

## Alia Khurram

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| CONTACT INFORMATION     | <i>Address:</i><br>4076 Plum Ridge Dr.<br>Ypsilanti, MI 48197  | <i>Cell:</i> (517) 918-6979<br><i>E-mail:</i> akhurram@msn.com |
| EMPLOYMENT              | <b>Wayne State University</b> , Detroit, MI<br>Lecturer Mathematics  | Aug 2015-present   |
|                         | <b>Adrian College</b> , Adrian, MI<br>Assistant Professor Mathematics  | Aug 2007- Aug 2015   |
|                         | <b>Southern Illinois University Carbondale</b> , Carbondale, IL<br>Graduate Teaching Assistant   | Jan 2001 - May 2007  |
|                         | <b>Fauji Foundation College for Girls</b> , Rawalpindi, Pakistan<br>Senior Lecturer and Department Head  | Mar 1989 - Dec 2000  |
| EDUCATION               | <b>Southern Illinois University Carbondale</b> , Carbondale, IL<br>PhD, Mathematics<br>Dissertation Title: “ <i>Reconstruction of a Univariate Discrete Function from the Magnitude of its Fourier Transform</i> ”<br>Advisor: Dr. David W. Kammler  | May 2009   |
|                         | <b>Southern Illinois University Carbondale</b> , Carbondale, IL<br>MS, Mathematics<br>Thesis Title: “ <i>Numerical Generation of Images for the Gibbs Phenomenon Near A Corner in the Plane</i> ”<br>Advisor: Dr. David W. Kammler,  | Aug 2003   |
|                         | <b>Quaid-i-Azam University</b> , Islamabad, Pakistan<br>MS, Mathematics  | Dec 1986   |
|                         | <b>University Of The Punjab</b> , Lahore, Pakistan<br>BS Cum Laude, Mathematics  | Aug 1982   |
| MEMBERSHIPS             | American Mathematical Society (AMS)<br>Society for Industrial and Applied Mathematics (SIAM)<br>International Journal of Applied Mathematics (IJAM)<br>Journal of Mathematics and Statistics (JMS)   |  |
| PUBLICATION             | Alia Khurram, David W. Kammler (2014) <i>Numerical Generation of Images for the Gibbs Phenomenon Near A Corner in the Plane</i> , IAENG International Journal of Applied Mathematics, 44, pp15-22 (2014).  |  |
| PROFESSIONAL ACTIVITIES | <ul style="list-style-type: none"><li>• Presented <i>Math Assessment from Grounds Up</i> at the annual IUPUI Assessment Conference, Indiana, October 2014</li><li>• Member Editorial Board, Journal of Mathematics and Statistics since September 2014</li><li>• Presented <i>Numerical generation of images for the Gibbs phenomena near a corner in the plane</i>, at Michigan Academy of Science, Arts and Letters, Oakland University, February 2014</li><li>• Reviewed <i>Elementary Number Theory</i> by Kenneth H. Rosen, May 2013</li><li>• Presented <i>Gibbs Phenomenon for Bivariate Functions</i> at Michigan Section MAA Meeting at Saginaw Valley State University, May 2012</li><li>• Participated in the Focus Groups for Directors of Graduate and Undergraduate Studies at Joint Mathematics Meeting (JMM), Boston, January 2012</li></ul> |  |

