



Curriculum vitae السيرة الذاتية

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المعلومات الشخصية

الاسم الكامل:	د. أوس السلمان
تاريخ الولادة:	دمشق ٢٥ / ٣ / ١٩٧٣
الاختصاص:	دكتوراه في الفيزياء
المرتبة العلمية:	أستاذ مساعد دكتور
الحالة الاجتماعية:	متزوج
الهاتف:	عمل ٠٠٩٦٣-١١-٥٤٤٨١٢٤ منزل ٠٠٩٦٣-١١-٥٦٣٣٧٥٧ / ٠٠٩٦٣-١١-٥٦١٢٤٨٨ موبايل ٠٠٩٦٣ ٩٣٤٩٧٣٨٨٨ فاكس: ٠٠٩٦٣-١١-5423296
البريد الإلكتروني:	awos.alsalman@gmail.com , awos-sa@scs-net.org
عنوان العمل:	جامعة دمشق، كلية الهندسة الميكانيكية والكهربائية، قسم العلوم الأساسية.

المؤهلات والشهادات العلمية الحاصل عليها

2007	دكتوراة في العلوم الفيزيائية. مدرسة لوزان التقنية العليا- لوزان- سويسرا.
2007-2003	تحضير رسالة الدكتوراه في العلوم الفيزيائية بعنوان (الدراسة الطيفية والحركية لإعادة اتحاد الإلكترون والثقب في جسيمات سيانيد الكادميوم CdSe. تأثير القياس والشكل والبنية البلورية. وذلك في مجموعة عمل البروفيسور ماجد شرقي في مدرسة لوزان التقنية الفيدرالية العليا- لوزان- سويسرا.
2002-2003	تعديل دبلوم الفيزياء الصادر عن الجمهورية العربية السورية- جامعة دمشق. وذلك في جامعة لوزان- لوزان- سويسرا.
1990-1995	دبلوم في العلوم الفيزيائية جسم صلب والإلكترونيات جامعة دمشق.
1990	بكالوريا القسم العلمي دمشق سوريا.

اللغات:

* العربية: اللغة الأم
* الانكليزية: جيدة
* الفرنسية: جيدة

[1]	٢٠١٥ أستاذ مساعد قسم العلوم الأساسية. كلية الهندسة الميكانيكية والكهربائية جامعة دمشق.
[2]	٢٠٠٩-٢٠١١-٢٠١٣-٢٠١٦ أستاذ زائر- مدرسة لوزان التقنية الفيدرالية العليا- لوزان- سويسرا.
[3]	منذ ٢٠٠٧ محاضر متفرغ لمقررات الفيزياء العامة ١، ٢، للسنوات الأولى ولجميع الاختصاصات في كلية الهندسة الميكانيكية والكهربائية جامعة دمشق.
[4]	٢٠١٥. منسق جامعة دمشق لمشروع "نماذج تطوير التعليم العالي على التأثير الاقتصادي الاجتماعي لتطبيق الطاقات المتجددة" +ERASMUS. DESIR.
[5]	٢٠١٦. منسق جامعة دمشق لمشروع "تطوير مناهج التدريب والتعليم في مجال طاقة المياه بالاعتماد على نظام الهواتف المحمولة نيكسوس " +ERASMUS. DESIRE
[6]	منذ ٢٠٠٧ محاضر لمقرر الفيزياء النانوية وتطبيقاتها. دراسات عليا. اختصاص الكترول واتصالات. كلية الهندسة الميكانيكية والكهربائية. جامعة دمشق.
[7]	منذ ٢٠١٣ محاضر مقرر الفيزياء العامة في كلية الهندسة المعلوماتية في جامعة دمشق.
[8]	منذ ٢٠٠٧ محاضر لمقررات الفيزياء العامة في العديد من الجامعات الخاصة (الجامعة السورية الخاصة. الجامعة الدولية للعلوم والتكنولوجيا. الجامعة العربية الدولية) وذلك لكليات الطب، الصيدلة وطب الأسنان وهندسة البترول والحاسب والهندسة المدنية.
[9]	٢٠٠٩-٢٠١٥ الأستاذ المشرف عن مخابر الفيزياء في كلية الهندسة الكهربائية والميكانيكية. جامعة دمشق.
[10]	٢٠١٤ مؤلف كتاب الفيزياء العامة ١ للمهندسين ولجميع الاختصاصات. بالمشاركة مع د. نقولا أبو عيسى. في كلية الهندسة الميكانيكية والكهربائية جامعة دمشق.
[11]	منذ ١٩٩٦ مدرس للعملي للعديد من الاختصاصات في ولجميع السنوات في كلية العلوم والهندسة الميكانيكية والكهربائية بجامعة دمشق وكليات الطب والعلوم والصيدلة في لوزان سويسرا.
[12]	مشرف على العديد من رسائل الماجستير في كلية العلوم و كلية الهندسة الميكانيكية والكهربائية جامعة دمشق.

