

AMUCHMA 30 (CONTINUED)

**This version of issue 30 has been split into four parts
30.1, 30.2, 30.3, and 30.4. This is 30.2**

Egypt

Ali Mostafa MOSHARAFA (11.07.1898-16.01.1950) (Male)
1923 (Ph.D.) *The Quantum Theory of Stark and Zeeman Effects*, University of London (UK); Advisor: Owen W. Richardson.
1924 (D.Sc.) University of London (UK).

Caleb GATTEGNO (1911-1988) (Male)
1937 (Ph.D.) *Les cas essentiellement géodésiques des équations de Hamilton-Jacobi intégrables par séparation des variables* [The essentially geodesic cases of Hamilton-Jacobi equations integrable by the separation of variables], Basle University (Switzerland).

Attiya Abd-EL-Salam ASHOUR (b. 13.09.1924) (Male)
1948 (Ph.D.) *Electromagnetic induction in a non-uniform ionosphere*, University of London (UK); Advisor: A. T. Price.
1967 (D.Sc.) University of London (UK).

Badie Tawfik Mohamed HASSAN (b. 20.7.1941) (Male)
1967 (Ph.D.) *The geometry of geodesics in Finsler geometry*, University of Southampton (UK); Advisor: F. Brickell.

Abdel-Shafy Fahmy OBADA (b. 20.11.1942) (Male)
1967 (Ph.D.) *Mathematical treatment of microscopic optics*, University of Manchester (UK); Advisor: Robin K. Bullough.
1994 (D.Sc.) University of Manchester (UK).

Mohamed Assad Mohamed HASSAN (b. 23.05.1945) (Male)
1976 (Ph.D.) *The theory of final groups*, Eotvos Lorand University (Budapest, Hungary); Advisor: Korraadi Keresztsely.
1996 (D.Sc.) Hungarian Academy of Sciences (Budapest, Hungary).

Shoukry Sayyed HASSAN (b. 16.12.1945) (Male)
1976 (Ph.D.) *Mathematical treatment of quantum optics*, University of Manchester (UK); Advisor: Robin K. Bullough.
1993 (D.Sc.) University of Manchester (UK).

Mohamed Gawdat GOUDA
1977 (Ph.D.) *Protocol Machines: Towards a Logical Theory of Communications Protocols*, University of Waterloo (Canada); Advisor: Eric Manning.

Hamad M. YEHYIA (b. 03.04.1945) (Male)

1978 (Ph.D.) *Qualitative analysis of the problem of rotation of a rigid body about a fixed point*, Moscow State University (Russia); Advisor: V. G. Demin.

1986 (D.Sc.) Moscow State University (Russia).

Amal RASHED (Male)

1981 (Ph.D.) *A Study of Fuzzy Variables and Some Comparisons with Random Variables*, University of Sheffield (UK); Advisor: M. B. Rao.

Mohamed EL AGAWANY (Male)

1982 (Doctorat) *Sur les algèbres universelles*, Université de Montpellier II (France); Advisor: Artibano Micali.

Néfertiti MAGAHED

1988 (Doctorat) *Autour des algèbres de Malcev*, Université de Montpellier II (France); Advisor: Artibano Micali.

Mohamed EL ATTAR (Male)

1994 (Ph.D.) *Oscillations of Retarded Differential Equations*, Tanta University (Egypt); Advisor: Ovide Arino.

M. A. H. ESMAIL

1994 (Ph.D.) *The Linear Quadratic Regulator Problem for Degenerate Systems in Hilbert Spaces*, Minia University (Egypt); Advisor: Franz Kappel.

Ashraf FATHALLAH

1998 (Ph.D.) *State-Dependent Delay Differential Equations arising in the Study of Stage-Structured Population Growth*, Cairo University (Egypt); Advisor: Ovide Arino.

Abdel-Rahman Aly HUSSEIN (Male)

1999 (Ph.D.) *Application of the Trotter-Kato Theorem to Collocation Methods*, Minia University (Egypt); Advisor: Franz Kappel.

El-Sayed M. E. MOSTAFA

2000 (Ph.D.) *Efficient Trust Region Methods in Numerical Optimization*, Alexandria University (Egypt); Advisors: Ekkehard Sachs & Mahmoud El-Alem.

Mohamed Barakat (Male)

2001 (Dr. rer. nat.) *Functional Spaces. A Direct Approach*, Rheinisch-Westfaelische Technische Hochschule (Aachen, Germany); Advisor: Wilhelm Plesken.

Fathy Ibrahim ABDEL-BASSIER

2002 (Ph.D.) *On the Structure of Higher-Order Gravitational Field Equations on n-Dimensional Spacetimes*, Minia University (Egypt); Advisor: Rainer Schimming.

Samir H. Saker (Male)

2002 (Ph.D.) *Oscillation Theory of Delay Differential and Difference Equations and Some of Their Applications*; Adam Mickiewicz University (Poznan, Poland).

Eritrea

Abdulkeni Abdulkerim ZEKERIA (b. 10.03.1951) (Male)

1984 (Ph.D.) *On Singularly Perturbed Second Order Differential Equations with a Discontinuous Coefficient in a Hilbert Space*, Howard University (Washington DC, USA); Advisor: James A. Donaldson.

Ghidewon Abay ASMEROM (Male)

1990 (Ph.D.) *Graph Products and Covering Graph Imbeddings*; Western Michigan University (Kalamazoo MI, USA); Advisor: Arthur White, II.

Eshetu T. WONDmagegnehu

2002 (Ph.D.) *Mixture distribution of increasing failure rates*, University of Pittsburgh (PA, USA); Advisors: Henry W. Block & Thomas H. Savits.

Berhane Tequabo GHAIM (b. 1968) (Male)

2003 (Ph.D.) *On the Geometry of Banach Space Operators*, Kent State University (Kent, Ohio, USA); Advisors: Joe Diestel.

Ethiopia

Seyoum GETU (Male)

1973 (Ph.D.) *Generalizing Alternative Rings*, University of Missouri (Columbia, USA); Advisor: David Rodabaugh.

