

Joseph Onyimbo Ondik

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EDUCATION

- PGDE, Kenyatta University, 1989
- MSc in Applied Mathematics, University of Nairobi, 1979-1981
- BSc, University of Nairobi, 1976-1979
- EAACE, Maseno National School, 1974-1975
- EACE, Ambira Secondary School, 1970-1973
- CPE, Sawagongo Primary School, 1963- 1969

RESEARCH EXPERIENCE

My research interests include:

1. Mathematical Epidemiology in Modelling the incidence and prevalence of Malaria Dynamics
2. Perturbations Scheme for Solving Non-linear PDEs.
3. Fluid Mechanics of Large Blood Vessels
4. Mathematical Formulation of Conflict Resolutions
5. Stability Problems in Differential Equations

TEACHING EXPERIENCE

- 1996 - Date: Lecturer, Maseno University
- 1991-1996: Assistant Lecturer, University of Nairobi
- 1990: Tutor, Kenya Science Teachers College
- 1988: Teacher, Jamhuri High School
- 1982-1987: Teacher, Starehe Boys Centre and School
- September – October 1979: Teacher, Alliance Boys High School

Courses already handled

- Undergraduate: Fluid Mechanics, Mathematical Methods, Partial Differential Equations, Ordinary Differential Equations, Vector Analysis, Complex Analysis, Numerical Analysis
- Postgraduate: Fluid Mechanics

CONFERENCES AND WORKSHOPS

- 1998: On the method of solution of Maxwell's equations. Presented at Mathematics Department Seminar, Maseno University.
- 1998: Solutions of Systems of PDEs. Presented at Mathematics Department Seminar, Maseno University.
- 1998: Perturbation Scheme for Solving Linear PDEs. Presented at Mathematics Department Seminar, Maseno University.
- 1998: Perturbation Scheme for Solving Non-Linear PDEs. Presented at Mathematics Department Seminar, Maseno University.

PUBLICATIONS

1. J. O. Ondik, Numerical Computation in Flood Prediction, MSc. Project, 1981.