Dr. Chimere Stanley Anabanti   October 12, 2018

PERSONAL
INFORMATION

Place (date) of birth: Arochukwu (May 6, 1987); Nationality: Nigerian;
Mobile: +23481 6824 8639; Email address: chimere.anabanti@unn.edu.ng

EDUCATION

- Birkbeck, University of London (UoL): Ph.D Mathematics $10/2014 - 09/2017$
- University of Warwick, England: M.Sc Mathematics $\quad 10/2012 - 09/2013$
- **AIMS**, Cape Town, South Africa: PGD Math. Sci. $\quad 08/2011 - 06/2012$
- University of Nigeria, Nsukka: B.Sc Mathematics (1st class) $11/2005 - 01/2010$

TEACHING
EXPERIENCE

Lecturer   October 2017–date
    Department of Mathematics, University of Nigeria, Nsukka:
    Teach undergraduate courses in Linear Algebra and Abstract Algebra, a graduate
    course in Algebra as well as supervise students' theses.
Lecturer/Associate Tutor   Sept 2015–Sept 2017
    Dept. of Economics, Mathematics and Statistics, Birkbeck:
    Held classes on the Writing Mathematics module as well as the Group Theory
    module for Masters students in Mathematics. I also invigilated examinations.
Assistant Lecturer   Jan 2014–Sept 2014
    Department of Mathematics, University of Nigeria, Nsukka (UNN):
    Taught undergraduate courses in Group theory, Ring theory, Galois theory
    and Differential equations, and supervised undergraduate students' projects.
Supervisor/Teaching Assistant   Oct 2012–Sept 2013
    Institute of Mathematics, University of Warwick:
    Gave weekly revisions in Algebra, Analysis and Differential
    Equations courses to first and second year undergraduate
    mathematics students, and assessed their weekly assignments.
Graduate Tutor   July 2010–June 2011
    Department of Math. Sciences, Olabisi Onabanjo University:
    Gave tutorials in Mathematics courses to undergraduate students.
    Also took part in marking the students' examination scripts.

SELECTED
AWARDS/
SCHOLARSHIPS

- Selected to participate in the 2018 Heidelberg Laureate Forum: HLFF   2018
- Gilchrist Educational Trust PhD Student Prize: Birkbeck, UoL   2017
- Birkbeck (BEI) Anniversary Studentship: University of London   2014–2017
- Department of Mathematics Sup Award: University of Warwick   2012/2013
- International Office Masters Scholarship: University of Warwick   2012–13
- Best Science Inspiration for a hack: Science Hack, South Africa   2012
- Postgraduate Diploma Scholarship: AIMS, South Africa   2011–12
- Community Development Award: Ijebu North LGA, Ogun State   2011
- NYSC Ogun State Honours Award: National Youth Service Corps   2010/11
- Undergraduate Scholarship Award: Petroleum Tech. Dev. Fund   2006–10

RESEARCH
AREAS

- Algebraic Combinatorics
- Computational Group Theory
- Willingness to explore other fields of Algebra and Combinatorics.

PAPERS UNDER REVIEW	• On finite groups containing locally maximal product-free sets of size 4. • Three questions of Bertram on locally maximal sum-free sets II. • A characterisation of elementary abelian 3-groups (see 1 and 2 for citations).

ACCEPTED/ PUBLISHED JOURNAL ARTICLES	• A counterexample to Zarrin's conjecture on sizes of finite nonabelian simple groups in relation to involution sizes, Archiv der Mathematik (2018); https://doi.org/10.1007/s00013-018-1265-y. • *Three questions of Bertram on locally maximal sum-free sets*, Applicable Algebra in Engineering, Communication and Computing (2018); https://doi.org/10.1007/s00200-018-0364-0. • On filled soluble groups, Communications in Algebra, **46(11)** (2018), 4914–4917. • *Groups whose locally maximal product-free sets are complete, Australas. J. Combin.*, **71 (3)** (2018), 544–563 (with G. Erskine and S. B. Hart). • *On locally maximal product-free sets in 2-groups of coclass 1, Quasigroups and Related Systems*, **24 (2)** (2016), 151–156. • *Groups containing small locally maximal product-free sets, International Journal of Combinatorics*, vol. 2016, Article ID 8939182 (2016), 5 pp. (with S. Hart). • *On a conjecture of Street and Whitehead on locally maximal product-free sets, Australasian Journal of Combinatorics*, **63 (3)** (2015), 385–398 (with S. Hart). • *Classes of minimal words of small lengths in a finitely generated free group, General Mathematics Notes*, **27 (2)** (2015), 1–7.