Demissu GEMEDA (b. 03.12.1946) (Male)

1976 (Ph.D.) *Multiplicative Structure of Finite Free Resolutions of Ideal Generated by Monomials in an R-Sequence*, Brandeis University (MA, USA); Advisor: David Buchsbaum.

Adinew ALEMAYEHU (b. 1948) (Male)

1985 (Dr.rer.nat.) *Development, Analysis and Implementation of Parametric Adams 1-3 Step Methods*, Humboldt-Universitaet (Berlin, Germany), Advisor: Eberhard Griepentrog.

Demissie ALEMAYEHU (Male)

1986 (Ph.D.) *Bootstrapping Multivariate Models and Robust Statistics*, University of California (Berkeley CA, USA); Advisor: R. D. J. Beran.

Shiferaw BERHANU (Male)

1987 (Ph.D.) *Hypo-Analytic Pseudodifferential Operators*, Rutgers University (New Brunswick, USA); Advisor: J. François Trèves.

Abdulcadir Sheikh ISSA (Male)

1988 (Ph.D.) *Spaces of Functions L^p -Differentiable in the Local Sense up to a Variable Order and Their Stability under Pseudodifferential Operators*, Howard University (Washington DC, USA).

Amha TUME-LISAN (b. 01.01.1949) (Male)

1989 (Ph.D.) *The Ideal Structure of the Space of Ultrafilters on a Discrete Semigroup and Related Ramsey Theorems*, Howard University (Washington DC, USA); Advisor: Neil Hindman.

Isaac BEKELE (Male)

1991 (Ph.D.) *Sequential Procedures for Estimation of the Time of Attainment of a Threshold Value*, Cornell University (Ithaca NY, USA); Advisor: Charles McCulloch.

Abera ABAY (Male)

1993 (Ph.D.) *Some Limiting Distributions for Renewal Processes*, Temple University (Philadelphia PA, USA); Advisor: Janos Galambos.

Gebreselassie BARAKI (Male)

1993 (Ph.D.) *Abstract interpretation of polymorphic higher-order functions*, University of Glasgow (UK).

Dawit BEKELE (Male)

1994 (Ph.D.) *Contribution to the study of the distribution applications in Ada*, Université de Toulouse (France).

Kenzu ABDELLA (b. 1964) (Male)

1994 (Ph.D.) *Shear Flow Instability and Numerical Simulation of Droplets*, The University of Western Ontario (London, Canada); Advisor: Henning Rasmussen.

Mulatu LEMMA (Male)

1994 (Ph.D.) *Some Power Series Transformations and Weighted Mean Transformations that Preserve Absolute Convergence*, Kent State University (Kent, Ohio, USA); Advisor: John Fridy.

Ahmed MOHAMMED (Male)

1995 (Ph.D.) *A Modulus of Continuity and Harnack's Inequality for Second Order Parabolic Schroedinger Equations*, Temple University (Philadelphia PA, USA); Advisor: Gary Bates.

Kbenesh W. BLAYNEH (Female)

1996 (Ph.D.) *Hierarchical Size-Structured Population Models*, University of Arizona (Tucson, AZ, USA); Advisor: J. M Cushing.

Abdulkadir HASSEN (Male)

1996 (Ph.D.) *Log-Polynomial Period Functions for the Hecke Groups*, Temple University (Philadelphia PA, USA); Advisor: Marvin Knopp.

Aklilu ZELEKE (Male)

1997 (Ph.D.) *The Effect of Finite Memory Cutoff on Loop Erased Walk in Three Dimensions*, Temple University (Philadelphia PA, USA); Advisor: Wei-Shih Yang.

Tewodros AMDEBERHAN (Male)

1997 (Ph.D.) Applications of the WZ Theory to Irrationality Proofs and Explicit Determinant Evaluations, Temple University (Philadelphia PA, USA); Advisor: Doron Zeilberger.

Negash BEGASHAW (Male)

1997 (Ph.D.) *Optimization Algorithms Based on Conic Approximations and Collinear Scalings*, Washington State University (USA); Advisor: Kuruppu Ariyawansa.

Melkamu ZELEKE (Male)

1998 (Ph.D.) *Discrete Radon Transform, Covering Congruences and Boolean Functions*, Temple University (Philadelphia PA, USA); Advisor: Doron Zeilberger.

Tsegaye Gedif AYELE (b. 05.01.1966) (Male)

1999 (Ph.D.) *About smoothness of solutions and conditions of localization for spectral decomposition of operators with constant coefficients*, Peoples' Friendship University (Moscow, Russia).

Selemon GETACHEW (Male)

2000 (Ph.D.) *Galois theory of polynomial iterates*, Brown University (Providence RI, USA); Advisor: Joseph H. Silverman.

Akalu TEFARA (b. 22.09.1969) (Male)

2000 (Ph.D.) *Improved Algorithms and Implementations in the Multi-WZ Theory*, Temple University (Philadelphia, USA); Advisor: Doron Zeilberger.

Dawit Wakjira ABERRA (Male)
2000 (Ph.D.) *The Reflection principle, the Schwarz Potential and Quadrature*, University of Arkansas (USA); Advisor: Dmitry S. Khavinson.

Mahlet Getachew TADESSE (b. 04.07.1975) (Female)
2002 (Sc.D.) *Bayesian Models for Gene Expression Analysis*, Harvard University (Boston MA, USA); Advisor: Joseph Ibrahim.

Zekarias BERHANE (Male)
2003 (Ph.D.) *Flexible Models for Recurrent Time to Event Data*, University of Pittsburgh (USA); Advisor: Lisa Weissfeld.

Assefaw Hadish GEBREMEDHIN (Male)
2003 (Dr.scient) *Practical Parallel Algorithms for Graph Coloring Problems in Numerical Optimization*, Universitetet i Bergen (Norway); Advisor: Fredrik Manne.

Mohammed TESEMMA (b. 1972) (Male)
2004 (Ph.D.) *Reflection groups and semigroup algebras in multiplicative invariant theory*, Temple University (Philadelphia PA, USA); Advisor: Martin Lorenz.

