

CURRICULUM VITAE

OSINUGA, Idowu Ademola

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Personal

Date of Birth: 11.08.1970
Sex: Male
Marital Status: Married
Place of Birth: Ode-Remo
Nationality: Nigerian
Number of Children: 02
Postal Address: As above

Research Interests

Optimization and Approximation with applications, Computational Methods for Optimization, Fuzzy Set Theory, Fixed point theory and applications in optimization, ICT/Internet Research.

Education

- 2002 – 2007 Ph.D. in Mathematics, University of Ilorin, Ilorin (April 2008).
Thesis: *Global Optimization on Banach Spaces*.
Advisor: Prof. Olabode Marthias Bamigbola.
- 2000 - 2001 PGD in Computer Science, University of Agriculture, Abeokuta (November 2002).
- 1997 – 1999 M.Sc. in Mathematics, University of Ibadan, Ibadan (January 2000).
Thesis: *On LP Bound Lipschitzian Optimization*.
Advisor: Dr.C.Raphel Nwozo.
- 1989-1993 B.Sc. in Mathematics (second class upper division), Olabisi Onabanjo University(OOU),
Ago-Iwoye (May 1994).

Awards, Honors and Prizes

- Aderemi Kuku and Oladipupo Okusanya prizes for Top Student in Mathematics, 1992 -1993.
- Graduate Teaching Assistant, Olabisi Onabanjo University, 1995 – 1999.
- ICTP Partial Travel Award to attend SDU-ICTP Training Workshop, Trieste, Italy, November 2009.
- TWAS-UNESCO Visiting Fellowship (Short Term) at Centre for Advanced Studies in Mathematics (CASM), Lahore University of Management Sciences (LUMS), Lahore, Pakistan , Sept. – Dec. 2010

Post Doctoral Studies

- Centre for Advanced Studies in Mathematics, Lahore University of Management Sciences, Lahore, Pakistan , Fall 2010.

Scholarly Accomplishments

Papers Referred

1. An Overview of Norm Approximation Applications, (with O. R. Oniyide), *Far East J. Math. Sci.*, 43(2010), No.2, 189-202.
2. Resolution of Extremization Problem using Duality Principle, (with O. M. Bamigbola), *Asset International J.*, Series B, 8 (2009), No.1, 18-26.
3. Comparison of Three Variant of Simplex Methods in Solving Game Theory Problem, (with J. A. Osilagun), *IFE J. Sc.*, 10 (2008), No.1, 371-377.
4. An Improved Cutting Plane Algorithm for Vector Optimization Problem, (with O. R. Oniyide and O. O. Olatayo) *African J. Pure Appl. Sc.*, 2 (2008), 46 – 51.
5. On the Existence of Global Optimization Solution on Abstract Spaces, *J. Nigerian Assoc. Math. Phys.*, 12 (2008), 17 – 22.
6. Further Results on the Classes of Convex Functions, *J. Nigerian Assoc. Math. Phys.*, 11(2007), 515-518.
7. On the minimum norm solution to Weber Problem, (with O.M.Bamigbola), *African J. Educ. Stud. Math. & Sci.*, 5 (2007), 29-34.
8. On the Existence of Best Sample in Simple Random Sampling, (with O. R. Oniyide), *J. Math. Assoc. Nigeria*, 33, (2006), No.2b, 290 – 294.
9. On Global Optimization for Convex Problems on Abstract Spaces, (with O. M. Bamigbola), *J. Math. Assoc. Nigeria*, 31, (2004), No.2a, 94- 98.
10. On Lp Bound Lipchitzian Optimization, (with C. R. Nwozo), *J. Math Assoc. Nigeria*, 30, (2003), No.2b, 246 – 254.
11. On Some Optimality Conditions for Unconstrained Optimization in Reflexive Banach Spaces, (with O. M. Bamigbola) *African J. Pure Appl. Sc.*, 3,(2010), in press.

