

S. Mahyad Aghigh

Curriculum Vitae

EDUCATION

- 2011 – PRESENT **Master of Science**
PHYSICS, CONDENSED MATTER
University of British Columbia (UBC)
- 2006 – 2011 **Bachelor of Applied Science**
First Class Honours
ENGINEERING PHYSICS
Science & Research Campus, IAU, Tehran

WORK EXPERIENCE

- NOV. 2012 – PRESENT
Owner & CEO
Nation E-Shoppers Corp., Canada
- SEPT. 2011 – PRESENT
Graduate Research Assistant
UBC Superconductivity Group, Vancouver
- SEPT. 2011 – PRESENT
Graduate Teaching Assistant
Department of Physics & Astronomy, UBC, Vancouver
- AUG. 2012 – APRIL 2013
International Peer Advisor (IPA)
International House, UBC, Vancouver
- AUG. 2009 – AUG. 2011
Researcher
Young Researchers Club. Tehran
- SEPT. 2008 – MAY 2011
Research Assistant
Nanotechnology Research Laboratory, IAU, Tehran

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Vancouver, BC, V6T1Z4
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✉ smaghigh@physics.ubc.ca
🌐 <http://www.phas.ubc.ca/~supercon>

CONFERENCES & MEETINGS

- Oral:**
- * **APS March Meeting 2013**
(Baltimore, March. 18-22)
 - * **Nanotech Malaysia 2010**
(Kuala Lumpur, Dec. 1-3)
 - * **ICNN 2010**
(Shiraz, Nov. 9-11)
- Poster:**
- * **AMN-5 2011**
(Wellington, Feb. 7-11)
 - * **TNT2010**
(Braga, Sept. 6-10)
- Attendance:**
- * **APS Energy Workshop 2013**
(Baltimore, March 17)
 - * **CIFAR 2012**
(Toronto, May 15-18)
 - * **NW APS Meeting 2012**
(Vancouver, Oct. 18-20)

COMPUTER SKILLS

- Programming:**
- * C++
 - * MatLab
 - * Mathematica
 - * L^AT_EX
 - * LabVIEW
- Data Analysis:**
- * OriginPro
 - * Microsoft Office
 - * OpenOffice

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JOURNAL PUBLICATIONS

2012

Food Analytical Methods, V.5, Issue 5, Pages 1070-1078

Extraction of Nickel from Soil, Water, Fish, and Plants on Novel Pyridine-Functionalized MCM-41 and MCM-48 Nanoporous Silicas and Its Subsequent Determination by FAAS

H. Ebrahimzadeh, N. Tavassoli, O. Sadeghi, M. M. Amini, S. Vahidi, S. M. Aghigh, E. Moazzen
([Download Here](#))

2011

Current Applied Physics, V.11, Issue 4, Pages 1048-1055

Visible light photo-and bioactivity of Ag/TiO_2 nanocomposites with various silver contents

Ali Akbar Ashkarran, Seyed Mahyad Aghigh, Mona kavianipour, Neda Jalali Farahani
([Download Here](#))

2011

Synthesis and Reactivity in Inorganic Chemistry, V.41, Issue 5, Pages 425-428

Synthesis and characterization of ZrO_2 nanoparticles by arc discharge method in water

Ali Akbar Ashkarran, Seyed Mahyad Aghigh, Seyedeh Arezoo Ahmadi Afshar, Mona Kavianipour, Mahmoud Ghoranneviss
([Download Here](#))

2010

Polyhedron, V.29, Issue 4, Pages 1370-1374

Photocatalytic activity of ZrO_2 nanoparticles prepared by electrical arc discharge method in water

Ali Akbar Ashkarran, Seyedeh Arezoo Ahmadi Afshar, Seyed Mahyad Aghigh, Mona kavianipour
([Download Here](#))

2010

Jornal of cluster science, V.21, Issue 4, Pages 753-766

On the formation of TiO_2 nanoparticles via Submerged Arc discharge technique: Synthesis, Characterization and Photocatalytic properties

Ali Akbar Ashkarran, Mona Kavianipour, Seyed Mahyad Aghigh, Seyedeh Arezoo Ahmadi Afshar, Shahrooz Saviz, Azam Irajizad
([Download Here](#))

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VOLUNTEER EXPERIENCE

CIFAR Quantum Materials

One of the six organizers organizing all different aspects of CIFAR QM 2013 Summer School event including but not limited to: inviting speakers, scheduling the talks, facilitating a pannel discussion, planning the social events, managing the group dinner etc.

2013

Let's Talk Science

Mentoring a group of high school students through a science fair project, and judging the final projects, as well as supervising undergraduate student volunteers.

2012-13

2012 CUPC

Judging the condensed matter section of The Canadian Undergraduate Physics Conference (CUPC).

2012

UBC Physics Olympics

Planning and facilitating a practical science competition among different high schools all over BC.

2012

AAAS Family Science Days

Demonstrating simple and interesting scientific phenomena to people in the age range spanning from as little as 3 up to 70 years in order to increase public knowledge in the society.

2012

UBC International Welcome

Helping the program's leaders and coordinators with preparing required items for new international undergraduate students.

2012

NEED MORE INFO?



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ACADEMIC AWARDS & HONORS

2012 **Faculty of Science Graduate Scholarship**
The University of British Columbia

2011 **Faculty of Science Graduate Scholarship**
The University of British Columbia

2011 **Japanese Government Scholarship**
(Monbukagakusho)
Keio University, Yokohama

2011 **First Class Graduate**
Engineering Physics Class of 2011
Islamic Azad University, Tehran

2010 **The Most Productive Student of the Year**
Among all B.A.Sc, M.Sc, and PhD students
Plasma Physics Research Center, IAU, Tehran

2010 **The Best Oral Presenter**
The 3rd International Congress on
Nanoscience and Nanotechnology, Shiraz

2008 **The Best Teaching Assistant**
Islamic Azad University, Tehran

NON-ACADEMIC HONORS

2001/2 **Two Gold Medals**
Iran's middle schools volleyball tournaments

2002 **Invited to Iran national volleyball team**

2004/5 **Two Bronze Medals**
Iran's youth volleyball Leagues

2006 **One Silver Medal**
Iran's high schools volleyball tournaments

PLACES TRAVELLED

Americas: *Canada & USA*
17 Cities

Europe: *Holland, France, Spain, Italy, and Germany*
11 Cities

Asia: *Iran, UAE, & Malaysia*
12 Cities