Gabon

Martin Ngu NDUMU (Male)
1989 (Ph.D.) *Brownian Motion and the Heat Kernel on Riemannian Manifolds*, University of Warwick (UK); Advisor: K. David Elworthy.

Guy Martial NKIET (b. 1966) (Male)
1994 (Doctorat unique) *Mesures d'association et analyse canonique* [Measures of association and canonical analysis], Université Paul Sabatier (Toulouse, France); Advisor: Jacques Dauxois.

Philibert NANG (b. 1967) (Male)
1996 (Doctorat unique) *D-modules holonomes réguliers associés au groupe des similitudes* [Regular holonomic D-modules associated to the group of similitudes], University of Paris 6 (France); Advisor: Louis Boutet de Monvel.

Jocelyn NEMBE (b. 1967) (Male)
1996 (Doctorat unique) *Estimation de la fonction d'intensité d'un processus ponctuel par la méthode de complexité minimale* [Minimum complexity estimation for the intensity function of a point process], Université Joseph Fourier (Grenoble, France); Advisor: Gérard Grégoire.

Ghana

Daniel Afedzi AKYEAMPONG (Male)

1966 (Ph.D.) *Applications of higher symmetry groups to particle physics*, University of London (UK); Advisors: Abdus Salam & Paul Matthews.

Atu Mensa TAYLOR (d. 1977) (Male)

1967 (D.Phil.) *Some Problems in Quantum Theory and its Classical Limit* University of Oxford (UK); Advisor: John Trevor Lewis.

Isaac Kwame DONTWI (b. 12.11.1957) (Male)

1989 (Ph.D.) *On the Oscillatory Regimes of Solutions of Differential Equations with (Distributions) Impulse Perturbations*, Odessa State University (Odessa, USSR); Advisor: David Cheban.

Sam OFORIO-NYARKO (Male)

1989 (Ph.D.) *Improved Estimation of the Covariance Matrix, the Precision Matrix and the Generalized Matrix*, Bowling Green State University (Ohio, USA); Advisor: Arjun Gupta.

Abdul-Aziz YAKUBU (Male)

1990 (Ph.D.) *Discrete time competitive systems*, North Carolina State University (NC, USA); Advisor: John Franke.

Nicholas Kumih OPPONG (Male)

1992 (Ph.D.) *Mathematics Generalizations Made by High School Students in Mathematics Problem Solving Sessions*, University of Georgia (Athens GA, USA); Advisor: Jim Wilson.

Evans K. AFENYA (Male)

1992 (Ph.D.) *Modeling Granulocytopoiesis, Normal and Leukemic States*, University of Illinois at Chicago (USA); Advisor: Calixto Calderón.

Joseph APALOO (Male)

1994 (Ph.D.) *A Mathematical Theory of Evolution of Ecological Communities*, University of Montana (Missoula Montana, USA); Advisor: Robert McKelvey.

Kossi Delali EDOH

1995 (Ph.D.) *Numerical Methods for the Computation of Invariant Tori*, Simon Fraser University (USA); Advisor: Robert Russell.

Francis BENYAH (Male)

1999 (Ph.D.) *An Investigation into Ill-Conditioning and Regularization of Optimal Control Computations*, The University of Western Australia (Perth, Australia); Advisor: L. S. Jennings.

Kwaku NYKI

1999 (Ph.D.) *An Integrated Growth and Yield Model for the Tropical High Forests of Ghana* University of Aberdeen (UK).

Kofi Dankwa ANIM-APPIAH (Male)

2000 (Ph.D.) *Interleaved Concatenated Coding for Input-Constrained Channels*, Georgia Institute of Technology (Atlanta GA, USA); Advisor: Steven McLaughlin.

Anthony Y. Aidoo (b. 1955) (Male)

2001 (Ph.D.) *Studies on a Prototype Channel Geometry for Acetylcholine Receptor Channel*, University of Vermont (Burlington, VT, USA); Advisor: Daniel Bentil.

Gabriel Bong-Baane AYINE (b. 01.01.1955) (Male)

2002 (Ph.D.) *Topics in the Differential Geometry of Supermanifolds*, Howard University (Washington D.C., USA); Advisors: Stanley Einstein-Matthews & Joshua Leslie.

Samuel Kwame AMPONSAH (b. 02.02.1963) (Male)

2003 (Ph.D.) *The Investigation of a Class of Capacitated Arc Routing Problems: Collection of Garbage in Developing Countries*, The University of Birmingham (Birmingham, UK); Advisor: Said Salhi.

Guinea Conakry

Mamadouba TOURÉ

1981 (Ph.D.) *Etude de quelques espaces modulaires définis par des fonctions dépendants d'un paramètre* [Study of some modular spaces defined by functions dependent on one parameter], Uniwersytet im Adama Mickiewicza (Pozna, Poland); Advisor: Julian Musielak.

Ibrahim Khalil KABA (Male)

2004 (Ph.D.) *A Numerical Method to Solve the Two-Step Parabolic Heat Transport Equations in a Microsphere Subjected to an Ultrafast Laser Pulse*, Louisiana Tech University (USA); Advisors: Weizhong Dai & Richard Greechie.

Kenya

George Kinuthia Kiarie SAITOTI (b. 1944) (Male)

1971 (Ph.D.) *Mod-2 K-Theory of the Second Iterated Loop Space on a Sphere*, University of Warwick (UK); Advisor: Luke Hodgkin.

John Nguthu MUTIO (Male)

1971 (Ph.D.) *Frobenius Groups*, Syracuse University (NY, USA); Advisor: Larry C. Grove.

Wandera OGANA (b. 05.1946) (Male)

1975 (Ph.D.) *Computation of steady two-dimensional transonic flows by an integral equation method*, Stanford University (CA, USA); Advisor: John R. Spreiter.

Jack Green OKECH (Male)

1978 (D.Ed.) *A comparative analysis of mathematical knowledge and mathematical attitude between urban Suburban elementary school teachers*, Texas Southern University (TX, USA).