[1]	A. Al Salman "Development of a Time-resolved SNOM/FRET set-up" Faculty of Mechanical and Electrical Engineering, University of Damascus, June 2004, Damascus, Syria,
[2]	A. Al Salman "Nanosecond electron-hole recombination in CdSe Nanocrystals" Group of electrochemical engineering GGEC, Institute des sciences et ingénierie chimiques, EPFL, December 2006, Lausanne (Switzerland).
[3]	A. Al Salman "Nanosecond electron-hole recombination in CdSe Nanocrystals, different shapes and structures" Faculty of Mechanical and Electrical Engineering, University of Damascus, January 2007, Damascus, Syria.

A. Al Salman "Spectroscopy and kinetics of electron-hole recombination in CdSe nanoparticles" The first Syrian conference of physics, 3-3-2008. Damascus University, Damascus, Syria.	[4]
Poster of "Nanoprobes for high resolution near-field spectroscopy". Workshop of NCCR, EPFL June 17-18, 2004, Lausanne, Switzerland.	[5]
Poster of "Development of a Time-resolved SNOM/FRET Set-up", SPS Meeting, March 3-4, 2004. Neuchâtel, Switzerland.	[6]
Poster of "Time-resolved Studies of CdSe QDs Fluorescence" Summer school on Semiconductor Quantum Dots: Physics and Devices, Monte Verità (Ascona), September 5-10/ 2004, Lausanne, Switzerland.	[7]
Poster of "Different Shapes and Lattice Structures of CdSe Nanoparticles", "Spectroscopic and Kinetic Studies of CdSe Nanoparticles, Different Shapes, and Structures". EPFL- Photonic day 24 Novembers 2006. Lausanne, Switzerland.	[8]
Poster of "Time-resolved Fluorescence Studies of CdSe nanoparticles, Different Shapes, and Structure" (Poster Prize), Summer School on Ultrafast Reaction Dynamics and Applications. June 2006, Algarve, Portugal.	[9]
Poster of "Spectroscopic and Kinetic Studies of CdSe Nanoparticles, Different Shapes, and Structures". The International Conference on the Physics of Semiconductors (ICPS) 24-28 July 2006, Vienna, Austria.	[10]

المؤتمرات العلمية والدورات العلمية:

Workshop of Ultrafast Science with X-rays and Electrons. April 9-12, 2003- Montreux, Switzerland.	[1]
Symposium 20 years of nano-optics. April 6, 2004, Basel Switzerland.	[2]
Workshop of NCCR "Fluorescence Resonance Energy Transfer Scanning Near-field Optical Microscopy: from idea to applications" EPFL June 17-18, 2004, Lausanne, Switzerland.	[3]
SPS Meeting 2004. March 3-4, 2004, Neuchâtel, Switzerland.	[4]
Summer school on Semiconductor Quantum Dots: Physics and Devices, September 5-10- 2004. Monte Verità (Ascona), Switzerland.	[5]
EPFL- Photonic day. 24 Novembers 2006. Lausanne, Switzerland.	[6]
Summer School on Ultrafast Reaction Dynamics and Applications June 2006. Algarve, Portugal,	[7]
The International Conference on the Physics of Semiconductors (ICPS) 24-28 July 2006. Vienna, Austria.	[8]

