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**Research Associate:**

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**Curriculum Vitae****Personal Status**

Surname	Shomar
Forenames	Towfic Louis Elias
Date of Birth	27/8/1962
Nationality	Jordanian
Married,	Two children

**Formal Education**

1992-1998	London School of Economics, Philosophy of Science: Ph.D. <i>Phenomenological Realism, Superconductivity and Quantum Mechanics</i> .
1988-1990	University of Jordan, Philosophy of Science: M. A. with distinction (the first). <i>Some Paradoxical Problems in Quantum Mechanics</i> .
1986-1988	University of Jordan, Philosophical Studies: Diploma with distinction (the first).
1980-1984	University of Jordan, Physics: B.Sc.

**Informal Education**

2002(Oct.)	Shua'a Arabic Scientific Information, Amman, "Management and Change Week / Strategic Thinking".
2002(Sep)	Arab Centre for Management Development, Amman, "Transformation Management Across Cultures Workshop".
2002(May)	Applied Science University in association with Rand Afrikaans University, Amman, "Workshop on Qualitative Research Methodology".
2001(Feb.)	The Church School Company, London, "Changing Schools into E-Schools".
1994(Aug.)	Association for Foundations of Sciences, Language and Cognition (AFOS), workshop, Warsaw: "Philosophy of Science, Synergetic (non-Linear Dynamics) and Foundational Problems in Social Sciences".
1991(July)	The International School for Political Studies, workshop, Amsterdam: "The Middle East After the Gulf War".
1986(July)	Petra School of Physics, workshop, Amman: "Elementary Particle Physics".
1984(June)	Petra School of Physics, workshop, Amman: "High Energy Physics".
1982(Sept.)	Petra School of Physics, workshop, Amman: "Laser Science and Applications".

**Home address**

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## Work Experience

2009-present	University of Philadelphia: Associate Professor, courses include: Civilisation 1 and 2, Scientific Methods, Contemporary Issues, Thinking Skills, Science and Society and History of Science.
2009-present	University of Philadelphia: Head of the Department of Development Studies. Duties: In charge of all the preparatory work for insuring a smooth start of teaching by the beginning of the next academic year 2009 - 2010.
2009-present	Theodor Schniller School: Director of Schniller Educational Training Centre, Jordan. Duties: drafting the main descriptions for jobs and programmes, negotiating cooperation with several universities, supervising the renovations and work at the Centre.
2004-present	University of Philadelphia: Head of the Department of Humanities. Duties: In charge of the department day-to-day activities, academic advisor, supervising the department members (13 academic staff), and setting the department agenda.
2001-2009	University of Philadelphia: Assistant Professor, courses include: Civilisation 1 and 2, Scientific Methods, Contemporary Issues, Thinking Skills, Science and Society and History of Science.
2008	Commissioned by Saga to write a contribution to the "Encyclopaedia of Research Design" edited by Neil Salkind.
2005-2008	University of Philadelphia: Deputy Dean, Faculty of Arts. Duties: In charge of quality and assurance at the Faculty, setting the faculty yearly agenda, writing the annual report, following up on the lecturing and academic activities of the faculty members (52 academic staff members + 15 non-academic staff) and writing their assessment yearly reports, supervise the heads of departments, deputy for the Philadelphia International Conference President. Following up external communications concerning the Faculty activities such as the Yearly Scientific Week, The Conference, the Monthly Staff Seminar, and other related activities.
2008	AVSI, the Association of Volunteers in International Service, Jordan, Developing a manual on ICT-for-disability teaching skills and conducting the relevant training course, (two months).
2008	Sartt, The Jordanian Centre for Knowledge Management, Jordan, Developing a manual on Civil Society and Political Developments in Jordan, (two months).
2007	AVSI, the Association of Volunteers in International Service, Jordan, Developing a manual on KAP-Surveys and conducting the relevant training course, (two months).
2007	Petra Aluminium Company, Jordan, Conducting a KAP-Survey and developing a training manual on Work Environment for their leaders.
2006	UNDP, Capacity 2015 Office the Arab Region , developing a Monitoring and Evaluation manual.
2006	UNDP, Capacity 2015 Office the Arab Region , Implementing the UNDP- Philadelphia agreement to teach MDGs to student within the Contemporary Issues course.
2006	UNIFEM, Consultant, preparing manuals built on thinking skills for students and fresh graduates on Life Skills, and conducting the relevant TOT course.
2005	UNRWA, Consultant, preparing manuals built on thinking skills for the staff on Monitoring and Evaluation, and conducting the relevant training course.
2007-present	Article writer with Al-Arab Newspaper, Qatar, writing an article a week on scientific knowledge.
2005-2007	Article writer with Al-ghad Newspaper, writing two articles a week on thoughts and cultural issues.
2003	New York Institute for Technology, Amman Campus: Lecturer, one course, Introduction to Philosophy, summer term 2003.
2003	UNIFEM, Consultant, preparing manuals built on thinking and communication skills as part of the project: "Empowering Women in Tourism Sector" (July – September). Also preparing the trainers of trainees manual, and conducting the training of trainers. (15 <sup>th</sup> September – 2 <sup>nd</sup> October).
2000-2001	University of Philadelphia, Lecturer: Civilisation 1 and 2, Scientific Methods, Contemporary Issues and History of Science.
2000-present	London School of Economics, Centre for the Philosophy of the Natural and Social Science: Research Associate. Responsibility: to effectively contribute to the research in the Centre.
2000-2005	The Ahliyyah School for Girls, Consultant. Responsibilities: developing the School's educational philosophy and policy, implementing the IB Diploma Programme, changing the School to an E-school, writing the school yearly plan, strategic planning, preparing and implementing the in-school training (on weekly bases and a two weeks training every year) and contribute toward changing the school to an e-learning institute.