Henry Amadalo MULINDI (Male)

1979 (D.Ed.) *Guidelines for pure and applied modern mathematics curriculum development for secondary schools in Kenya*, Columbia University (New York, USA).

Ingutia OKUTOYI (Male)

1984 (Ph.D.) *Extensions of Banach's theorem on reversible matrices*, University of Birmingham (UK);

1986 (Ph.D.) *On the spectrum of the cesaro operator*, Kenyatta University (Nairobi, Kenya).

John Nyamai MAUNDU (Male)

1986 *Student achievement in science and mathematics: a case study of extra-provincial and harambee secondary schools in Kenya*, McGill University (Canada).

Alego OTIENO

1987 (Ph.D.) *A study of junior secondary school pupils competence in selected processes of science*, Kenyatta University (Nairobi, Kenya).

Gerald N. KIMANI (Male)

1991 (Ph.D.) *A study of factors influencing achievement in mathematics among primary school in-service student teachers in Kenya*, Kenyatta University (Nairobi, Kenya).

Surindar Mohan UPPAL

1991 (Ph.D.) *A study of some differentiable manifolds*, Kenyatta University (Nairobi, Kenya).

Romanus Odhiambo OTIENO (Male)

1995 (Ph.D.) *Robust variance estimation for finite population sampling*, Kenyatta University (Nairobi, Kenya).

Ellam Khalagai WANJALA

1996 (Ph.D.) *Secondary school pupils errors in algebra and teacher strategies in identifying and counteracting the errors*, University of Leeds (UK).

Naftali OMOLO-ONGATI

1997 (Ph.D.) *Stability of Lie Groups of Nonlinear Hyperbolic Equations*, University of South Africa (Pretoria, South Africa); Advisor: Elemer Rosinger.

Charlie Frederick OBIMBO (Male)

2000 (Ph.D.) *Access Clause Trees in Disjunctive Deductive Databases*, University of New Brunswick (Canada); Advisor: Bruce Spencer.

Simon Meru RUKANGU (Male)

2000 (Ph.D.) *Pupils' development of spatial ability in mathematics: an issue of learning environment in selected secondary schools*, Kenyatta University (Nairobi, Kenya).

Patrick Guge Oloo WEKE (b. 28.12.1962) (Male)

2001 (Ph.D.) *Simplified Optimal and Relay Linear Unbiased Estimation of Parameters of Logistic Distribution*, Harbin Institute of Technology (Harbin, China); Advisors: Wang Chengguan & Wu Congxin.

Joseph L. AWANGE (Male)

2001 (Dr.-Ing.) *Gröbner Bases, Multipolynomial Resultants and the Gauss Jacobi Combinatorial Algorithms: Adjustment of Nonlinear GPS/LPS Observations*, Universität Stuttgart (Germany); Advisors: Erik Grafarend & Willi Freeden.

Mourice Ouma OTIENO (b. 09.02.1968) (Male)

2002 (Ph.D.) *On Quasi-affinity, Equivalence and Intersection of some Classes of Operators in Hilbert Spaces*, University of Nairobi (Kenya); Advisors: Jairus M. Khalagai & G. P. Pokhariyal.

Bennett OTIENO (Male)

2002 (Ph.D.) *An Alternative Measure of Preferred Direction for Circular Data*, Virginia Polytechnic Institute and State University (USA); Advisor: Christine Anderson-Cook.

Lesotho

Moshe MOLELEKOA (b. 1942) (Male)

1982 (Ph.D.) *Space-time symmetries of Yang-Mills gauge fields*, University of Washington (Seattle, Washington, USA); Advisors: Judith M. Arms & J. M. Westwater.

Lehana THABANE (Male)
1998 (Ph.D.) *Contributions to Bayesian Statistical Inference*, University of Western Ontario (London ON, Canada); Advisor: M. Haq.

Ntsibane Stephen NTLATLAPA (Male)
1999 (Ph.D.) *Verified High-Level Synthesis Front-End and Simulator Using Dependence Flow Graphs*, Auburn University (Alabama, USA); Advisor: Richard Chapman.

Thabiso NYABANYABA (b. 07.01.1961) (Male)
2002 (Ph.D.) *The ordinary level (O level) mathematics examination in Lesotho and the impact of recent trends on Basotho students' epistemological access*, University of the Witwatersrand (Johannesburg, South Africa); Advisor: Jill Adler.

Liberia

Mark Siafa KORLIE (b. 1962) (Male)
1996 (Ph.D) *Particle Modeling of Liquid Drop Formation on a Solid Surface in 3-D*, University of Texas (Arlington, USA); Adviser: Donald Greenspan.

Benedict NMAH (Male)
1997 (Ph.D.) *Optimizing Systems Reliability with Integer Programming*, New Mexico State University (USA); Advisor: Joaquin Loustaunau

David Thomas GAY (b. 08.03.1968) (Male)
1999 (Ph.D.) *Symplectic 4-Dimensional 2-Handles and Surgery along Transverse Knots*, University of California (Berkeley CA, USA); Advisor: Robion Kirby.

Madagascar

Arsène RAMAMONJISOA (Male)
1970 (Doctorat 3ème cycle) *Etudes sur l'analyse de variance multidimensionnelle : de la théorie aux applications*, Université Paul Sabatier (Toulouse, France).

Harisson RATSIMBA-RAJOHN (Male)
1981 (Doctorat 3ème cycle) *Etude de deux méthodes de mesures rationnelles : la commensuration et le fractionnement de l'unité, en vue d'élaboration de situations didactiques*, Université Bordeaux 1 (France); Advisor: Guy Brousseau.
1992 (Doctorat d'Université) *Contribution à l'étude de hiérarchie implicative. Application à l'analyse de la gestion didactique des phénomènes d'ostension et de contradictions* [Contribution to the study of implicative

hierarchy. Application to the analysis of didactic management of the phenomena of exposition and of contradiction], Université Rennes 1 (France); Advisors: Régis Gras & Guy Brousseau.