النشرات العلمية:

A. Als Salman "Influence of the Type of Solvent and the Nanorods Concentration on the Optical Properties of CdSe Nanoparticles" Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (36) No. (4) 2014.	[1]
A .Als Salman "Influence of the Type of Solvent and the Nanodots Concentration on the Optical Properties of CdSe Nanoparticles" Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (35) No. (3) 2013.	[2]

A. Al Salman "Polarization Effect on Laser Induced Surface Structure on Copper Surface" Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (34) No. (3) 2012.	[3]
A. Al Salman, A. Tortschanoff, G. Van der Zwan, F. van Mourik, M. Chergui "A model for the multi-exponential excited state decay of CdSe nanocrystal" <i>Chem phys invited article</i> , 357, 96-101, (2009).	[4]
D. Tonti, M. Mohamed, A. Al Salman, Philip Pattison, and M. Chergui "Multimodal distribution of quantum confinement in ripened CdSe nanocrystal" <i>Chem. Mater</i> , 20, 1331 (2008).	[5]
A. Al Salman, A. Tortschanoff, M. B. Mohamed, D. Tonti, F. van Mourik, M. Chergui "Temperature effects on the spectral properties of colloidal CdSe quantum dots, nanorods, and tetrapods" <i>Applied physics letters</i> , 90, 093104-093107 (2007).	[6]
A. Tortschanoff, A. Al Salman, D. Tonti, M. B. Mohamed, G. van der Zwan, F. van Mourik, and M. Chergui " Femtosecond polarization relaxation in CdSe nanocrystals" 2006: Proc .Intern. conf. Semicond. Phys (ICPS 2006), Vienna, Austria, July, (2007).	[7]
M. Mohamed, D. Tonti, A. Al Salman, A. Chemseddine M. Chergui "Synthesis of Size-Controlled Zinc-Blende CdSe Nanocrystals" <i>Journal of Physical chemistry B</i> , 109, 10533-10537 (2005).	[8]
M. Mohamed, D. Tonti, A. Al Salman, M. Chergui " Chemical Synthesis and Optical Properties of Size –Selected CdSe Tetrapod-Shaped Nanocrystals" <i>European Journal of Chemical Physics and Physical Chemistry</i> , 6, 2505-2507 (2005).	[9]
A. Al Salman, A. Tortschanoff, M. Mohamed, D. Tonti, M. Chergui "Size- and temperature-dependence of nanosecond exciton recombination dynamics in colloidal ensemble of CdSe nanocrystals" .	[10]

لمزيد من المعلومات وللمرجعية علمية أعمق :REFERENCES

Prof. Majed Chergui	Ecole Polytechnique Fédérale de Lausanne, Institut des Sciences et Ingénierie Chimiques, EPFL - BSP CH-1015 Lausanne, Switzerland, +41 21 6930457. majed.chergui@epfl.ch
Prof. Christof Coninellis	Ecole Polytechnique Fédérale de Lausanne, Institut des Chemical Sciences and Engineering, EPFL - BSP CH-1015 Lausanne, Switzerland. +41 21 6930457 christos.comninellis@epfl.ch
Prof. Ulrike Woggon	Fachbereich Physik der Universität Dortmund Otto-Hahn-Str. 4, D-44221 Dortmund, Germany. +49 2317553767 ulrike.woggon@uni-dortmund.de
Dr. Frank van Mourik	Ecole Polytechnique Fédérale de Lausanne, Institut des Sciences et Ingénierie Chimiques, EPFL - BSP CH-1015 Lausanne, Switzerland. +41 21 6930457 frank.vanmourik@epfl.ch
Dr. Dino Tonti	Instituto de Ciencia de Materiales de Madrid, Consejo Superior de Investigaciones Científica, Cantoblanco, 28049 Madrid, Spain. +34 91 334 90 26, dino@icmm.csic.es