In Preparation

- A note on convex programming in optimal design and location theory (with D.A.A gunbiade)
- Some optimization results on non-reflexive Banach spaces (with O.M.Bamigbola)

Conference Proceedings

1. On the Minimum Norm Solution to Weber's Problem, (with O. M. Bamigbola), *Proc. of the 25th SAMSA (Southern Africa Mathematical Sciences Association) Conference, Windhoek , Namibia*, 2(2007), 55 – 60.
2. Resolution of Extremization Problem using Duality Principle, (with O. M. Bamigbola), *Proc. African Mathematical Union-International Conference of Mathematical Scientists, Abeokuta, Nigeria*, (2003), 205-213 .

Books / Chapters in Book(s)

1. *A First Course on Mathematical Methods for Scientists and Engineers*, (coauthor M. A. Liadi), Rasmed Publications (Nig.) Limited, Ibadan, **2010**, in press.
2. *A Guide to Internet-based Research and Open Access (ISBN 978-978-50192-9-2)*, (coauthor O. W. Lawal) Rasmed Publications (Nig.) Limited, Ibadan, **2011**.

3. "ICT- A Tool for Nation Building" Book chapter in *Principles of Information and Communication Technology* (editor: M. A. Usman) Vol.9,2010. A publication of the Directorate of the General Studies, OOU, in press.

Monographs

- M. A. Usman, D. A. Agunbiade and I. A. Osinuga (eds): *Laboratory Manual for Undergraduate Students* (ISBN 978-2556-01), OOU Press, Ago-Iwoye, 2010.
- I.A.Osinuga "Lectures on Mathematical Programming" Unpublished Manuscript, 2010.

Employment

Department of Mathematics, University of Agriculture, Abeokuta

- Senior Lecturer 1 March, 2011 - present
- Visiting Fellow, CASM-LUMS, Lahore, Pakistan 24 September – 21December, 2010.

Department of Mathematical Sciences, Olabisi Onabanjo University, Ago-Iwoye

- Lecturer I 2007 – 2011.
- Lecturer II 2004 – 2007.
- Assistant Lecturer 2000 – 2004.
- Graduate Assistant 1995 – 2000.
- Adjunct Lecturer, Tai Solarin University of University of Education, Ijagun 2007 – present.

Professional Affiliations

Nigerian Mathematical Society 2005 – Present.
 Southern Africa Mathematical Sciences Association 2007 – Present.
 African Mathematical Union 2003 – Present.

Teaching Experience

Details of Teaching Experience at University of Agriculture, Abeokuta (1 March, 2011 - present)

Undergraduate: MTS 102,106 and 354 (2010/2011)

Details of Teaching Experience at Olabisi Onabanjo University (1995 – 2011).

Undergraduate: Elementary Mathematics, Calculus, Mathematical Methods, Ordinary Differential Equations, Optimization Theory I, Operations Research, Complex Analysis, Functional Analysis.

Graduate: Mathematical Modelling, Operations Research, Computational Methods in Optimization I, Information Technology System and Computer Application.

Tai Solarin University of Education (2007 – present).

Undergraduate: Functional Analysis and Complex Analysis.

Conference Participation and Selected Talks

- 3rd International Conference on Statistical Sciences, University of the Punjab, Quaid-e-Azam Campus, Lahore, Pakistan, 25-27 November, 2010.

Invited Talk: *A note on convex programming in optimal design and location theory*

- CASM-LUMS Weekly Seminar Series (3 talks)
 First talk: *Introduction to Mathematical Programming (13 October, 2010).*
 Second talk: *Vector Programming with Applications in Statistics and Finance (20 October, 2010)*

Third talk: Global Optimization on Abstract Spaces (10 November, 2010)

- 2010 Macmillan Teachers' Workshop, Oyo State Library Headquarters, Dugbe, Nigeria, June 2010.

