

**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 30.3**

**AMUCHMA 30 (CONTINUED)**  
**Nigeria**

Chike Edozien Umuezei OBI (b. 21.04.1921) (Male)  
1950 (Ph.D.) *Periodic Solutions of Non-linear Differential Equations of Second Order*, University of Cambridge (Cambridge, UK); Advisors: Mary Lucy Cartwright & J. E. Littlewood.

Adegoke OLUBUMMO (19.04.1923 – 26.10.1992) (Male)  
1955 (Ph.D.) *Studies in the Theory of Linear Spaces*, University of Durham (Castle-Upon-Tyne, UK); Advisor: Werner Rogosinski.

James Okoye Chucuka EZEILO (Male)  
1959 (Ph.D.) *Some topics in the theory of non-linear differential equations of the third order*, University of Cambridge (Cambridge, England UK).  
1989 (D.Sc. honoris causa), University of Maiduguri (Nigeria)  
1995 (D.tech. honoris causa), Federal University of Technology (Akure, Nigeria)  
1996 (D.Sc. honoris causa), University of Nigeria (Nsukka, Nigeria).

Victor Omololu OLUNLOYO (Male)  
1961 (Ph.D.) *On the Numerical Determination of the Solutions of Eigenvalue Problems of the Sturm-Liouville Type*, University of St. Andrews (Aberdeen, UK).

Chukuka OKONJO (b. 1928) (Male)  
1962 (Dr.rer.nat.) *Über stationäre Null-Eins-Prozesse* [About stationary 0-1-processes], Universität zu Köln (Germany); Advisors: Ewald Burger & Johann Pfanzagl.

Alexander Obiefoka Enukora ANIMALU (b. 28.08.1938) (Male)  
1965 (Ph.D.) *Model Potential in Solids*, University of Ibadan (Nigeria); Advisor: Volker Heine.

Sunday Osarumwense IYAHEN (b. 03.10.1937) (Male)  
1967 (Ph.D.) *On certain classes of linear topological spaces*, University of Keele (UK); Advisor: Alexander Robertson.  
1987 (D.Sc.) University of Keele (UK).

Boniface EKE (b. 06.06.1933) (Male)  
1969 (Ph.D.) *Structure of Inseparable Composites*, Iowa State University (USA); Advisor: Bernard Vinograd.

Jekeri Okee

1970 (Ph.D.) *Untersuchungen über den einstelligen intuitionistischen Prädikatenkalkül der ersten Stufe*, Humboldt-Universität (Berlin, Germany); Advisor: Karl Schröter.

Aderemi Oluyomi KUKU (b. 20.03.1941) (Male)

1971 (Ph.D.) *On the Whitehead group of  $p$ -adic integral group-rings of finite  $p$ -groups*, University of Ibadan (Nigeria); Advisor: Hyman Bass.

Olusola AKINYELE (b. 11.05.1944) (Male)

1971 (Ph.D.) *Studies in Abstract Harmonic Analysis on Semigroups*, University of Ibadan (Nigeria), Advisor: Adegoke Olubummo.

Hezekiah Oduoye ADEYEMI

1971 (Ph.D.) *Capacity Regions for Two-Way Channels*, University of California (Berkeley CA, USA); Advisor: David Blackwell.

Ethelbert Nwakuche CHUKWU (b. 22.11.1940) (Male)

1972 (Ph.D.) *Symmetries and Identification of Linear Control Systems*, Case Western Reserve University (Cleveland, Ohio, USA); Advisor: Otomar Hájek.

Christopher Olutunde IMORU (Male)

1972 (Ph.D.) *The Jensen-Steffensen Inequality*, Northwestern University (Evanton, Illinois, USA); Advisor: Ralph P. Boas Jr.