Farasololalao RAKOTOVOAVY

1983 (Doctorat 3ème cycle) *Difficultés linguistiques et pédagogiques soulevées par l'emploi, dans les textes mathématiques de certains adjectifs marqueurs de variance*, Université Paris VII (France).

André TOTOHASINA (Male)

1992 (Doctorat d'université) *Méthode implicative en analyse de données et application à l'analyse de conceptions d'étudiants sur la notion de probabilité conditionnelle*, Université Rennes I (France).

Benjamin RANDRIANIRINA (Male)

1998 (Ph.D.) *Combinatoire des systèmes d'équations différentielles et aux dérivées partielles*, Université de Quebec (Montreal, Canada); Advisors: Pierre Leroux & G. Labelle.

Fanja RAKOTONDRAJAO (b. 1969) (Female)

1999 (Doctorat 3ème cycle) *R-multipermutations hierarchisées et dérangements*, Université d'Antananarivo (Antananarivo, Madagascar); Advisor: Roberto Mantaci (Université Paris 7, France).

Malawi

Overtoun M. G. JENDA (b. 29.08.1954) (Male)

1981 (Ph.D.) *On Injective Resolvents*, University of Kentucky (USA); Advisor: Edgar Earl Enochs.

Busiso Pascal CHISALA (Male)

1986 (Ph.D.) *Canonical Coordinates for Hyperelliptic Curves in Characteristics P*, University of California (Berkeley CA, USA); Advisor: Arthur Ogus.

Llolsten KAONGA (b. 30.06.1957) (Male)

1994 (Ph.D.) *Decomposable Functions and Universal C*-Algebras*, University of New Hampshire (Durham NH, USA); Advisor: Donald Hadwin.

Jimmy Joseph Ipipi NAMANGALE (b. 01.06.1962) (Male)

1998 (Ph.D.) *Some contributions to queueing theory*, University of Sheffield (UK); Advisor: Damodar Shanbhag.

Willy MWAKAPENDA (b. 14.06.1966) (Male)

2000 (Ph.D.) *On using everyday experiences in teaching secondary mathematics in Malawi: Possibilities and constraints for change*, Deakin

University (Melbourne, Australia); Advisors: Susie Groves & Elizabeth Buckingham.

Eunice Gogo MPHAKO (b. 03.04.1968) (Female)
2001 (Ph.D.) *Tutte Polynomials, Chromatic Polynomials and Matroids*, Victoria University of Wellington (New Zealand); Advisor Geoff Whittle.

Eric Chester MWAMBENE (b. 21.03.1967) (Male)
2001 (Dr.rer.nat.) *Representing Graphs on Groupoids, Symmetry and Form*, University of Vienna (Austria); Advisor: Gert Sabidussi.

Mapundi Kondwani BANDA
2004 (Ph.D.) *Kinetic-Based Numerical Schemes in Fluid Dynamics*, Technische Universität Darmstadt (Germany); Advisor: Axel Klar.

Mali

Daouda SANGARE (b. 13.07.1943) (Male)
1977 (Doctorat d'état) *Sur la composition et l'extension des filtrations et pseudo-valuations* [On the composition and extension of filtrations and pseudo-valuations], Université de Caen (France); Advisor: Marc Krasner.

Saddo Ag ALMOULLOUD (Male)
1992 (Doctorat d'université) *L'ordinateur, outil d'aide à la démonstration et au traitement de données didactiques*, Université Rennes I (France).

Souleymane Ambogou GNELECOUMBAGA (Male)
1996 (Doctorat) *Asymptotic Analysis of the Problem of Contact of a Highly Conducting and Perforated Domains*, Université Jean Mottet (Saint-Etienne, France); Advisor: Grigori Panasenko.

Fadoulrahmane SEYDOU (b. 24.04.1968) (Male)
1996 (Ph.D.) *An inverse problem for electromagnetic waves in an inhomogeneous and orthotropic medium*, University of Delaware (USA).

Ibrahim COULIBALY (Male)
1997 (Doctorat) *Contributions à l'analyse numérique des méthodes quasi-Monte Carlo*, Université Joseph-Fourier (Grenoble, France); Advisor: Christian Lecot.

Djibrilla MOUSSA (b. 18.08.1966) (Male)
1999 (Doctorat 3ème cycle) *Test for equality of multivariate extreme value distribution parameters*, Université de Bamako (Mali); Advisor: Shi Daoji.

Aboubacar Bass BAGAYOGO (Male)
2001 (Ph.D.) *Generation de maillage de peau pour geometries complexes par decomposition spatiale hierarchique*, École Polytechnique (Montreal, Canada); Advisors: Ricardo Camarero & André Fortin.

Mauritania

El Khalil O. MOHAMDI (b. 31.12.1958) (Male)
1988 (Doctorat unique) *Elimination Réduite* [Reduced elimination], Université Louis Pasteur (Strasbourg, France); Advisor: J. P. Jouanolou.

Ould Ahmed Izid Bih ISSELKOU (b. 31.12.1961) (Male)
1991 (Doctorat unique) *Problèmes Semilinéaires Elliptiques dans des Domaines Bornés et non Bornés* [Existence and Nonexistence Results for Nonlinear Elliptic Problems on Bounded and Unbounded Domains], Université d'Orléans (France); Advisor: Alice Simon.

Sid'Ahmed Ahmed LESSIAD (b.31/12/1964) (Male)
1997 (Doctorat 3ème cycle) *Quantification par déformations des structures de Poisson quadratiques en dimensions 3 et 4* [Deformations Quantization of quadratic Poisson structures in dimensions 3 and 4], Faculté des Sciences Semlalia (Marrakech, Morocco); Advisor: Thami Az-Eddine.

Khalil EL MEHDI (b. 20.12.1967) (Male)
1998 (Ph.D.) *Sur un problème de type Yamabe: L'effet topologique des points critiques à l'infini* [On a Yamabe type problem: The topological effect of critical points at infinity], Université Tunis II (Tunisia); Advisor: Abbas Bahri (Rutgers University, New Jersey, USA).

