

Raid Khider Salman

AREA OF INTEREST: Physics and Maths

Correspondence address (email addresses is preferred):

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EDUCATION:

- Ph.D. in Soft Matter Physics/ Polymer Gel Electrolytes (Applied for rechargeable batteries manufacturing) - The University of Leeds/ UK, 2014.
- M.Sc. in Polymer Composites / (Simulation and modelling treatment for high mechanical structure and thermal stability polymer composites), University of Anbar/Iraq 2003.
- B.Sc. in Physics and Maths/ University of Anbar/Iraq, 2000.

Teaching and Research Skills:

Experimental research on PGEs using PGEs Laminator (machine used to produce the row materials for lithium rechargeable batteries)	IRC labs/ School of Physics and Astronomy/ University of Leeds	2011-2013
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- **Optics**

2014- 2015

- **Renewable Energy Resources**

College of Education for Pure Sciences / University of Anbar

- **Solid State Physics**

2015

- **M.S. Office (Word 2010 for Theses and Long Articles), Maple software(Physics with Maple)**

Post Graduate (Master) Students in The University of Anbar

Advanced Mathematics Tutor

3rd year undergraduates/ School of Physics and Astronomy/ University of Leeds

2012-2013

Foundation Labs supervisory

School of Physics and Astronomy/ University of Leeds

2011-2014

Director of the projects laboratory

4th year Undergraduate/ College of Computer Sciences/ University of Anbar

2004-2008

- **Advanced Mathematics**

College of Computer Sciences, University of Anbar

2004-2008

- **Numerical Methods**

Medical Physics	College of Medicine/ University of Anbar	2005-2006 2004-2005
- Electromagnetic theory	Physics Dept. / College of Education / University of Anbar	
- <u>Complex Numbers</u>		
Windows and M.S.Office	College of Agriculture / University of Anbar	2003-2004 2008-2009

Working Skills:

- Advisory and administration of manufacturing processes and quality observing in specific rechargeable batteries and electronic devices.
- Supervisory and administration of polymers and polymer composites based sections, designing and manufacturing.
- Advisory and supervisory in scientific research faculties or development sections in industrial plants.
- Simulation and design for mechanical and mechatronic applications.

COMPUTER SKILLS:

- **O.S and CAD:** (Win9x, Win. XP, Win7 and Win8), **MS Office** (Word, Excel, PowerPoint and Access), CAD SYSTEMS (AUTOCAD, 3Ds Max, ANSYS, Autodesk Inventor).
- **Programming:** Visual Basic, LATEX

Hobbies:

- Working on and studying the green power resources, especially from simple domestic abandoned parts.
- Designing and build useful electronic circuits from old not working devices.
- Reading NLP books and following other resources.
- Sports/ Martial arts, Football and swimming.

Below a copy of my Ph.D. certificate and recommendation letters.





The University of Leeds

DEGREE OF DOCTOR OF PHILOSOPHY

It is hereby certified that

Raid Khider Salman

was admitted to the degree of Doctor of Philosophy

in this University

on the third day of March 2014



VICE-CHANCELLOR

UNIVERSITY SECRETARY

The University of Leeds math teaching recommendation

Dr Jiannis K. Pachos
Reader in Theoretical Physics



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University of Leeds
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Fax.: +44 113 343 3900

Leeds, 15 March 2015

Re: *Dr Raid Khider Salman*

To Whom It May Concern:

This is to certify that Dr Raid has worked as a tutor of advanced mathematics module Maths 3 for the third year undergraduate students of the School of Physics and Astronomy at the University of Leeds during the academic year 2012-2013.

Dr Raid was an excellent tutor helping the student with the new and often complex topics. He was also very professional with the marking of the student's scripts.

Yours sincerely,

Jiannis K. Pachos



UNIVERSITY OF LEEDS

School of Physics & Astronomy
University of Leeds
Leeds
LS2 9JT
UK

25th March 2015

Re: Dr. Raid Khider Salman

To whom it may concern

This is to certify that Dr. Raid Salman worked in our research group between February 2010 and March 2014. In that time he undertook an intensive programme of research into polymer gel electrolytes, comprising laboratory experiments, literature review and theoretical analysis. He produced a thesis and submitted for viva examination, resulting in the award of PhD.

Raid, gained experience in many experimental techniques including Differential Scanning Calorimetry, Wide Angle Xray Diffraction, Polarising Optical Microscopy, Dynamic Mechanical Analysis and Dielectric Spectroscopy. He is also highly competent in using an atmospheric chamber for sample preparation in water-free conditions. Raid is able to plan and develop new experiments to record the required information and is skilled in assembling such new equipment.

During his time in the UK he undertook teaching of our undergraduate students in the laboratory. In this he was diligent and very helpful.

In summary, Raid Salman is committed and enthusiastic in all aspects of his work, and I highly recommend him to you.

Yours truly

A handwritten signature in black ink that reads "Alison Voice". The signature is written in a cursive style with a clear, legible font.

Dr. Alison Voice
Director of Student Education in Physics

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