Samuel A. ILORI (b. 11.01.1945) (Male)

1972 (Ph.D.) *Some problems in the theory of flag manifolds and flag bundles*, University of Oxford (UK); Advisor: Aubrey W. Ingleton

Kevin Ejere OSONDU (Male)

1974 (Ph.D.) *A Unified Theory of Extension of Bins to Semigroups and of Semigroups to Groups*; State University of New York (Buffalo NY, USA); Advisor: Dov Tamari.

Bola O. BALOGUN (b. 1943) (Male)

1975 (Ph.D.) *Some problems in Group Theory*, University of California (Los Angeles CA, USA); Advisor: E.G. Straus.

Godwin Osakpemwoya Samuel EKHAGUERE (Male)

1976 (Ph.D.) *A Markov Property for Multicomponent Euclidean Coariant Gaussian Generalized Stochastic Fields*, University of London (UK); Advisor: Raymond Frederick Streater.

David Olarewaju OJI AGUNWI (Male)

1981 (Ph.D.) *Bifurcation and Stability of Propagating Oscillatory Flames*; Northwestern University (Evanton, Illinois, USA); Advisor: Bernard Matkowsky.

Olawoye Soladoye ADEGOYE

1981 (Ph.D.) *On Testing against Restricted Alternatives in Gaussian Models*, Bowling Green State University (Ohio, USA); Advisor: Arjun Gupta.

Victoria Wilson INYANG (Female)

1984 (Ph.D.) *Uniserial Space Groups*, University of London (UK); Advisor: Susan McKay.

Peter Adewumi OSANAIYE (Male)

1984 (Ph.D.) *Quality Assurance in Sequences of Batches with Varying Quality*, University of Essex (UK).

Charles Ejike CHIDUME (Male)

1985 (Ph.D.) *Iterative Methods and Nonlinear Functional Equations*, Ohio State University (USA); Advisor William Jay Davis.

George Emese OKECHA (b. 04.04.1949) (Male)

1986 (Ph.D.) *Numerical quadrature of singular and non-singular integrals*, University of Bradford (Bradford, England); Advisor: David Hunter.

M. ODIOWEI

1986 (Ph.D.) *Complex Arithmetic Methods for Second Order Systems* University of Manchester (UK); Advisors: Ian Gladwell & I. M. Smith.

Adewale Roland Tunde SOLARIN (b. 05.04.1954) (Male)

1987 (Ph.D.) *On finite Bol loops*, Obafemi Awolowo University (Ile-Ife, Nigeria); Advisor: Bhagirath Lal Sharma.

Uyammadu MBANEFO (Male)

1987 (Ph.D.) *Mixed Boundary-Value Problems of Stress Singularities in the Neighbourhood of a Fractured and Debonded Fibre Embedded in an Infinite Elastic Matrix*, University of California (Berkeley CA, USA); Advisors: Jerrold Marsden & R. Westman.

Sani I. DOGUWA

1988 (Ph.D.) *Statistical analysis of mapped spatial point patterns*, University of Essex (UK); Advisor: Graham Upton.

Anthony Nnemeka EKE (b. 12.02.1949) (Male)

1990 (Ph.D.) *Contributions to Nonlinear Functional Differential Equations*, University of Nigeria (Nsukka, Nigeria); Advisors: C. E. Chidume & James O. C. Ezeilo.

Livinus Ugochukwu UKO (b. 24.06.1960) (Male)  
1990 (Ph.D.) *Numerical solution of variational inequalities* (in Italian),  
Universita degli studi di Milano (Milan, Italy); Advisor: Claudio  
Baiocchi.

Peter Bamidele SHOLA (Male)  
1990 (Ph.D.) *Numerical solution of a free-boundary viscous flow*, University  
of Essex (UK).

Yewande OLUBUMMO (b. 08.02.1960) (Female)  
1991 (Ph.D.) *Measures on empirical logics and the properties of their  
associated dual Banach spaces*, University of Massachusetts (Amherst,  
USA); Advisor: Thurlow Cook.