Invited talk: *Equipping and Motivating Teachers for Brilliant Performance in Mathematics.*

- SDU-ICTP Training Workshop on "Scientific Information in the Digital age: Access and Dissemination", Adriatico Guest House, Trieste, Italy, 12 – 16 October, 2009.
- AMMSI (African Mathematics Millennium Science Initiative) Symposium on "African Woman and Mathematics", TDM Conference Centre, Maputo, Mozambique, 29 – 30 November, 2008.
- 26th SAMSA (Southern Africa Mathematical Sciences Association) Conference, Eduardo Mondlane University, Maputo, Mozambique, 25 – 28 November, 2008.

Invited Talk: *On some abstract methods on linear norm regression.*

- 26th Annual Conference of Nigerian Mathematical Society (NMS), Federal University of Technology, Akure, Nigeria, 15 – 19 May, 2007.

Invited Talk: *An overview of Norm Approximation Applications*

Directed Student Research

M.Sc. Thesis

1. Adekoya Adegboyega
Application of Fuzzy Set Theory to Decision Making in Staff Performance Appraisal Process, M.Sc (Mathematics) Thesis, Olabisi Onabanjo University, Ago-Iwoye, Nigeria 2010.
2. Sikiru Akeem
On the Robustness of the Conjugate Gradient and Quasi Newton Methods for Unconstrained Optimization. (work in progress).

PGD (Statistics) Dissertation

1. Ojo, Oluwafemi S.
Minimization of Transportation Cost of Product Distribution in Manufacturing Company (Case Study of Dangote Flour Mills), PGD Dissertation, Olabisi Onabanjo University, Ago-Iwoye, Nigeria 2011
2. Imade, Osagie, S.
Computational Experiment on the Effect of Changes in the Resources and Coefficients of the Objective Function on the Optimality of the LP (work in progress).

Service

- Head, Pre-Degree Science Unit, OOU, Ago-Iwoye 2010 – 2011.
- Resource Person (Mathematics), Macmillan Publishers (Nig.) Limited Annual Teachers' Workshop, Ibadan zone. 2010 – present.

- Chairman, Departmental Curriculum Review Committee June – August 2010.
- Ag.Faculty Seminar Coordinator 2009 – 2010.
- Coordinator, Diploma in Data Processing Programme 2006 – 2008.
- Coordinator, Departmental Graduate Programme 2008 – 2010.
- Departmental Examinations Officer / Member Senate Committee on Examinations
2000 - 2004
- Financial Secretary, Olabisi Onabanjo University Muslim Community 2000 - 2004
- Ag. Head of Department 6th - 8th Oct., 2008.
- Referee, African Journal of Pure and Applied Sciences 2008 – present.
- Member, Local Organizing Committee, 24th Nigerian Mathematical Society Annual
Conference, Olabisi Onabanjo University 12 - 15 April, 2005.

Various Competences

Yoruba (mother tongue), English (Fluent), French (basic),
Mastery of Microsoft Word, Excel, Power point, and Windows operating system,
Notions in Matlab, LaTeX and C language.

Extra Curricular Activities

- Jogging and Reading .
- Active Member, Ansar-ud-deen Society of Nigeria and Overseas, Ijebu-Igbo Branch, Ogun State.

Referees

Prof. O. M. Bamigbola,

Department of Mathematics, University of Ilorin, Ilorin, Nigeria,
e-mail: ombamigbola@unilorin.edu.ng, Tel: +234 80 3359 8608

Prof. Ismat Beg,

Department of Mathematics, Lahore University of Management Sciences, Lahore, Pakistan,
e-mail: ibeg@lums.edu.pk, Tel: +92 42 3560 8229

Prof. M. Ali,

School of Computational and Applied Mathematics, University of the Witwatersrand, Private Bag 3,
Wits 2050, Johannesburg, South Africa,
e-mail: Montaz.Ali@wits.ac.za, Tel: +27-078130821, +27-(0)11-7176139

Dr. C. R. Nwozo

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Signature

07-03-2011
Date