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Curriculum vitae السيرة الذاتية



PERSONAL INFORMATIONS

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LANGUAGES:

Arabic	Mother Language
English	Fluent
French	Fluent

EDUCATION & QUALIFICATIONS:

2007	PHD in Science (Doctor es science), Ecole Poly-Technique, Fédéral de Lausanne, Lausanne, Switzerland.
2003-2007	Thesis on "Spectroscopy and kinetic studies of electron-hole recombination in CdSe nanoparticles: Effect of size shape, and Lattice structure" under the supervision of Prof. M. Chergui in. The group of prof. Majed Ghergui. Ecole Poly-Technique Fédéral de Lausanne, Lausanne, Switzerland.
2002-2003	Equivalence of the Syrian diploma, University of Lausanne, Switzerland.
1990-1995	Diploma in Physics, University of Damascus, Syria.
1990	High school diploma, Damascus, Syria.

TEACHING AND WORKING EXPERIENCE:

2015	Professor Assistant. Damascus University.
2013, 2011, 2009	Visiting Professor, EPFL. Lausanne. Switzerland.
Since 2007	Full-time Lecturer of Physics. Faculty of Mechanical and Electrical Engineering, Damascus University.
Since 2015	Project Coordinator of Development of Higher Education Teaching Modules on the Socio-Economic Impacts of The Renewable energy Implementation Project DESIRE. EERASMUS. Damascus University.
Since 2012	Lecturer of Nanoscience Physics and their Applications for Master. Courses Faculty of Mechanical and Electrical, Faculty of Science, Damascus University. Physics of Renewable Energy. Science Faculty, Damascus University.
Since 2013	Part-time Lecturer of Physics. Faculty of Information Technology, Damascus University.
Since 2010	Part-time Lecturer of Physics, Faculty of Pharmacy. AIU Arab-International University (Private University).
2009-2010	Part-time lecturer of physics. Faculties of computer and Civil Engineering International University of Science and Technology, (Private University), Damascus Syria.
2008-2009	Part-time Lecturer of Physics. Faculties of Computer and Petrol Engineering, Syrian International University of Science and Technology, (Private University) Damascus, Syria
2008	Part-time Lecturer of Physics. Faculty of Dentistry and Pharmacy International University of Science and Technology, (Private University), Damascus Syria.
2006-2007	Teaching Assistant for the fourth year of Physics studies TP4, and for the Diploma project. EPFL. Switzerland.
2005-2006	Teaching Assistant in Laboratory works for students in the third year of Physics studies, EPFL. Switzerland.
2004-2005	Teaching Assistant in Laboratory works for students in the second year of Physics studies, EPFL. Switzerland.
2003	Teaching Assistant for the 1 st year Laboratory for medicine and forensic science students, EPFL. Switzerland.
1996-2001	Assistant for an Assistantship, Faculty of Mechanical and Electrical Engineering, University of Damascus.

INVITED SEMINARS & POSTERS:

[1]	A. Al Salman "Development of a Time-resolved SNOM/FRET set-up" Faculty of Mechanical and Electrical Engineering, University of Damascus, June 2004, Damascus, Syria.
[2]	A. Al Salman "Nanosecond electron-hole recombination in CdSe Nanocrystals" Group of electrochemical engineering GGEC, Institute des Sciences et Ingénierie Chimiques, EPFL, December 2006, Lausanne (Switzerland).
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[5]	Poster of "Nanoprobes for high resolution near-field spectroscopy". Workshop of NCCR, EPFL June 17-18, 2004, Lausanne, Switzerland.
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[7]	Poster of "Time-resolved Studies of CdSe QDs Fluorescence" Summer school on Semiconductor Quantum Dots: Physics and Devices, Monte Verità (Ascona), September 5-10/ 2004, Lausanne, Switzerland.
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[10]	Poster of "Spectroscopic and Kinetic Studies of CdSe Nanoparticles, Different Shapes, and Structures". The International Conference on the Physics of Semiconductors (ICPS) 24-28 July 2006, Vienna, Austria.