Mohamed Lemine OULD SALIHI (Male)
1998 (Doctorat) *Couplage de méthodes numériques en simulation directe d'écoulements incompressibles*, Université Joseph-Fourier (Grenoble, France); Advisor Georges-Henri Cottet.

Toka DIAGANA (b. 27.12.1967) (Male)
1999 (Doctorat unique) *Sommes d'opérateurs et conjecture de Kato-McIntosh* [Sums of Linear Operators and Kato-McIntosh's Conjecture], Université Claude Bernard - Lyon 1 (France); Advisor: J. B. Baillon.

Mauritius

Chan Feng CHAN MAN FONG (b. 19.06.1938) (Male)

1965 (Ph.D.) *Some stability problems in the theory of flow of elastico-viscous liquids*, University of Wales (Aberystwyth, UK); Advisors: T.V. Davies & K. Walters.

Aman Kumar MAULLOO (b. 15.12.1967) (Male)

2000 (Ph.D.) *Stability of Communication Networks*, University of Cambridge (UK) & University of Mauritius (Mauritius); Advisor: F. P. Kelly (University of Cambridge).

Morocco

Nouzha EL YACOUBI (b. 24.04.1950) (Female)

1978 (Doctorat 3ème cycle) *Sur les Modules Topologiques et Bornologiques* [On topological and bornological modules], Université de Rabat (Morocco); Mohamed Akkar.

1995 (Doctorat d'état) *Sur les Algèbres Topologiques non Associatives* [On non-associative topological algebras], Université de Rabat (Morocco); Advisor: Mohamed Akkar.

Habiba EL BOUAZZAOUI (Female)

1982 (Doctorat 3ème cycle) *Etude de situations scolaires des premiers enseignements du nombre et de la numération. Relations entre divers caractères de ses situations et le sens, la compréhension de l'apprentissage de ces notions* [Study of school situations of the first teaching of number and numeration. Relationships between diverse characters of these situations and the meaning, the understanding of the learning of these notions]. Université Bordeaux 1 (France); Advisor: Guy Brousseau.

1988 (Ph.D.) *Conceptions des élèves et des professeurs a propos de la notion de continuité d'une fonction* [Pupils' and teachers' conceptions concerning the notion of continuity of a function], Université Laval (Québec, Canada); Advisors: Claude Gaulin & Guy Brousseau.

Bahija EL BAROUDI (Female)

1985 (Doctorat 3ème cycle) *Bifurcations de codimension 1 et 2 pour un système différentiel autonome de R^3 à non linéarité quadratique*, Université Paul Sabatier (Toulouse, France).

Driss ESSELAOUI (Male)

1986 (Ph.D.) *Méthodes numériques pour la simulation d'écoulements viscoélastiques*, Université Laval (Quebec, Canada); Advisor: Michel Fortin.

Ali SOUSSI

1987 (Ph.D.) *Quelques problèmes d'optimisation de formes en hydrodynamique*, Université Laval (Quebec, Canada); Advisor: Michel Fortin.

Benyounes BEMMOUNA

1987 (Ph.D.) *Étude des conduites métacognitives d'élèves marocains du secondaire en relation avec la résolution de problèmes mathématiques*, Université Laval (Quebec, Canada).

Ahmed LAKRAMTI (Male)

1987 (Ph.D.) *Difficultés d'apprentissage en mathématiques, qui sont en relation avec différents aspects de la langue d'enseignement (l'Arabe) au Maroc*, Université Laval (Quebec, Canada).

Mohamed ABALLAGH (Male)

1988 (Doctorat) *Raf al-Hijab d'Ibn al-Banna (critical edition, French translation, philosophical study and mathematical analysis)*, Université Paris I - Panthéon-Sorbonne (France).

Mohammed Ali BENMAKHOUF (Male)

1990 (Ph.D.) *Frege, présupposition et rédondance*, Université de Paris X-Nanterre (France).

Kacem KHOUK

1992 (Doctorat d'état) *Contribution à l'étude du comportement asymptotique d'équations différentielles et de diffusion réaction à retard*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Ovide Arino.

Hamad TALIBI

1992 (Doctorat 3ème cycle) *Contribution à l'étude du problème de bifurcation de Hopf locale dans le cadre des équations différentielles avec retard*, Université Mohammed V -Agdal (Rabat, Morocco); Advisor: Ovide Arino.

Khalid RIFI

1993 (Docteur en sciences) *Bornes de Berry-Esséen pour les statistiques de rangs sérielles*, Université Libre de Bruxelles (Brussels, Belgium); Advisor: Marc Hallin.

Kamal BENCHEKROUN (Male)

1993 (Ph.D.) *Association-balanced arrays with applications to experimental design*, University of North Carolina (USA); Advisor: I. M. Chakravarti.

Abdallah HACHIMI (Male)

1994 (Doctorat 3ème cycle) *Contribution à l'étude des modèles à non linéarité homogène de la dynamique de population*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: Ovide Arino.

Boujemâa ACHCHAB

1995 (Doctorat) *Estimations d'erreur a posteriori, élément finis mixtes, méthodes de stabilisation et méthodes multiniveaux* Université Claude Bernard - Lyon 1 (France); Advisors: Jacques Baranger & Jean-François Maitre.

Brahim SADIK

1995 (Ph.D.) *Contribution à l'étude de la complexité; du calcul d'un ensemble caractéristique en algèbre différentielle*, Université Cadi Ayyad (Marrakech, Morocco); Advisors: Abdelilah Kandri-Rody & François Ollivier.

Mohammed BAHRA (Male)

1995 (Doctorat d'Université). *Problèmes de didactique de la numération; échecs et succès de la re-mathématisation* [Problems of the didactics of numeration; failures and successes of re-mathematisation], Université Bordeaux 1 (France); Advisor: Guy Brousseau.

Mohammed KHALADI

1996 (Doctorat d'état) *Contribution à la modélisation et à l'étude mathématique de problèmes de dynamique de population*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: Ovide Arino.