- 1999 The Modern Montessori School, Consultant. Responsibilities: developing the School's educational philosophy and policy, implementing the IB programme and teaching "Theory of Knowledge".
- 1994-2000 London School of Economics, Centre for the Philosophy of the Natural and Social Science: Research Fellow. During which I headed the "Modelling in Physics and Economics" project, worked on preparing the proposal that was submitted by the Centre to the European Union on the "Precautionary Principle" (in 1996), drafting the annual report on the Centre's activities. Moreover, I was a research assistant for Prof. Nancy Cartwright in her work on her book "The Dappled World" (was published in 1999).
- 1995-1997 London School of Economics, Department of Philosophy Logic and Scientific Method: Teacher of Logic.
- 1996-1998 Highbury House Communications, The Publishing House: Freelance, Arabic Editor. The House publishes bank journals such as Al-Muftah (of the American – Saudi Bank). Part of my responsibility was to look at the financial market indicators in the Gulf and give an overall assessment of the trends in share values over a period of three months (the journal was a quarterly one).
- 1995 London School of Economics, Department of Philosophy, Logic and Scientific Method: Research assistant to Dr Colin Howson on his book *Logic by Trees*.
- 1994-1996 London School of Economics, Centre for the Philosophy of the Natural and Social Science: Head of the research team on the project "Modelling in Physics and Economics". I was in charge of distributing work, setting meetings, drafting the annual report, organising seminars and setting the budget. The team consisted of five professors and 13 researchers.
- 1993 London School of Economics, Centre for the Philosophy of the Natural and Social Science: Researcher on the project "Modelling in Physics and Economics".
- 1993-1997 London School of Economics, Department of Philosophy, Logic and Scientific Method: In charge of The Philosophy of Physics Seminar series. Responsibilities: preparing the invitations, preparing the seminar's schedule and organising the invited speakers' travel and accommodation in London.
- 1993-1996 London School of Economics, Language Centre: Teacher of Arabic as a foreign language.
- 1992 University of Exeter, Centre for Arab and Islamic Studies: Research assistant to Prof. Aziz Al-Azmeh on the project "Democracy in the Arab World".
- 1990-1992 De la Salle College, Amman: Teacher of science and physics.
- 1989-1990 Al-Nomow College, Amman: Teacher of mathematics and physics.
- 1988-present Freelance writer and Editor, articles for several Arabic newspapers, including Alghad, Al-Hayat, Al-Quds Al-Arabi, Al-Sha'ab, Al-Muftah and Al-Musafer, Afkar.
- 1986-1989 Latin de College, Amman: Teacher of math and physics.
- 1984-1986 The Jordanian Army, Amman: Compulsory Military Service.

