



THE TECHNICAL UNIVERSITY OF KENYA

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NAME: PROF THOMAS TONNY ONYANGO MBOYA

Faculty:	Applied Sciences and Technology
School:	Mathematics and Actuarial Science
Department:	Industrial and Engineering Mathematics
Current Designation:	Associate Professor, INDUSTRIAL AND ENGINEERING MATHEMATICS (DIEM)
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Consultation Hours:	



EDUCATION

LEVEL	QUALIFICATION NAME	INSTITUTION	YEAR
Doctor of Philosophy (PhD)	INVERSE AND Ill-POSED PROBLEMS	UNIVERSITY OF LEEDS(United Kingdom)	2008
Masters of Science (M.Sc.)	MATHEMATICS	UNIVERSITY OF NAIROBI(Kenya)	1999
Bachelor of Education (B.Ed)	SCIENCE	EGERTON UNIVERSITY(Kenya)	1993
A Level/Equivalent	KENYA ADVANCED CERTIFICATE OF EDUCATION	HOMA-BAY HIGH SCHOOL(Kenya)	1989
O level/Equivalent	KENYA CERTIFICATE OF EDUCATION	KOKURO SECONDARY SCHOOL(Kenya)	1987

WORK EXPERIENCE

PERIOD	INSTITUTION	POSITION
Feb, 2016 - To Date	Technical University of Kenya	Associate professor and Director of School
Feb, 2013 - Jan 2016	Technical University of Kenya	SENIOR LECTURER and Chair Department of Industrial and Engineering Mathematics
March 2012 - Jan 2013	Technical University of Kenya	SENIOR LECTURER and Chair Department of Statistics and Computational Mathematics Mathematics
2009 - 2012	CATHOLIC UNIVERSITY OF EASTERN AFRICA	LECTURER
2005 - 2009	UNIVERSITY OF LEEDS	POST GRADUATE DEMONSTRATOR
2001 - 2005	CATHOLIC UNIVERSITY OF EASTERN AFRICA	LECTURER
1999 - 2002	TEACHERS SERVICE COMMISSION OF KENYA	TEACHER
1994 - 1997	TEACHERS SERVICE COMMISSION OF KENYA	TEACHER

CURRENT RESEARCH PROJECTS

computational fluid dynamics dynamical systems

SELECTED PUBLICATIONS

TITLE	LINK TO PUBLICATION	YEAR
RECONSTRUCTION OF BOUNDARY CONDITION LAWS IN HEAT CONDUCTION USING THE BOUNDARY ELEMENT METHOD.	View online	
RESTORING BOUNDARY CONDITIONS IN HEAT CONDUCTION,	View online	
RECONSTRUCTION OF HEAT TRANSFER COEFFICIENTS USING THE BOUNDARY ELEMENT METHOD,	View online	
RESTORING BOUNDARY CONDITIONS IN HEAT CONDUCTION USING THE BOUNDARY ELEMENT METHOD, ADVANCES IN BOUNDARY ELEMENT METHODS.	View online	

POSTGRADUATE STUDENTS SUPERVISION

NAME	PROJECT TITLE	PERIOD
Francis Muli	Fluid Flow	2014