Adebisi AGBOOLA (b. 11.08.1964) (Male)  
1991 (Ph.D.) *Abelian Varieties and Galois Module Structure in Global Fields*,  
Columbia University (New York, USA); Advisor: Ted Chinburg.

Broderick O. OLUYEDE  
1991 (Ph.D.) *Dependence of Bivariate Random Variables and Testing  
Dependency in Ordinal Contingency Tables*, Bowling Green State  
University (Ohio, USA); Advisor: Truc Nguyen.

Daniel Irowa OKUNBOR (Male)  
1992 (Ph.D.) *Canonical Integration Methods for Hamiltonian systems*,  
University of Illinois (Champaign-Urbane IL, USA); Advisor: Robert D.  
Steel.

Abba B. GUMEL (b. 1966) (Male)  
1993 (Ph.D.) *Parallel and sequential algorithms for second-order parabolic  
equations with applications*, Brunel University (UK).

Edima Okon OKU-UKPONG  
1994 (Ph.D.) *Solutions of Non-Newtonian Flow Problems*, University of  
Windsor (Canada); Advisor: Om Chandna.

Nkechi Madonna Adeleine AGWU (b. 10.08.1962) (Female)  
1995 (Ph.D.) *Using a Computer Laboratory Setting to Teach College Calculus*,  
Syracuse University (New York, USA); Advisor: Howard Johnson.

Oluwole Daniel MAKINDE (b. 12.12.1967) (Male)  
1996 (Ph.D.) *Laminar Flow in Channels and Tubes of Varying Cross-Section*,  
University of Bristol (Bristol, United Kingdom); Advisor: P. G. Drazin.

Ninuola Ifeoluwa AKINWANDE (b. 22.01.1959) (Male)

1997 (Ph.D.) *A deterministic mathematical model of yellow fever disease dynamics*, University of Ibadan (Nigeria); Advisor: C. O. A. Sowunmi.

Godwin Christopher Ezike MBAH (b. 27.06.1962) (Male)

1998 (Ph.D.) *Mathematical Modelling on the Control of Glucose/Insulin Concentrations in the blood of an insulin-dependent diabetic subject*, University of Nigeria (Nsukka, Nigeria); Advisor: John Chukwuemeka Amazigo.

Ezekiel Olusola AYOOLA (b. 26.09.1958) (Male)

1999 (Ph.D.) *On numerical procedures for solving Lipschitzian quantum stochastic differential equations*, University of Ibadan (Nigeria); Advisor: G. O. S. Ekhaguere.

Michael A. ALAWODE (Male)

1999 *On the units of Burnside rings of some finite groups*, University of Ibadan (Nigeria); Advisor: A. O. Kuku.

Olusola Clement IDOWU (b. 23.04.1970) (Male)

2000 (Ph.D.) *Simulations of acoustic turbulence and dynamic action in irrotational flows*, University of Newcastle (UK); Advisor: David Samuel.

James Adedayo OGUNTUASE (Male)

2001 (Ph.D.) *On weighted norm inequalities for a certain class of integral operators*, Obafemi Awolowo University (Ile-Ife, Nigeria); Advisor: Christopher Olutunde Imoru.

Ayokunle Oladipo AWOSANYA

2001 (Ph.D.) *Using History in the Teaching of Mathematics*, Florida State University (USA); Advisor: Elizabeth Jakubowski.

John Olusola ADENIRAN (27.06.1969) (Male)

2002 (Ph.D.) *The study of certain classes of loops via their Bryant-Schneider groups*, University of Agriculture (Abeokuta, Nigeria); Advisor: Adewale Roland Tunde Solarin.

Folake Oyedigba AKINPELU (b. 14.09.1963) (Female)

2003 (Ph.D.) *In the response of Euler-Bernoulli beam with an attached mass to uniform partially distributed moving mass*, University of Ilorin (Kwara state, Nigeria); Advisor J. A. Gbadeyan.