CONFERENCES, WORKSHOPS AND SCHOOLS:

[1]	Workshop of Ultrafast Science with X-rays and Electrons. April 9-12, 2003- Montreux, Switzerland.
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[2]	Symposium 20 years of nano-optics. April 6, 2004, Basel Switzerland.
[3]	Workshop of NCCR "Fluorescence Resonance Energy Transfer Scanning Near-field Optical Microscopy: from idea to applications" EPFL June 17-18, 2004, Lausanne, Switzerland.
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[6]	EPFL- Photonic day. 24 Novembers 2006. Lausanne, Switzerland.
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PUBLICATIONS:

[1]	A .Alsalman " <i>Influence of the Type of Solvent and the Nanorods Concentration on the Optical Properties of CdSe Nanoparticles</i> " Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (36) No. (4) 2014.
[2]	A .Alsalman " <i>Influence of the Type of Solvent and the Nanodots Concentration on the Optical Properties of CdSe Nanoparticles</i> " Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (35) No. (3) 2013.
[3]	A. Al Salman " <i>Polarization Effect on Laser Induced Surface Structure on Copper Surface</i> " Tishreen University Journal for Research and Scientific Studies. Basic Sciences Series Vol. (34) No. (3) 2012.
[4]	A. Al Salman, A. Tortschanoff, G. Van der Zwan, F. van Mourik, M. Chergui "A model for the multi-exponential exited state decay of CdSe nanocrystal" <i>Chem phys</i> invited article, 357, 96-101, (2009).
[5]	D. Tonti, M. Mohamed, A. Al Salman, Philip Pattison, and M. Chergui "Multimodal distribution of quantum confinement in ripened CdSe nanocrystal" <i>Chem. Mater</i> , 20, 1331 (2008).
[6]	A. Al Salman, A. Tortschanoff, M. B. Mohamed, D. Tonti, F. van Mourik, M. Chergui "Temperature effects on the spectral properties of colloidal CdSe quantum dots, nanorods, and tetrapods" <i>Applied physics letters</i> , 90, 093104-093107 (2007).
[7]	A. Tortschanoff, A. Al Salman, D. Tonti, M. B. Mohamed, G. van der Zwan, F. van Mourik, and M. Chergui " Femtosecond polarization relaxation in CdSe nanocrystals" 2006: Proc .Intern. conf. Semicond. Phys (ICPS 2006), Vienna, Austria, July, (2007).

[8]	M. Mohamed, D. Tonti, A. Al Salman, A. Chemseddine M. Chergui "Synthesis of Size-Controlled Zinc-Blende CdSe Nanocrystals" <i>Journal of Physical chemistry B</i> , 109 , 10533-10537 (2005).
[9]	M. Mohamed, D. Tonti, A. Al Salman, M. Chergui "Chemical Synthesis and Optical Properties of Size –Selected CdSe Tetrapod-Shaped Nanocrystals" <i>European Journal of Chemical Physics and Physical Chemistry</i> , 6 , 2505-2507 (2005).
[10]	A. Al Salman, A. Tortschanoff, M. Mohamed, D. Tonti, M. Chergui "Size- and temperature-dependence of nanosecond exciton recombination dynamics in colloidal ensemble of CdSe nanocrystals".

REFERENCES:

Prof. Majed Chergui	Ecole Polytechnique Fédérale de Lausanne, Institut des Sciences et Ingénierie Chimiques, EPFL - BSP CH-1015 Lausanne, Switzerland, +41 21 6930457. majed.chergui@epfl.ch
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Dr. Frank van Mourik	Ecole Polytechnique Fédérale de Lausanne, Institut des Sciences et Ingénierie Chimiques, EPFL - BSP CH-1015 Lausanne, Switzerland. +41 21 6930457 frank.vanmourik@epfl.ch
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