## EXPERIENCE

- **Wayne State University, Detroit, MI**
  - **Courses Taught:**
    - Linear Algebra
    - Differential Equations with Matrix Algebra
    - Calculus and Analytic Geometry III
    - Calculus and Analytic Geometry II
    - Calculus and Analytic Geometry I
    - Pre-Calculus
    - Intermediate Algebra with Trigonometry
    - Beginning Statistics
    - Math in Today's World
  - **College/Department Service:**
    - Course Coordinator, Calculus I, Aug 2017 - Present
    - Member, Assessment Committee, Aug 2016 - Aug 2017
    - Member, Developmental Committee, Aug 2016 - Present
    - Member, GTA Supervision/GTA Mentoring Committee, Aug 2016 - Present
    - Presented at annual 'AP day' April, 2017
- **Adrian College, Adrian, MI**
  - **Courses Taught:**
    - Intermediate Algebra, Finite Mathematics, Precalculus,
    - Mathematics for Elementary Teachers I, II
    - Calculus and Analytic Geometry I, II, III
    - Discrete Mathematics, Linear Algebra, Differential Equations,
    - Numerical Analysis, Number Theory,
    - Theory of Mathematical Statistics, Senior Capstone: Mathematics
  - **Academic Advisor:**
    - Assisted students with academic planning and timely registration
    - Worked as a Welcome Week Advisor assisting freshmen with academic planning
  - **Chair, Mathematics Department:** Aug 2010 - 2015
    - Developed math curriculum
    - Collaborated with other departments
    - Chaired the Math Search Committee
    - Piloted Math Skills Assessment
  - **College Service:**
    - Member, Information Literacy Committee Sep 2014 - Aug 2015
    - Secretary, Assessment Committee Aug 2010 - Aug 2014
    - Member, Faculty Development Committee Aug 2009 - Aug 2010
    - Director, Math lab Aug 2009 - May 2010
- **SIUC, Carbondale, IL**
  - **Courses Taught**
    - College Algebra, Business Calculus, Finite Mathematics,
    - Precalculus for Engineers, Contemporary Mathematics
  - **Graduate Assistant**
    - Provided classroom instruction support to math faculty
    - Graded assignments and exams for math faculty
  - **Math Lab Tutor**
    - Provided students with assistance in using software applications
    - Worked as Math tutor
- **Fauji Foundation Girls College, Rawalpindi, Pakistan**
  - **Courses Taught**
    - Calculus I and II, Precalculus, Advanced Geometry, College Algebra

– **Department Head**

Developed mathematics curriculum for elementary classes  
Hired, mentored and evaluated math faculty  
Served on Recruitment, Admissions, and Timetable committees

WORKSHOP AND  
CONFERENCES  
ATTENDED

- Teach Students How to Learn: The Key to Improving Success in Gateway Courses! - Dr. Sandra McGuire, Webinar, Apr 2018
- Assessing Student Learning, Wayne State Univ., Wayne, MI Oct 2017
- Conversation Among Colleagues Conference, Wayne State Univ., Wayne, MI Mar 2015
- IUPUI Annual Assessment Conference, Indianapolis, IN Oct 2014
- Great Lakes Teaching Conference, MSU, Mt. Pleasant, MI May 2014
- Michigan Academy of Science Conference, Oakland Univ., Rochester, MI Feb 2014
- Conversation Among Colleagues Conference, CMU, Mt Pleasant, MI Mar 2013
- MAA meeting, Saginaw Valley State University, University Center, MI May 2012
- Joint Mathematics meeting, Boston, MA Jan 2012
- MAA meeting, Western Michigan University, Kalamazoo, MI May 2011
- Assessment workshop *Closing the loop* by Doug Eder, AC, Adrian, MI May 2010
- MichMATYC conference, HFCC, Dearborn Heights, MI Oct 2009
- Conversation Among Colleagues Conference, U of M, Dearborn, MI May 2009
- *Math & Tech Workshop*, Muskegon Community College, Muskegon, MI May 2008

SOFTWARE SKILLS

- C++, Fortran, Visual Basic
- Maple, Mathematica, Matlab.
- Microsoft Office Word and Excel,  $\text{T}_{\text{E}}\text{X}$ ,  $\text{L}^{\text{A}}\text{T}_{\text{E}}\text{X}$ .

SUMMARY OF  
QUALIFICATIONS

More than fifteen years of teaching experience at undergraduate level  
Ability to teach a variety of undergraduate mathematics courses  
Excellent written and oral communication skills  
Ability to easily adapt to changing circumstances  
Good time management and problem solving skills  
Experience using technology in classroom  
Experience using BlackBoard and online homework system  
Strong background in computational and applied mathematics  
Enjoy working in collaborative environment

REFERENCES

***Richard Pineau***

Lecturer, Mathematics  
Wayne State University  
*Email:* richard.pineau@wayne.edu

***Jyotsna Diwadkar***

Lecturer, Mathematics  
Wayne State University  
*Phone:* (412) 956-1088  
*Email:* jyotsna.diwadkar@wayne.edu

***Lakshmi Dalwala***

Assistant Professor, Mathematics  
Mercy College of Ohio, Toledo  
*Phone:* (419) 824-5015  
*Email:* lakshmi.dalwala@mercycollege.edu