Sammani Danwawu ABDULLAHI (b. 01.08.1969)

2003 (Ph.D.) *Vertex Enumeration and Counting for Certain Classes of Polyhedra*, University of Leeds (UK); Advisors: L. G. Proll & Martin Dver.

Isaac Atanda ADETUNDE (b. 31.05.1965) (Male)  
2003 (Ph.D.) *Dynamic Analysis of raleigh Beams carrying an added mass and traversed by uniform partially distributed moving loads*, University of Ilorin (Nigeria).

Franklin Olusodayo OGUNFIDITIMI (b. 10.08.1960) (Male)  
2004 (Ph.D.) *New fixed point iteration methods for the solution of boundary value problems*, Federal University of Technology (Minna, Nigeria); Advisor: K. R. Adeboye.

### Rwanda

Augustin BANYAGA (b. 31.03.1947) (Male)  
1976 (Docteur es Sciences Mathématiques) *Sur la structure des groupes de difféomorphismes qui préservent une forme symplectique ou une forme de contact régulière* [On the structure of the groups of diffeomorphisms preserving a symplectic form or a regular contact form], Université de Génève (Geneva, Switzerland); Advisor: André Haefliger.

Alphonse IYAMUREMYE  
1986 (Ph.D.) *Théorie des Fredholm et de Riesz dans les algèbres de Banach*, Université Laval (Sainte-Foy, Quebec, Canada); Advisor: B. Aupetit.

Désiré KARANGWA (b. 1952) (Male)  
1988 (Doctorat) *Une étude analytique sur le comportement à longue terme du système Galiléen de Jupiter* [An analytical study of the longterm behaviour of the Galilean system of Jupiter], Université de Namur (Belgium).

Philippe RUKIMBIRA (b. 07.05.1960) (Male)  
1991 (Ph.D.) *Some Properties of Almost Contact Flows*, Pennsylvania State University (University Park, Pennsylvania, USA), Advisor: Augustin Banyaga.

Jean-Baptiste GATSINZI (b. 24.05.1963) (Male)  
1993 (Doctorat) *Sur l'espace classifiant les fibrations de fibre donnée* (Homotopy type of classifying spaces), Université Catholique de Louvain (Louvain-La-Neuve, Belgium); Advisor: Yves Felix.

Issa KAGABO (b. 1967) (Male)  
1998 (Ph.D.) *Contribution à la résolution du problème de transport continu* [Contribution to the solution of the continuous transport problem], Université de Montréal (Canada); Advisor: Serge Dubuc.

René-Michel SHUMBUSHO (Male)

2004 (Ph.D.) *Elliptic Curves with Prime Conductor and a Conjecture of Cremona*, University of Georgia (Athens GA, USA); Advisor: Dino Lorenzini.

## Senegal

Galaye DIA (Male)

1977 (Doctorat 3ème cycle) *Closed convex bounded valued integrals*, Université de Dakar (Senegal); Advisor: Doudou Sakhir Thiam.

1986 (Doctorat d'état) [Order Statistics on the point Process. Estimation of the regression], Université Pierre et Marie Curie (Paris, France); Advisor: Jean Geffroy.

Mary Teuw NIANE (b. 15.07.1954) (Male)

1984 (Doctorat 3ème cycle) *Approximation polyédrale d'une fonction convexe SCI et Application à l'optimisation vectorielle* [Polyhedral approximation of a convex function SCI and application to vector optimisation], Université Cheik Anta Diop (Dakar, Senegal); Advisor: Doudou Sakhir Thiam.

1990 (Doctorat unique) *Régularité et contrôlabilité exacte de l'équation des plaques vibrantes dans un domaine polygonal* [Regularity and exact controllability of the equation of vibrating sheets in a polygonal domain], Université de Nice-Sophia-Antipolis (Nice, France); Advisor: Pierre Grisvard.

1990 (Doctorat d'état) *Régularité, contrôlabilité exacte et contrôlabilité spectrale de l'équation des ondes et de l'équation des plaques vibrantes* [Regularity, exact controllability and spectral controllability of the wave equation and the equation of vibrating sheets], Université Cheik Anta Diop (Dakar, Senegal); Advisor: Pierre Grisvard.