### Courses I Taught

Scientific Research Methods, History of Science, Human Thoughts and Culture 2, Contemporary Issues, Logic, Thinking Skills, Theory of Knowledge, Science and Society

### Publications

- 2009 "Ideology and Science between Marx and Mannheim", accepted for publication at *Journal for Social Issues*, American University of Sharja, United Arab Emirates 5/5/2009.
- 2009 "Bohr as a Phenomenological Realist", *Journal for General Philosophy of Science*, Germany, published online Feb. 2009, paper publication Mar 2009.
- 2009 "The Correspondence Principle", in Neil Salkind (Ed.), *Encyclopaedia of Research Design*, Saga, submitted Sep. 2008.
- 2008 "Theory of Evaluation in Al-Maqtataf", *University of Damascus Journal for Arts and Humanities*, accepted for publication June 2008.
- 2008 "Phenomenologism vs. fundamentalism: The case of superconductivity", *Current Science*, **94**(10) 25 May 2008.
- 2006 "Theory of Social Development", In *Readings in Human Thoughts and Civilization*, Saleh Abu-Osba ET. AL. (Eds.), 2<sup>nd</sup> Edition, Dar Albarakeh, Amman 2006, pp 47-62.
- 2006 "Modelling in Applied Physics: the Case of Polymers", *Dirasat Pure Sciences*, **33**(2) August 2006.

- 2003 “Developments in Democratic Discourse and its Reflection on Arab Thought”, (in Arabic) In the Proceedings of The 7<sup>th</sup> Annual Conference of the Faculty of Arts, *The Arabs and the West*, Ghassan Abd Alkhaliq et al (ed.), Philadelphia University, Amman, Jordan. (Refereed Publication)
- 2002 “For a Cross-Cultural Human Civilisation”, (in Arabic) *Journal of Research in Humanities*, Nasser International University, Tripoli, Libya. (Refereed Journal)
- 2001 “Structural Realism and the Correspondence Principle”, *The proceedings of The Conference on Mulla Sadra and World's Contemporary Philosophy*, Mulla Sudra Institute, Iran.
- 2000 “Anti-reductionist realism in a pluralistic world”, (in Arabic) *The Arab Philosophical Journal*, Beirut, Lebanon. (Refereed Journal)
- 2000 “Realism with a New Face”, *University of Tabriz*, Tabriz, Iran. (Refereed journal)
- 1999 “Bohr and his Debate with Einstein”, *Proceedings of World Congress on Mulla Sadra*, Tehran, Islamic Republic of Iran. (Refereed conference publication)
- 1998 “Is Fundamentalism Essential to Count a Discipline as a Science?” (in Arabic), *Proceedings of the International Conference of Science, Policing and Criminology*, Al-Sharjah, United Arab Emirates. (Refereed conference publication -- fifty papers were published out of 270 participated.)
- 1998 Book Review: In and About the World by Hans Radder, *The British Journal for the Philosophy of Science*, **49**(1) London, 1998. (Refereed Journal)
- 1995 (With Prof. Nancy Cartwright and Mauricio Suarez) “The Tool Box of Science” *Poznan Studies in the Philosophy of the Sciences and the Humanities, Theories and Models in Scientific Processes*, W. Herfel et al (eds), **44** (1995), Rodopi, Amsterdam. (Refereed Journal).

#### **Publications of Manuals**

- With Sadeq Khawaja, *UN-publication*, Thinking through Tourism 2004
  - 1) Thinking Skills
  - 2) Management
  - 3) Tourism
  - 4) Programmes, Tourism Guide
  - 5) Programmes, Handcrafts
  - 6) Programmes, Home care
  - 7) Programmes, Camping
  - 8) Programmes, Travel
- Civil Society and Political Developments in Jordan 2008.
- Teaching Disables 2008.
- Teachers Training Manual 2008.
- Assistive Tools for Disables 2008.
- KAP – Surveys 2007
- Digital Age Life Skills for Work Environment, UNIFEM, electronic publication. 2007
- Monitoring and Evaluation for Development Projects, UNDP – 2015 capacity building office 2009.

#### **Publications in Arabic**

In Newspapers: a full list can be provided upon request. (Many of which are related to Democracy and civil society).

In Journals

- 1) “Liberty and Democracy”, *Jordan Dentistry Journal*, 34, October 2000, Amman, PP 77-79.
- 2) “Science, Technology and The Cultural”, *Afkar*, 162, March 2002, Amman, pp 45-48.
- 3) “Personal Testimony: Fahmi Gada’n”, *Afkar*, 172, February 2003, Amman, pp 14-15.
- 4) “Philosophy Between Science and Theology”, *Afkar* 176, June 2003.
- 5) “Institutions or Institutionalization”, *Philadelphia Cultural Journal*, Feb 2005.
- 6) "What is Democracy?", *Aldustor Althaqafi*, 7<sup>th</sup> January 2005.
- 7) "Understanding Civil Society", *Afkar*, (203), September 2005.

