

Florin Gabriel Stan

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PERSONAL INFORMATION

Born: April 30, 1980, in Ploiești, Romania
Citizenship: Romanian
Current Address: 36 Huntingtower Road
S11 7GR Sheffield, U.K.
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EDUCATION AND EMPLOYMENT

2010–present Senior Academic Tutor, University of Sheffield, International College.
2008–2009 Visiting researcher, Université de Franche-Comté, Besançon, France.
2008–present Researcher IMAR.
2008 Ph.D. in Mathematics, University of Illinois at Urbana-Champaign.
Thesis title: Trace problems in algebraic number fields and applications
to characters of finite groups.
Advisor: Alexandru Zaharescu.
2005–2008 Research Assistant, IMAR.
2005 M.S. in Mathematics, University of Bucharest, Romania.
2002–2005 Junior Research Assistant, IMAR (Institute of Mathematics "Simion
Stoilow" of the Romanian Academy of Sciences).
2002–2003 Graduate student SNSB (Normal Superior School of Bucharest).
2002 B.S. in Mathematics, University of Bucharest, Romania.

RESEARCH INTERESTS

Number theory (algebraic number theory, modular forms, connections between
number theory and group theory).

PUBLICATIONS

- Siegel-type limit points above the PSZ curve, submitted.
- *An effective bound for the cyclotomic Loxton-Kedlaya rank* (with C. Beli and A. Zaharescu), *Glasg. Math. J.* **60** (2018), no. 1, 97-110.
- *Weil numbers in finite extensions of \mathbb{Q}^{ab} : the Loxton-Kedlaya phenomenon*, (with A. Zaharescu), *Trans. Amer. Math. Soc.* **367** (2015), no. 6, 4359–4376.
- *The Siegel norm, the length function and character values of finite groups*, (with A. Malik and A. Zaharescu), *Indag. Math. (N.S.)* **25** (2014), no. 3, 475-486.
- *The Siegel norm of algebraic numbers*, (with A. Zaharescu), *Bull. Math. Soc. Sci. Math. Roumanie, Tome* **55** (103), no. 1, (2012), 69–77.
- *Siegel's trace problem and character values of finite groups*, (with A. Zaharescu), *J. Reine Angew. Math.* **637**, (2009), 217–234.
- *Lehmer k -tuples*, (with E. Alkan and A. Zaharescu), *Proc. Amer. Math. Soc.* **134** (2006), no. 10, 2807–2815.

RECENT TALKS

- The Siegel norm, the length function and character values of finite groups, Number Theory Seminar, University of Sheffield, March 3, 2015.
- Weil numbers in finite extensions of \mathbb{Q}^{ab} , ‘Nicolae Popescu’ Number Theory Seminar, IMAR, Bucharest, May 8, 2013.
- Siegel’s trace problem and character values of finite groups, Number Theory Seminar, Université de Franche-Comté, Besançon, February 19, 2009.

AWARDS, HONORS

- 2015 Romanian Ministry of Education and Scientific Research (UEFISCDI) award for the paper *Weil numbers in finite extensions of \mathbb{Q}^{ab} : the Loxton-Kedlaya phenomenon*.
- 2006-2008 Appeared 3 times on the Incomplete list of Teachers Ranked as Excellent by their Students, University of Illinois at Urbana-Champaign.
- 2002-2003 SNSB (Normal Superior School of Bucharest) Fellowship.
- 1998-2002 Honors Fellowship (University of Bucharest).
- 1994-1998 Second and third prizes at national mathematical olympiads.

TEACHING EXPERIENCE

- 2018 Pure Mathematics
PDP Mathematics (pre-Master’s module)
Maths Workshop (pre-Master’s module)
- 2017 Pure Mathematics
Foundation Mathematics
PDP Mathematics (pre-Master’s module)
Maths Workshop (pre-Master’s module)
- 2016 Pure Mathematics
PDP Mathematics (pre-Master’s module)
Maths Workshop (pre-Master’s module)
- 2015 Booster session for Advanced Mathematics & Engineering Mathematics
Applied Mathematics
Statistics (pre-Master’s module)
Advanced Mathematics (pre-Master’s module)
- 2014 GD Maths Prep (pre-Master’s preparatory module)
Advanced Mathematics (pre-Master’s module)
Applied Mathematics
Bridging Mathematics
- 2013 GD Maths Prep (pre-Master’s preparatory module)
Advanced Mathematics (pre-Master’s module)
Applied Mathematics
Booster session for Applied Mathematics
Mathematics and Statistics for Social Sciences
- 2012 Advanced Mathematics (pre-Master’s module)
Applied Mathematics
Foundation Mathematics
Booster sessions for Foundation/Applied Mathematics

2011	Advanced Mathematics (pre-Master's module) Applied Mathematics Foundation Mathematics
2010	Mathematics and Statistics for Social Sciences Foundation Mathematics
2008	Math 234 (Business Calculus). {Spring}
2007	Math 234 (Business Calculus). {Autumn}
2006	Math 234 (Business Calculus). {Autumn} Instructor, Math 230 (Calculus II). {Spring}
2005	Math 220 (Calculus). {Autumn} Math 234 (Business Calculus). {Spring}
2004	Math 234 (Business Calculus). {Autumn, Spring}

SEMINARS ATTENDED

2010-2018 Number Theory Seminar, University of Sheffield.
 2008-2009 Number Theory Seminar, Université de Franche-Comté.
 2003-2008 Number Theory Seminar, University of Illinois at Urbana-Champaign.
 2000-2003 'Nicolae Popescu' Number Theory Seminar, IMAR.

CONFERENCES AND WORKSHOPS ATTENDED

- Fonctions L et Arithmétique, Université de Franche-Comté, Besançon, 2009.
- Illinois Number Theory Fest, University of Illinois at Urbana-Champaign, 2007.
- Midwest Number Theory Conference for Graduate Students IV, University of Illinois at Urbana-Champaign, 2006.
- Midwest Number Theory Conference for Graduate Students and Recent PhDs, University of Illinois at Urbana-Champaign, 2005.

LANGUAGE ABILITY

English (fluent), French (good), Romanian (native).

PROFESSIONAL MEMBERSHIPS

- American Mathematical Society (2003-2008).

HOBBIES

Hiking, Photography and Snowboarding.