Gane Samb LO (Male)

1986 (Doctorat unique) *On some estimators of the index of the Paretolaw and limit theorems for extreme value sums*, Université Pierre et Marie Curie (Paris, France); Advisor: Paul Deheuvels.

1991 (Doctorat d'état) *Caractérisation empirique, des extrêmes et questions statistiques liées* [Empirical characterisation, extremes and related statistical questions], Université Cheik Anta Diop (Dakar, Senegal); Advisor: Paul Deheuvels.

Abdoulaye Elimane KANE (b. 1943) (Male)

1987 (Doctorat d'état) *Les systèmes de numération parlée des groupes ouest-atlantiques et Mandé. Contribution à la recherche sur les fondements et l'histoire de la pensée logique et mathématique en Afrique de l'Ouest* [The spoken numeration systems of the West-Atlantic groups and the Mande. Contribution to the research on the foundations and the history

of logical and mathematical thought in West Africa], Université de Lille III (France).

Ousmane Wora DIALLO (Male)

1988 (Ph.D.) *Methods in Functional Analysis in the Theory of Barbashin Linear Integro-Differential Equations*, Minsk State University (Byelorussia); Advisor: Petr Zabreiko.

Aboubakary DIAKHABY (Male)

1992 (Doctorat 3ème cycle) *Estimation de la densité et de la régression dans les processus ponctuels chromatiques* [Estimation of the density and the regression in chromatic punctual processes], Université Cheik Anta Diop (Dakar, Senegal); Advisor: Galaye Dia.

Kalifa BODIAN (Male)

1994 (Doctorat 3ème cycle) *Observabilité spectrale approchée de l'équation des ondes* [Approached spectral observability of the wave equation], Université Gaston Berger (Saint-Louis, Senegal); Advisor: Mary Teuw Niane.

Aliou DIOP (Male)

1995 (Doctorat 3ème cycle) *Estimation de la queue d'une fonction de répartition, Approximation dans le domaine extrémal et Application au calcul de Probabilités extrémales* [Estimation of the tail of a repartition function, approximation in the extremal domain and application to the calculation of extremal probabilities], Université Gaston Berger (Saint-Louis, Senegal); Advisor: Gane Samb Lo.  
2004 (Doctorat d'état) *Comportement extrémal de processus non linéaires* [Extremal behaviour of non-linear processes], Université Gaston Berger (Saint-Louis, Senegal); Advisors: Gane Samb Lo & Dominique Guégan.

Abdoulaye SOUNAYE (Male)

1995 (Doctorat 3ème cycle) *Logique et Espace: Logicisation de la Géométrie et Géométrisation de la Logique*, Université Cheikh Anta Diop (Dakar, Senegal).

Aissa WADE (b. 1967) (Female)

1996 (Doctorat unique) *Normalisation de structures de Poisson* [Normalisation of Poisson structures], Université de Montpellier 2 (France); Advisor: Jean-Paul Dufour.

Oumar Demba MBODJ (Male)

1997 (Doctorat unique) *Codes cycliques et Sommes de Gauss* [Cyclic codes and Gauss sums], Université de Toulon et du Var (Toulon, France); Advisor: Jacques Wolfmann.

Cheikh Ahmed Tidiane DIACK (Male)  
1997 (Doctorat) *Tests de convexité pour une fonction de regression*, Université Paul Sabatier (Toulouse, France); Advisor: Christine Thomas-Agnan.

Koffi Enyonam ABALO (Male)  
1998 (Doctorat) *Sur diverses généralisations des transporteurs asymptotiques; Dépendance intégrale des anneaux de Rees relatifs*, Université de Cocody (Abidjan, Côte d'Ivoire); Advisor: Donatien Niango.