### Papers Presented at Conferences:

- 14/2/2008 "Theories as Obstacles", Contingencies and Descent in Science, CPNSS, LSE London, UK.
- 3/2008 "Alagetihad", Conference on Alagetihad and Changes, The National Library, Algiers, Algeria.
- 12/2006 "Toward a National Standards in Training", The League of Arab States, Cairo.
- 2/2005 "Modelling Polymers", Popper Seminar, CPNSS, LSE London, UK.
- May 2004 "Modelling in Applied Physics: the Case of Polymers", The Second world Conference on Mulla Sadra and World's Contemporary Philosophy, Mulla Sudra Institute, Iran.
- 5-8/1/2004 "Fundamentalism in Science", Faculty of Arts Yearly Workshop, Philadelphia University, Amman.
- 27-29/5/2003 "Is there Science or Sciences?!", Faculty of Arts Yearly Workshop, Philadelphia University, Amman.
- 14/12/2002 "Methods of obtaining Knowledge from a Western Perspective", Amman's Circle First Workshop, King Hussein Foundation, Amman, Jordan. (It was one of two papers submitted to the workshop, the other was on Methods of obtaining knowledge from an Islamic perspective.)
- 6-8/8/2002 "Developments in Democratic Discourse and its Reflection on Arab Thought", The 7<sup>th</sup> Annual Conference of the Faculty of Arts: "The Arabs and the West", Philadelphia University, Amman, Jordan.
- 23-28/7/2002 "For a Cross-Cultural Human Civilisation", The 12<sup>th</sup> Round Table for the Arab Academes, Nasser International University, Tripoli, Libya.
- 24/2/2002 "Bohr as a Phenomenological Realist", Popper Seminar, CPNSS, LSE London, UK.
- 22/4/2001 "Postmodernism and Truth in Social Sciences", Staff Seminar, Philadelphia University, Amman, Jordan.
- 15-17/3/2001 "Structural Realism and the Correspondence Principle", The Conference on Mulla Sadra and World's Contemporary Philosophy, Mulla Sudra Institute, Kish, Iran.
- 1-2/5/2000 "Realism with a New Face", The International Congress in Commemoration of Allameh Mohammed Taghi Ja'fari, University of Tabriz, Tabriz – Iran.
- 22-25/2/2000 "Why Democracy failed in the Arab World?", The Arab Philosophical Association's Second Workshop on Democracy, The University of Jordan, Amman, Jordan.
- 2/12/1999 "Anti-reductionist realism in a pluralistic world", AUB Staff Seminar, the Philosophy Department, American University of Beirut, Beirut, Lebanon.
- 23-27/5/1999 "Bohr and his Debate with Einstein", World Congress on Mulla Sadra, Tehran, Islamic Republic of Iran.
- 11-16/12/1998 "Is Fundamentalism Essential to Count a Discipline as a Science?" (in Arabic) at the International Conference of Science, Policing and Criminology, Al-Sharjah, United Arab Emirates.
- 21/11/1998 "Physics Between Fundamentalism and Phenomenalism", Staff Seminars, Department of Physics, University of Jordan.
- 13/2/1996 "A New Kind of Realism: Phenomenological Realism", King's College and LSE Staff Seminars, Department of Philosophy, LSE.
- 3-5/9/1995 "Does the Structural Realist Understanding of the Correspondence Principle Fit Physics?", The British Society for the Philosophy of Science, Leeds.
- 19-26 /8/1995 "The Nature of Physical Theories: A case study in superconductivity", The International Congress of Logic, Methodology and Philosophy of Science, Florence, Italy.
- 18/2/1995 "Phenomenological Realism vs. Structural Realism", Structural Realism Conference at LSE.
- 11/11/1994 "Theories and Models in Superconductivity", The Department of History and Philosophy of Science, Cambridge University, Cambridge.
- 23 /9/1994 "Theory Construction: The BCS theory of superconductivity", The British Society for the Philosophy of Science, London.
- 25-29/8/1994 (With Prof. Nancy Cartwright and Mauricio Suarez) "The Tool Box of Science", The International Conference for the History and Philosophy of Science, Warsaw, Poland .

