

Evans Doe OCANSEY

Curriculum Vitæ

Altenberger Straße 69

A-4040 Linz

Austria

☎ +43 (732) 2468 9974

FAX +43 (732) 2468 9930

✉ eocansey@risc.jku.at

🌐 www.risc.jku.at/home/eocansey

🌐 evansdoe



“There is no branch of mathematics, however abstract, which may not some day be applied to a phenomena in the real world.” – Nikolai Lobachevsky

Education

- Oct '14 – date **PhD. Mathematics**, Research Institute for Symbolic Computation (RISC) & Johannes Kepler University (JKU), Linz, Austria.
Difference rings algorithms for nested products – being supervise by Assoc. Prof. DI Dr. Carsten Schneider.
- Feb '12 – Mar '13 **MSc. Mathematics**, Stellenbosch University (SU), Stellenbosch, South Africa.
Enumeration problems on lattices – supervised by Prof. Stephan Wagner.
- Aug '10 – Jun '11 **PGD. Mathematical Science**, African Institute for Mathematical Science (AIMS-ZA) & University of Western Cape, Cape Town, South Africa.
The matrix tree theorem – supervised by Prof. Stephan Wagner.
- Aug '05 – Jun '09 **BSc. Mathematics**, Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana.
Development of an application software to perform numerical computations using MATLAB'S graphical user interface (GUI) – supervised by Dr. Emmanuel Owusu.

Experience

- Sep '17 – Oct '17 **Lecturer**, Experimental Mathematics with SAGE, AIMS-ZA, Cape Town, South Africa.
- Sep '16 – Oct '16 **Lecturer**, Experimental Mathematics with SAGE, AIMS-ZA, Cape Town, South Africa.
- Aug '13 – Oct '14 **Teaching & IT Assistant**, AIMS-ZA, Cape Town, South Africa.

Scientific Talks

- Jul. 2016 **Representing (q)-hypergeometric products and mixed versions in difference rings**, Waterloo Workshop on Computer Algebra in honour of the 70th birthday of Sergei Abramov, Wilfrid Laurier University, Waterloo, Ontario, Canada.
- Jul. 2016 **Representation of hypergeometric products in difference rings**, ISSAC 2016 Poster, Wilfrid Laurier University, Waterloo, Ontario, Canada.

Research Interests

- Computer Algebra.
- Graph Theory.
- Combinatorics.
- Number Theory.

Publications

- [1] E.D. Ocansey and C. Schneider. Representation of hypergeometric products in difference rings. *ACM Communications in Computer Algebra*, 50(4):161–163, 2016. Extended abstract of the poster presentation at ISSAC 2016.
- [2] E.D. Ocansey and C. Schneider. Representing (q-)hypergeometric products and mixed versions in difference rings. In ?, editor, *submitted*, pages 1–36. ?, 2017. arXiv:1705.01368 [cs.SC].