

# CURRICULUM VITAE

## **Mohammad Alakel Abazid**



### **CONTACT INFORMATION**

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Department of Mathematics & Statistics

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### **PERSONAL INFORMATION**

➤ **Name:** Mohammad Hasan Alakel Abazid

➤ **Year of Birth:** 1980

➤ **Place of birth:** Daraa, Syria.

### **EMPLOYMENT RECORD**

➤ **Current Position:**

King Faisal University, College of Science, Department of Mathematics and Statistics:  
*Assistant Professor in Applied Mathematics (Started on Oct, 2014).*

➤ **Previous Position:**

Saarland University. Institute of Applied Mathematics:  
*Research Associate at chair of Univ.-Prof. Dr. rer. nat. Dr. h. c. mult. A. K. Louis. (Sep, 2013- Sep, 2014)*

## **EDUCATION**

### ➤ **University of Saarland**

(Oct, 2009- July, 2014), Saarbruecken, Germany; PhD in Applied Mathematics.

### ➤ **University of Karlsruhe**

(Oct, 2006- July, 2009), Karlsruhe, Germany; M.Sc. in Mathematics.

The language of the master and the PhD was English.

### ➤ **University of Magdeburg**

(Oct, 2005- Sep, 2006), Magdeburg, Germany;

German language courses at middle and high levels (DSH).

### ➤ **University of Damascus**

(Jan, 2005- July, 2005), Damascus, Syria; German language courses at basic level.

### ➤ **AMIDEAST**

(Sep, 2004- Nov, 2004), Damascus, Syria; Intensive English language course (TOEFL).

### ➤ **University of Damascus**

(Oct, 1999- Sep, 2004), Damascus, Syria; B.Sc. in Mathematics.

### ➤ **Syrian public schools**

(July 1999), Daraa, Syria; Baccalaureate.

## **SKILLS**

➤ **Programming languages:** Matlab.

➤ **Operating systems:** Experience in using Windows operating systems.

➤ **Office and typesetting packages:** LATEX, Microsoft Office.

## **LANGUAGES**

➤ **Arabic:** Fluent (Native speaker).

➤ **English:** Proficiency in written and spoken.

➤ **German:** Proficiency in written and spoken.

## **REFERENCES**

➤ Prof. Dr. Dr. h.c. mult. Alfred K. Louis. (louis@num.uni-sb.de)

➤ Prof. Dr. Rudolf Scherer (rudolf.scherer@kit.edu)

➤ Dr. Talal Bonny (t.bonny@sharjah.ac.ae)

## TEACHING EXPERINCE

- ***Teaching mathematics at universities*** (Academic year 2014-2015-now).  
*College of Engineering, King Faisal University, Saudi Arabia:*  
Teaching the courses of Calculus 1, Calculus 2, Multivariate Calculus, Differential Equations, Linear Algebra, and Math for Electrical Engineering.
- ***Teaching mathematics at schools*** (Sep, 2003- June, 2004),  
*Daraa, Syria:*  
Practical training in preparatory and secondary public schools.

## PHD THESIS

Optimal Design of Anti-Reflection Coatings for Solar Cells Using the Method of the Approximate Inverse and its Extension.

*Supervisor: Prof. Dr. Dr. h.c. mult. Alfred K. Louis.*

*Adviser: Dr. Aref Lakhal.*

[http://www.num.uni-sb.de/iam/index.php/en/sta\\_/7-mitglieder/18-abaziden.html](http://www.num.uni-sb.de/iam/index.php/en/sta_/7-mitglieder/18-abaziden.html)

## PUBLICATIONS

- A Stable Numerical Algorithm for the design of Anti-Reflection Coatings for Solar Cells. ( with A. Lakhal & A. K. Louis)  
***International Journal of Renewable Energy Technology.***  
<http://www.inderscienceonline.com/doi/abs/10.1504/IJRET.2016.073397>
- Inverse Design of Anti-Reflection Coatings using the Nonlinear Approximate Inverse. ( with A. Lakhal & A. K. Louis)  
***Inverse problems in science and engineering.***  
<http://dx.doi.org/10.1080/17415977.2015.1077446>
- Thermo-electro-mechanical bending of FG piezoelectric microplates on Pasternak foundation based on a four-variable plate theory and the modified couple stress theory. ( with M. Sobhy)  
***Microsystem Technologies.***  
<https://link.springer.com/article/10.1007/s00542-017-3492-8>.
- A novel shear and normal deformation theory for hygrothermal bending response of FGM sandwich plates on Pasternak elastic foundation. ( with M. S. Alotebi & M. Sobhy)  
***Structural Engineering and Mechanics.***  
[www.techno-press.com/content/?page=article&journal=sem&volume=67&num=3&ordernum=1](http://www.techno-press.com/content/?page=article&journal=sem&volume=67&num=3&ordernum=1)

## **WORKSHOPS & CONFERENCES**

➤ **DMV Annual Meeting**

September 17 - 20, 2012, Saarbruecken - Germany

➤ **Chinese - German Symposium on Inverse Problems**

October 7 - 11, 2012, Saarbruecken - Germany

➤ **European Workshop on Renewable Energy Systems (EWRES)**

September 20 - 22, 2013, Istanbul - Turkey

➤ **International Conference on Advances in Applied Mathematics and Mathematical Physics**

August 19 - 21, 2014, Istanbul - Turkey

➤ **Math-Day**

March 12, 2016, Abu Dhabi - United Arab Emirates

## **TRAINING PROGRAMS**

(Deanship of Development and Quality Assurance.

King Faisal University, Hofuf - Saudi Arabia)

➤ **Students Patterns and Methods of Dealing with them**

April 11 - 12, 2017

➤ **Blackboard System: Skills and Tools**

November 19 - 20, 2017

➤ **Serious Creative Thinking Based on CoRT Program for Teaching and Developing Thinking**

December 10 - 11, 2017

➤ **E-Exams Management Skills Using Question Mark Perception**

February 11 - 12, 2018

➤ **Developing the Entrepreneurial Mindset of Students**

July 31, 2018

➤ **Teaching Methods Based on Modern Educational Technologies**

August 01, 2018

➤ **Faculty Member as a Leader and Administrator: Basic Skills of Leadership and Management**

August 02, 2018

➤ **Flipped Learning**

August 06, 2018