

# Michael Obiero Oyengo

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## EDUCATION

**High School Certificate:** 2000

**Kakamega High School** - Kakamega Kenya

**Bachelors of Education** Math and Physics, 2007

**Egerton University** - Njoro, Kenya

**MSc Pure Math**, 2010

**Maseno University** - Maseno, Kenya

**PhD Math**, 2018

**University of Illinois at Urbana-Champaign** - Champaign, IL

Thesis: Chebyshev Polynomials, Conic distribution of roots, and continued fractions

## RESEARCH EXPERIENCE

Researcher in Analytic number theory in the field of geometry of polynomials and continued fractions

## TEACHING EXPERIENCE

**2008 – 2010** Graduate assistant in Maths department at Maseno University

**2010 – 2012** Assistant lecturer in Maths department at Maseno University

**2012 – 2018** Teaching Assistant in the department of Mathematics at the University of Illinois at Urbana Champaign

**2018 – Present** – Lecturer at the School of Maths at Maseno University

## HONORS AND AWARDS

**2007** Bachelor of Education Science First Class honors from Egerton University

**2010** Master of Science in pure mathematics from Maseno University

**2016, 2017, 2018** Awarded Exemplary teaching in NetMath from the University of Illinois at Urbana Champaign.

## **PROFESSIONAL MEMBERSHIP**

### **SKILLS AND TRAINING**

2002 – 2007 Trained as a Maths and Physics teacher at Egerton University Njoro.

2015 – 2018 Trained on delivering online content in Mathematics at the University of Illinois. Also trained in the use of Mathable in authoring maths questions.

### **LEADERSHIP EXPERIENCE**

### **CONFERENCES AND WORKSHOPS**

### **PUBLICATIONS**

- Non-periodic continued fractions for quadratic irrationalities. International Journal of Number Theory Vol. 12, No. 5 (2016).
- Polynomials with Chebyshev coefficients and bi-concyclic zeros. Submitted.
- Geometry of translated Chebyshev polynomials. Under preparation
- Approximating roots of Chbyshev-like polynomials using continued fractions. Under preparation.