Papa NGOM  
1998 (Doctorat) *Mesures d'information généralisées et théorie de l'échantillonnage*; Université d'Aix-Marseille (France); Advisor: Pierre Hammad.

Abdou SÈNE (Male)  
1999 (Doctorat unique) *Analyse Asymptotique des plaques piezo-électriques et contrôlabilité exacte* [Asymptotic analysis of piezo-electric sheets and exact controllability], Université Joseph Fourier (Grenoble, France); Advisors: Annie Raoult & Mary Teuw Niane.

Souleymane Bachir DIAGNE (Male)  
2000 (Doctorat) *De l'Algèbre Numérique à l'Algèbre de la Logique*, Université de Paris I (France).

Ouateni DIALLO  
2000 (Doctorat) *Modélisation et simulation numérique de résines réactives dans un milieu poreux*, Université Lyon 1 (France).

Salomon SAMBOU  
2001 (Doctorat) *Equation de Cauchy-Riemann pour les courants prolongeables*, Université Joseph Fourier (Grenoble, France).

Mamadou SY (Male)  
2003 (Doctorat 3ème cycle) *Paramétrisation en mécanique des fluides : analyses mathématiques de quelques modèles* [Parameterisation in fluid mechanics: mathematical analysis of some models], Université Gaston Berger (Saint-Louis, Senegal); Advisors: Didier Bresch & Mary Teuw Niane.

Mamadou Abdoul DIOP (Male)  
2003 (Doctorat unique) *Équations aux dérivées partielles stochastiques et homogénéisation* [Equations with stochastic partial derivatives and homogenisation], Université de Provence (Aix-Marseille, France); Advisor: Etienne Pardoux.

Madiagne DIALLO

2003 (Doctorat unique) *Réseaux de flots: flots paramétrés et tarification*, Université de Versailles-Saint-Quentin-en-Yvelines (France); Advisor: Dominique Barth.

Ngalla DJITTÉ (Male)

2004 (Doctorat Unique) *Systèmes Différentiels extérieurs et Applications aux problèmes inverses* [Exterior differential systems and applications to inverse problems], Université Paris IX Dauphine (France); Advisors: Ivar Ekland & Mary Teuw Niane.

### **Sierra Leone**

Lennox Samuel Onipede LIVERPOOL (b. 24.06.1946) (Male)

1971 (Ph.D.) *Analytic Functions and Iteration Theory*, Imperial College of Science and Technology, University of London (UK); Advisor: Irving Noel Baker.

Abimbola Sylvester YOUNG (b. 22.08.1947) (Male)

1974 (Ph.D.) *Prediction analysis with some types of regression functions*, University of London (UK); Advisor: Dennis V. Lindley.

Tanniemola Blackett LIVERPOOL (b. 20.04.1971)

1995 (Ph.D.) *A Stochastic Approach to Describing Geological Systems*, University of Cambridge (UK); Advisor: S. F. Edwards.

Cyril Efoe ATTIOGBE (Male)

2004 (Ph.D.) *On characterizing nilpotent Lie algebras by their multipliers*, North Carolina State University (NC, USA); Advisor: Ernest Stitzinger.

### **South Africa**

Hanno RUND

1950 (Ph.D.) *Finsler Spaces Considered as Generalized Minkowskian Spaces*, University of Cape Town (South Africa); Advisor: Christian Pauc.

Hendrik Jacobus Schutte (Male)

1952 (Ph.D.) *Oor algebraïse uitbreidinge van primêre ringe* [About algebraic extensions of prime rings], Rijksuniversiteit Leiden (Netherlands); Advisor: Hendrik Kloosterman.

James Ray VANSTONE (Male)

1959 (Ph.D.) *Generalized Metric Differential Geometry*, University of Natal (Durban, South Africa); Advisor: Hanno Rund.

Ismael Jacob MOHAMED (b. 1930) (Male)

1960 (Ph.D.) *On Series of Subgroups Related to Groups of Automorphisms*, University of London (UK); Advisor: Kurt Hirsch.