Azeddine RAMZI

1996 (Doctorat 3ème cycle) *Contribution à l'étude mathématique d'équations à mémoire modélisant des problèmes de ressources renouvelables*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: Ovide Arino.

Lahoucine IZELGUE

1997 (Ph.D.) *Spectra and Factorization in Pullbacks Arising from Integral Domains. Contribution to the Study of the Dimension of Integer-Valued Polynomial Rings*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj.

Driss Nour EL-ABIDINE

1997 (Ph.D.) *Contribution to the Study of Nagata & Kaplansky's Ideal Transforms, Class Groups, and Factorization Properties in Integral Commutative Rings*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj.

Abdellatif KOUKKOUS (Male)

1997 (Doctorat) *Comportement hydrodynamique de différents processus de zero range*, Université de Rouen (France); Advisors: Cláudio Landim & Ellen Saada.

Mohamed BOUATOU (Male)

1997 (Doctorat) *Estimation non linéaire par ondelettes : régression et survie*, Université Joseph-Fourier (Grenoble, France); Advisor: Anestis Antoniadis.

Nekhlaoui LAHCEN

1998 (Doctorat 3ème cycle) *Dimension de Gelfand-Kirillov d'une extension de Ore, Formule de Tauvel et caténarité*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: El Youssef.

El Mghari Idrissi LARBI

1998 (Doctorat 3ème cycle) *Décomposition primaire dans les anneaux noethériens non commutatifs*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: El Youssef.

Aissam NABIL

1998 (Doctorat) *Homogénéisation de l'équation de la chaleur et des ondes et application à la contrôlabilité approchée*, Université de Rouen (France); Advisor: Patrizia Donato.

Mostafa ADIMY (Male)

1999 (Habilitation) *Semi-groupes intégrés et équations aux dérivées partielles non locales en temps*, Université de Pau et des Pays de l'Adour (France); Advisor: Ovide Arino.

Abdelaziz SOUFYANE (Male)

1999 (Doctorat) *Stabilisation dynamique et Approximation numérique du problème de contrôle*, Université de Besançon (France).

Amal MELLOUK

1999 (D.Sc.) *Statistiques de rangs et polynômes de Bernstein*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Khalid Rifi.

Salaheddine AJI

2000 (D.Sc.) *Méthodes probabilistes pour une classification optimale d'un tableau de données*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Khalid Rifi.

Mounir AOUT (Male)

2000 (Ph.D.) *Branching Processes Cell Population Models*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisors: Laheen Omari & Ziad Taib.

Abdelali KAAOUACHI

2000 (Ph.D.) *Estimation non paramétrique basé sur les rangs pour les modèles ARMA*, Université Mohammed I (Oujda, Morocco); Advisor: Jelloul Allal.

Youssef LOUKILI (Male)

2000 (Ph.D.) *Modeling by Hybrid Mixed Finite Volume Elements of Groundwater Flows and Pollutant Transport in Porous Reservoirs*, Université Ibn Tofail (Morocco); Advisor: Driss Esselaoui.

Akka ZEMMARI (Male)

2000 (Ph.D.) *Contribution à l'analyse d'algorithmes distribués*, Université Bordeaux 1 (France); Advisors: Nasser Saheb & Boas Erez.

Samir BOUCHIBA (Male)

2001 (Ph.D.) *Prime Spectra and Dimension Theory in Tensor Products of Commutative Algebras*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj.

Khalid BOUSHABA

2001 (Ph.D.) *Mathematical Modeling of Oceanic Plankton*, Université Cadi Ayyad (Marrakech, Morocco); Advisors: Mohamed Khaladi & Ovide Arino.

Hassane BOUZAHIR

2001 (Ph.D.) *Contribution à l'Etude des Aspects Qualitatif et Quantitatif pour une Classe d'Equations Différentielles à Retard Infini, en Dimension Infinie*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: Khalil Ezzinbi.

El Mokhtar CHIKHI

2001 (D.Sc.) *Développement asymptotique pour les statistiques de rangs linéaires sérielles*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Khalid Rifi.

Said El BAGHDADI

2001 (Doctorat d'état) *Class Groups and Homogeneous Class Groups of Pullbacks and Graded Integral Domains. On a Class of Prüfer v-Multiplication Domains*, Université Cadi Ayyad (Marrakech, Morocco); Advisor: Salah-Eddine Kabbaj.

Mohammed KHALIS (Male)

2001 (Ph.D.) *Spectra of Power Series Rings over Pullbacks and of Constructions of the Form $A+XB[[X]]$. On the Class Group of Pullbacks*

and t-Dimension of Certain Integral Domains, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj.

Lahcen LAAYOUNI

2001 (Ph.D.) *Adaptativite en elements finis et methodes*, Université Mohammed V - Agdal (Rabat, Morocco); Advisors: Ali Souissi & Boujemâa Achchab.

Najib MAHDOU

2001 (Ph.D.) *Classes of Pulbacks and Trivial Ring Extensions Defined by Homological Conditions*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj.

Abdeslam MIMOUNI

2001 (Ph.D.) *Dual of an Ideal, Trace Properties, and Star-Operations in Integral Domains*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Salah-Eddine Kabbaj

El Hachmi HAMMOU

2002 (D.Sc.) *Développements d'Edgeworth pour les statistiques de rangs sérielles signés* Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Khalid Rifi.

M'Hamed KADRI

2002 (D.Sc.) *Comportement asymptotique des statistiques sérielles de rangs signés*, Université Sidi Mohamed ben Abdellah (Fez, Morocco); Advisor: Khalid Rifi.

Abdelaziz CHETOUANI (Male)

2003 (Ph.D.) *Etude numérique de problèmes nonlinéaires avec conditions aux bords non standards et applications*, Université Mohammed I (Oujda, Morocco); Advisor: Abdesslam Boutayeb.

Said El MELHAOUI

2003 (Ph.D.) *Contribution à la resolution de problèmes de tests d'hypothèses paramétriques et non paramétriques dans quelques modèles de séries temporelles*, Université Mohammed I (Oujda, Morocco); Advisor: Jelloul Allal.