### Papers Presented at Cultural Centres:

- 1) Workers Democracy, at the Socialist Forum, Amman - Jordan
- 2) Changes in the Class Structure of Capitalism, at the Socialist Forum, Amman - Jordan
- 3) Philosophy Between Science and Theology, at The Philosophical Society, Amman-Jordan
- 4) Reinterpreting the Texts, at the Socialist Forum, Amman – Jordan
- 5) Philosophy as Science, , at The Philosophical Society, Amman-Jordan
- 6) Kant and Science, at the Goethe Institute, Amman-Jordan.

## Media Appearances

Jordan TV, September 2008. "Civil Society in Jordan",  
Alresaleh TV, 7th January 2008, "The State",  
Alresaleh TV, 18th December 2007, "Civil Society",  
Seven Stars May 2006, "Youth and Politics in Jordan",  
Seven Stars TV, April 2006, "Democracy and Civil Society",  
Jordan TV, November 2005. "Education and Enlightenment in the Arab world",

## - Interviews

Aletihad Newspaper, United Arab Emirates, No 11941, 14th March 2008. "The role of Ajtihad in Modern Age, an interview, conducted by Husain Mhmed".  
Almajed Newspaper, Amman, Jordan 14th April 2008, an interview conducted by Tamer Khorma.  
Alghed Newspaper, September 2005. "Globalization and Knowledge", an interview conducted by Aziza Ali.

## Administrative Experience

2009	Director, Schneller Centre for Educational Training
2005-2008	Deputy Dean, Faculty of Arts, Philadelphia University
2004-present	Head of the Department of Humanities, Philadelphia University
2002-present	Member of the Steering committee of the Faculty of Arts Conferences: 7 <sup>th</sup> -13 <sup>th</sup> .
2002-present	Member of the deanship council of Faculty of Distance Learning at the University.
1994-1996	Head of the research team in the project of "Modelling in Physics and Economics" Centre for the Philosophy of the Natural and Social Sciences, LSE.
1996	Organiser of the Philosophy of Physics Undergraduate Conference, 20/1/1996, Centre for the Philosophy of the Natural and Social Sciences, LSE.
1995	Organiser of the 'Workshop on Particularism', 19/5/1995, Centre for the Philosophy of the Natural and Social Sciences, LSE.
1993-1997	Organiser of the Philosophy of Physics Weekly Seminars at LSE.
1994-1996	Head of the research team of the project "Modelling in Physics and Economics".

## Committees

2002-present	Steering committee of the Faculty of Arts Conferences: 7 <sup>th</sup> -13 <sup>th</sup> .
2003-present	Distant Learning Committee, Philadelphia University.
2005-2007	Quality Assurance Committee, Philadelphia University.
2004	Scientific Research Committee at Philadelphia University.
2002	National Committee for Civic Education, Al-Hussein Centre.

## Awards and Scholarships

1995/1996	Lakatos Scholarship Award, Department of Philosophy, Logic and Scientific Method, LSE.
1993-1995	The Student Union, LSE.
1994	The Leach Trust, London.
1990	Philosophy Department, University of Jordan, distinction, the highest mark in the Master programme over ten years.
1988	Philosophy Department, University of Jordan, distinction, the highest mark in the Diploma programme.

## Professional Membership

- 1) The Arab Philosophical Association.
- 2) Association for Foundations of Sciences, Language and Cognition.
- 3) The British Society for the Philosophy of Science.
- 4) The Jordanian Philosophical Society (founding member).

## Non-Academic Activities

2000-present	Member of the board of Socialism Forum, Jordan. (Holding the President Chair since 2004)
1989-1992	Member of the board of Al-Fuhies Cultural Festival.
1988-1990	Member of the board of Al-Fuhies Youth Club.
1983	Member of the board of the Physics Society at University of Jordan.

## Languages

Arabic	Mother Tongue
English	Excellent (writing, reading and conversation)

## Computer Skills

Microsoft Office (all applications: word, excel, PowerPoint, etc.)	Excellent
Power point	Excellent
Hard ware	Excellent
Networking	Excellent
Spreadsheet	Excellent
Internet	Excellent
Database	Excellent

## References

**Prof. Nancy Cartwright**  
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Fax: 0207-9556868  
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