Andries P. J. VAN DER WALT (Male)

1963 (Ph.D.) *'n Bydrae tot die nie-kommunitatiewe ideaalteorie* [Contribution to a non-commutative theory of ideals], Potchefstroomse Universiteit (South Africa); Advisor: Hendrik Schutte.

Wessel J. KOTZÉ (Male)

1964 (Ph.D.) *Iterative Solution of Equations in Linear Topological Spaces*, McGill University (Canada); Advisor: Hans Schwerdtfeger.

Hermanus H. LEMMER (Male)

1964 (D.Sc.) *Verdelingsvrye toetsingsmetodes vir die probleem van twee of meer streekproewe*, University of Pretoria (South Africa); Advisor: D. Stoker

John KNOPFMACHER (1937-1999) (Male)

1965 (Ph.D.) *Extensions in Varieties of Groups and Algebras*, University of Manchester (UK); Advisor: J. F. Adams.

John WAINWRIGHT (Male)

1965 (Ph.D.) *Invariance Properties of Variational Problems Involving Spinors*, University of South Africa (Pretoria, South Africa); Advisor: Hanno Rund.

Johannes Christiaan DU PLESSIS (Male)

1965 (Ph.D.) *Invariance Properties of Variational Principles in General Relativity* University of South Africa (Pretoria, South Africa); Advisor: Hanno Rund.

Duncan H. MARTIN (Male)

1965 (Ph.D.) *The Local Geometry and Extremal Surfaces of Areal Spaces*, University of South Africa (Pretoria, South Africa); Advisor: Hanno Rund.

John Harold WEBB (b. 1942) (Male)

1966 (Ph.D.) *Sequential convergence in locally convex spaces*, University of Cambridge (UK); Advisor: D. J. H. Garling.

S. G. REINACH

1966 (D.Sc.) *Distribution-Free Methods in Experimental Design*, University of Pretoria (South Africa); Advisor: D. Stoker.

Paul Frank CHERENACK (d. 17.01.2002) (Male)

1968 (Ph.D.) *Homotopy Groups of Algebraic Arcs Found by Smoothed Approximations*, University of Pennsylvania (USA); Advisor: Andrew Wallace.

John Henry SWART (Male)

1969 (Ph.D.) *The Theory and Application of Canonical Formalisms Associated with the Field Theory of Caratheodory for Multiple Integral Problems in the Calculus of Variations*, University of South Africa (Pretoria, South Africa); Advisor: Hanno Rund.

Jennifer D. KEY (Female)

1969 (Ph.D.) *Some Topics in Finite Permutation Groups*, University of London (UK); Advisors: Ascher Wagner & Kurt Hirsch.

Kenneth R. HUGHES (Male)

1970 (Ph.D.) *Foundations of Homotopy Theory*, University of Cape Town (South Africa); Advisors: Keith Hardie & David Epstein;

1975 (Ph.D.) *Homotopy Theory of Sheaves and Cosheaves*; University of Warwick (UK); Advisors: Keith Hardie & David Epstein.

Stanley Paul LIPSHITZ (Male)

1970 (Ph.D.) *The Multiple-Integral problem of Lagrange in the Calculus of Variations*, University of the Witwatersrand (Johannesburg, South Africa); Advisor: Hanno Rund.

Hendrika Cornelia Scott SWART (Female)

1971 (D.Sc.) *Sesquilinear Curves in Desarguesian Planes*, Universiteit Stellenbosch (South Africa); Advisor: Kurt-Rüdiger Kannenberg.

Dirk Jacobus VAN SCHALKWYK (Male)

1971 (Ph.D.) *On the Design of Mixture Experiments*, University of London (UK).

Johan SWART (Male)

1973 (Dr.phil.) *Zur Theorie der Schwartz-Raume* [On the theory of Schwartz spaces], Universität Zürich [Switzerland]; Advisor: Hans Jarchow

Stephen Ronald SCHACH (Male)

1973 (Ph.D.) *New Identities for Legendre Associated Functions of Integral Order and Degree*, University of South Africa (Pretoria, South Africa); Advisor: Geoffrey Brundrit.