Abdelmounim BELAHMIDI

2003 (Doctorat) *Equations aux dérivées partielles appliquées à la restauration et à l'agrandissement des images*, Université Paris Dauphine (France); Advisor: Antonin Chambolle.

Abdelaati DAOUIA

2003 (Doctorat d'université) *Analyse non paramétrique des frontières de production et des mesures d'efficacité à l'aide de quantiles conditionnels non standards*, Université Paul Sabatier (Toulouse, France); Advisors: Yves Aragon & Christine Thomas-Agnan.

M'barek ADIOUI (Male)

2004 (Doctorat) *Modélisation et étude mathématique et informatique de comportements collectifs. Alignement dans un banc de poissons*, Université Denis Diderot (Paris, France); Advisors: Khashayar Pakdaman & Hassan Hbib.

Mozambique

Paulus GERDES (b. 11.11.1952) (Male)

1986 (Dr.phil.) *Zum erwachenden geometrischen Denken* [On the awakening of geometrical thinking], PH Dresden (Dresden, Germany); Advisor: Heiner Meyer.

1996 (Dr.rer.nat.habil.) *Sona Geometrie – Reflektionen über eine Sandzeichentradition im südlichen Zentralafrika* [Sona Geometry – Reflections on a Sand Drawing Tradition in Southern Central Africa], Wuppertal University (Wuppertal, Germany).

Manuel Joaquim ALVES (b. 30.6.1963) (Male)

1999 (Ph.D.) *Singular Functional Differential Equations of Second Order* (in Russian), Perm State Technical University (Perm, Russia); Advisor: Nikolay Azbelev.

João Sebastião Paulo MUNEMBE (b. 22.06.1962) (Male)

2000 (Ph.D.) *Constructive Study of Asymptotic Properties of Solutions to Differential Delay Systems with Periodic Parameters* (in Russian), Perm State Technical University (Perm, Russia); Advisor: Vladimir Petrovich Maksimov.

Sarifa Abdul FAGILDE (nee MAGIDE) (b. 20.05.1959) (Female)

2002 (Ph.D.) *Towards a characterisation of communication and gender patterns in secondary mathematics classrooms in Mozambique*, University of the Western Cape (Bellville, South Africa); Advisors: Cyril Julie (South Africa) & Maria Luiza Cestari (Norway).

Abdulcarimo ISMAEL (b. 01.03.1962) (Male)

2002 (Ph.D.) *An ethnomathematical study of Tchadji – about a Mancala type board game played in Mozambique and possibilities for its use in Mathematics Education*, University of the Witwatersrand (Johannesburg, South Africa); Advisors: Paul Laridon (South Africa) & Paulus Gerdes (Mozambique).

Marcos CHERINDA (b. 26.02.1963) (Male)

2002 (Ph.D.) *The use of a cultural activity in the teaching and learning of mathematics: The exploration of twill weaving in Mozambican classrooms*, University of the Witwatersrand (Johannesburg, South Africa), Advisors: Paul Laridon (South Africa) & Paulus Gerdes (Mozambique).

Bhangy CASSY (b. 17.09.1959) (Male)

2003 (Ph.D.) *Effect of classroom interaction and gender on mathematics performance and attitudes toward mathematics of secondary pupils in Mozambique*, University of the Witwatersrand (Johannesburg, South Africa), Advisor: Peter Fridjhon.

José João MIGUEL (b. 12.01.1967) (Male)

2003 (Ph.D.) *Mathematical models with after-effect in population dynamics*, Agricultural University of Norway (Aas, Norway); Advisors: Arkadi Ponossov & Andrei Shindapin.

Evaristo Domingos UAILA (b. 23.02.1967) (Male)

2004 (D.Ed.) *Geometria e autonomia: um estudo dos programas, dos discursos dos professores e das práticas curriculares na Cidade da Beira, Moçambique* [Geometry and autonomy: a study of programmes, of teachers' discourses and of curricular practices in the city of Beira, Mozambique], Pontifícia Universidade Católica de São Paulo (Brazil); Advisors: Fernando José de Almeida (Brazil) & Rachael E. Thompson (Mozambique).

John Manuel FRANCISCO (b. 22.03.1967) (Male)

2004 (Ph.D.) *Students' reflections on mathematical learning: results from a longitudinal study*, Rutgers University (New Brunswick, NJ, USA); Advisor: Carolyn A. Maher.

Jan DRAISMA (b. 09.07.1944) (Male)

2005 (Ph.D.) *Teaching gesture and oral computation in Mozambique: four case studies*, Monash University (Clayton, Victoria, Australia); Advisors: Alan Bishop & Barbara Clarke.

Niger

Issoufou KOUADA (Male)

1975 (Ph.D.) *Linear Vector Maximization*, Rensselaer Polytechnic Institute; Advisor: Joseph Ecker.

Moumouni Kane AÏSSATA

1983 (Doctorat 3ème cycle) *Étude de quelques problèmes pédagogiques et linguistiques concernant l'enseignement des mathématiques au Niger*, Université Paris VII (France).

Beidi Soumana HAMMA (b. 01.01.1961) (Male)

1992 (Ph.D) *Méthodes Numériques d'Optimisation Globale* [Numerical Methods of global optimisation], Université Paul Sabatier (Toulouse, France); Advisor: Jean-Baptiste Hiriart-Urruty.

Aboubakar MAITOURNAM (b. 12.12.1966) (Male)

1999 (Doctorat) *Modélisation de niveaux de gris de mammographies numérisées et détection de microcalcifications* [Modelling of digitized mammographies grey levels and microcalcifications detection], Université de Paris 5 (France); Advisor: Christine Graffigne.

Abdoua TCHOUSSO (b. 01.01.1966) (Male)

2004 (Doctorat unique) *Etude de la stabilité asymptotique de quelques modèles de transfert* [On asymptotic stability of some models of heat] Université Claude Bernard - Lyon I (France); Advisors: Hamidou Touré & Cheng-Zhong Xu.