents (10 P: Bristol), P. 169 (1991).**
- 41-Collisionally excited X-ray laser scheme: Progress at Rutherford Appleton Laboratory, C.L. Lewis, D. Neely, J.O. Uhomoihi, D.M. O; Neill, S.A. Ramsden,**

*G.T. Tallents, Yas Al-Hadithi et al. X-ray lasers. 1990. Ed G.J. Tallents (10 P: Bristol) England, p. 231, (1991).*

*42-100 HZ KrF Laser – plasma x-ray Sources I.C.E. Turcu, M.C. Gower, C.J. Gower, C.J. Reason, P.Huntington, F. Bijkerk, E. Louis, G.J. Tallents, Yas Al-Hadithi and D. Batani, Proceeding of SPIE vol. 1503, (1991).*

*43-Measurements of Ne-Like L-shell soft X-rays emitted from laser – plasmas, Yas Al-Hadithi et al proceedings of 18th annual conference on plasma physics, 10 P. University of Essex, UK, (1991).*

*44-A study of an injector / amplifier double target configuration for the neon like Ge – X-ray scheme, D. Neely, C.L.S. Lewis, D. M. O; Neill, J. Uhomoibhi, S.A. Ramsden, G.J. Tallents, Yas Al-Hadithi et al Annual Report to the laser facility committee, RAL – 91 – 025, P. 3 (1991).*

*45-Single shot soft X-ray microscopy of biological specimens using Nd: glass laser at Essex. Yas Al-Hadithi, J of Sciences and Technology, University of Technology, Baghdad, Iraq, 1990.*

*46-I C E Turcu, F O’Neill, U Zammit, Y Al-Hadithi, R W Eason, A M Rogoyski, C P B Hills and A G Michette, Proceedings of SPIE, volume 831, X-rays from laser plasmas, San-Diego, 1987,p211-216.*

*47-Characterization of a KrF laser-Plasma X-ray source in the 280eV-530eV photon range, I C E Turcu, F O’Neill, U Zammit, Y Al-Hadithi, R W Eason, C P B Hills, A G Michette and A M Rogoyski Annual Report to the Central Laser Facility Committee 1987, A 1.6, Rutherford Appleton Laboratory, UK.*

*48-Work on the SPRITE KrF laser. Y Al-Hadithi, R W Eason, A G Michette, C Hills, A M Rogoyski, F O’Neill, U Zammit, I C E Turcu, Annual Report to the Central Laser Facility Committee, 1986, A 4.3.2, Rutherford Appleton Laboratory, UK.*

*49-Low power laser produced plasmas x-ray sources and their applications to contact x-ray microscopy, MSc. Thesis, University of Essex, England, UK, 1986. Yas Al-Hadithi.*



**Articles:**

*about sixty articles in X-rays applications, ionizing radiation protection, lasers, the sun a forth state of matter, intelligent net works, lasers and X-rays in forensic science, communication, laser applications, plasma physics etc...*

### **Further Expertise:**

- 1- In 1984, I and a colleague build a TEA (Transversely Excited Atmospheric) CO2 laser, Physics Dept. University of Essex, Essex, Colchester, CO4 3SQ, Wivenhoe Park, England, UK. as well as experience in building metal vapor lasers.*
- 2- Experience with plasma physics packages.*
- 3- Building a microdensitometer for analyzing x-ray films.*
- 4- Fabrication of polymer photo resist sensors for the detection of UV and X-ray radiation produced from laser produced plasma X-ray sources.*
- 5- Building a free space optical communication system 2005.*
- 6- Building a system for laser communication underwater 2007-2008.*

### **Societies and Conferences:**

- A- 1987-1988-1989-1990-1991 Member of SPIE-The International Society for Photo-Optical Instrumentation Engineers-Washington-D.C USA.*
- B- 1987-SPIE conference on X-rays from laser plasmas, San-Diego, USA.*
- C- 1988- SPIE conference on X-rays from laser plasmas, San - Diego, USA.*
- D- 1990- 2nd International Colloquium on X-ray lasers, IOP, held at York University, England, and UK.*
- E- 1994-Plasma Physics Conference, IOP, held at the University of Essex, England, and UK.*
- F- 1992-Plasma Physics Conference, IOP, Nottingham University, England, UK.*
- G- 4th International Colloquium on X-Ray Lasers, Williamsburg, Virginia, (1994).*

- H- International research workshop (EUROCONFERENCE), Generation and application of ultra short X-Ray pulses, Salamanca (Spain), (1993).**
- I- ECLIM – European conference on Laser interaction with matter, Paris, (1993).**
- J- 19th Annual Conference on plasma physics, 10 p, Nottingham University, UK, P. 1. (1992).**
- K- 3rd International Conference on X-ray lasers. 1990. Editor G.J. Tallents (10 P: Bristol (1991).**
- L- Attending and participating in more than 25 conferences in Iraq.**
- M- Member-British Medical laser Association, England UK since 2005.**
- N- Member Aden University High Committee for Research Strategies.**
- O- Member of the National Institute of Nuclear Physics\*INFN\*-Italy.**

### **Most Recent Contributions:**

- 1-International conference on Super strong fields in plasmas , Varese, Italy October 2010.**
- 2-Invited speaker at the 2<sup>nd</sup> International conference on lasers and their applications, Sudan University of science and technology, Dec. 2010.**
- 3-Photonic conference, Pisa Italy, April 2010.**
- 4-Participating in the 46<sup>th</sup> Course of the International School of Quantum Electronics on (atoms and Plasmas in Super Intense Fields), Erice- Italy 10-17 July 2009.**  
**Also presenting 3 posters in that school.**
- 5-Contributed for a month to the Summer school in Microscopy arranged by Bicocca- Milano University, Italy 7Sept-9Oct. 2008.**

### **Prizes and Innovations:**

- 1- Obtaining the National Innovation Prize according to the National Innovations Law in Iraq, NO.1 Issued in 1998, and according to a ministerial order of the Ministry of Higher Education and Scientific Research NO.202 in 15/12/2001.**
- 2- Obtained a Medal from the:**

*International conference on information technology and National security,  
Kingdom of Saudi Arabia, Riyadh, 1 Dec - 4 Dec 2007.*

## Referees:

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Central 2, 1-1-1, Umezono, Tsukuba, Ibaraki, 3058568,**

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