BOOK PUBLICATION	C. S. Anabanti, "The Whitehead algorithm for free groups", *Grin Verlag GmbH*, ISBN (eBook) 978-3-656-92266-7, ISBN (Book) 978-3-656-92267-4 (2015); available at Abebooks, Amazon, Ebay and a couple of other online stores.

INVITED TALKS (1 HOUR EACH)	• Warwick Algebra Seminar; University of Warwick, UK:	4 May '17
	• London Algebra Colloquium; Queen Mary, University of London:	16 Feb '17

SELECTED CONFERENCE & SEMINAR PRESENTATIONS	15. PGTC at Cambridge University, UK:	27–30 June 2017
	Finite groups containing locally maximal product-free sets of a given size.	
	14. LMS Graduate Students' Meeting in London:	11 Nov 2016
	Group Partition and Ramsey Numbers.	
	13. NMS Conference at FUT Minna:	3–6 May 2016
	On a question of Street and Whitehead on partitioning a group.	
	12. Young Mathematicians Colloquium, Birmingham:	20 April 2016
	On minimal sizes of locally maximal sum-free sets.	
	11. Poster pres. at the LMS–EMS Mathematical Weekend	18–20 Sept 2015
	Product-free sets in finite groups.	
	10. Poster presentation at the LMS 150th Anniversary Midlands regional meeting held at the University of Warwick:	7 July 2015
	On minimal sizes of locally maximal product-free sets.	
	9. LMS Graduate Students' Meeting in London:	3 July 2015
	On a special product-free set property.	
	8. PGTC at the University of Bristol, UK:	30 June – 3 July 2015

On a conjecture of Street and Whitehead on locally maximal product-free sets.

7. Birkbeck Mathematical Sciences Jamboree: 2 June 2015
On locally maximal sum-free sets in finite groups.

6. Nigerian Mathematical Society (NMS) Conference: 27–30 May 2014
Classes of minimal words of small lengths in a finitely generated free group.

5. London Mathematical Society (LMS) Meeting: 15 Nov 2013
Consequences of Whitehead algorithm for free groups.

4. Postgraduate seminar at the University of Warwick: 9 Oct 2013
Nature of representatives of equivalence classes of minimal words of lengths 2, 3, 4 and 5 in a finitely generated free group.

3. Postgraduate Group Theory Conference (PGTC), Manchester: 2–4 July 2013
Characterization of subgroups of a free group.

2. Postgraduate Seminar at the University of Warwick, England: 19 June 2013
Free groups as a Mathematics language.

1. Seminar at the University of Nigeria, Nsukka: 12 Sept 2012
Connection between Simple Linear Groups of the form GL(1,q) and Mersenne primes.

CONSULTANCY LaTeX trainer: LaTeX is a typesetting system. It can be seen naively as a word processor. I am the founder of a group that train researchers on the use of LaTeX and programming tools. You can contact my team using latexclass@gmail.com. [I also serve as an Educational Consultant for a UK firm called PhD Tutors.]

HOBBIES Teaching, research and learning new skills.

PROGRAMMING (i) GAP; (ii) Magma; (iii) Python; (iv) SageMath.
SKILLS

OTHER SKILLS Use of Git (GitHub), Linux (Ubuntu) and LaTeX.

LEADERSHIP • Language Editor, De Gruyter Open Mathematics, Poland. June 2016–date
POSITIONS • PhD Representative, Mathematics and Statistics PhD students: Birkbeck, University of London. Sept 2015–Sept 2017
• Assistant Co-ordinator, Elementary Mathematics II course involving over 3000 students: UNN. Jan–June 2014
• President, National Association of Catholic Corps members (NACC): Ijebu North, Ogun State, Nigeria. Jan–June 2011
• Provost, National Association of Mathematical Sci. students (NAMS): University of Nigeria, Nsukka. Sept 2006–Aug 2007

REFERENCES Available on request.