Sarel VENTER

1975 (Ph.D.) *The Null-Set of the Euler-Lagrange Operator for Second Order Multiple Integral Variational Problems*, University of South Africa

(Pretoria, South Africa); Advisors: Hanno Rund & Horst-Sigfried Grasser.

Jamshid MOORI (b. 21.03.1945) (Male)  
1975 (Ph.D.) *On the Groups  $2^{10}M_{22}$  and  $2^{10}M_{22}:2$* , University of Birmingham (UK); Advisor: Donald Livingstone.

Batmanathan Dayanand REDDY (b. 1953) (Male)  
1977 (Ph.D.) *The Elastic and Plastic Buckling of Circular Cylinders in Bending*, Cambridge University (UK); Advisor: C. R. Calladine, FRS.

Nigel Tempest BISHOP (b. 11.09.1951) (Male)  
1977 (Ph.D.) *A trip through gravitation theory*, University of Southampton (UK); Advisor: P. T. Landsberg.

Dirk P. LAURIE (Male)  
1977 (Ph.D.) *Numerical Treatment of the Time Variable in Parabolic Equations*, University of Dundee (UK); Advisor: Andrew Mitchell.

Louis LE RICHE (Male)  
1977 (Ph.D.) *The Ring R*, Universiteit Stellenbosch (South Africa); Advisor: James Brewer.

Edward Reinier SWART (Male)  
1978 (Ph.D.) *A Contribution to the Four-Colour Theorem*, University of the Witwatersrand (Johannesburg, South Africa).

Jan Hendrik FOURIE (Male)  
1979 (Ph.D.) *Operators factoring compactly through a BK-Space*, Potchefstroomse Universiteit (South Africa); Advisor: Johan Swart.

Ionel Michael NAVON  
1979 (Ph.D.) *Numerical Methods for the Solution of the Shallow-Water Equations in Meteorology*, University of the Witwatersrand (Johannesburg, South Africa).

David RACE (Male)  
1979 (Ph.D.) *The Spectral Theory of Complex Sturm-Liouville Operators*, University of the Witwatersrand (Johannesburg, South Africa); Advisor: Ian Knowles.

Doron Shaul LUBINSKY  
1980 (Ph.D.) *Exceptional Sets of Padé Approximants*, University of the Witwatersrand (Johannesburg, South Africa); Advisor: Colin Wright.

Anna Francina HARDING (nee MEIRING) (b. 21.02.1952) (Female)

1981 (D.Sc.) *Numerical Studies of Reaction-Diffusion in Physiological Processes*. University of Pretoria (Pretoria, South Africa); Advisors: J. A. Snyman (Pretoria) & R. Mitchell (Dundee, Scotland).

Alewyn Petrus BURGER (Male)

1981 (Ph.D.) *The Asymptotic Distribution of Sequential Rank Statistics under Fixed Alternatives*, University of South Africa (Pretoria, South Africa); Advisor: F. Lombard.

Willem Louw FOUCHE (Male)

1982 (Ph.D.) *Uniform Sets and a Conjecture of Littlewood*, Universiteit Stellenbosch (South Africa); Advisor: Siefried Goldner.

Shannon KENDAL

1982 (Ph.D.) *Function Algebras, Restriction Sets and Measures*, University of Cape Town (South Africa); Advisor: Wessel Kotzé.

Barbara SWART (b. 13.2.1956) (Female)

1983 (Ph.D.) *Numerical solution of hyperbolic partial differential equations*, University of Pretoria (South Africa); Advisor: Tunc Geveci.

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1984 (Ph.D.) *Linear Compactness and Singularity in Fields of Transcendental Degree 1*, University of Cape Town (South Africa); Advisors: Kenneth Hughes & Peter Roquette.

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