

L. Gregory

CONTACT INFORMATION	School of Mathematics Alan Turing Building, The University of Manchester, Oxford Road, Manchester, M13 9PL	Nationality: British Email: lorna.gregory@gmail.com
EDUCATION	PhD 'Ziegler Spectra of Valuation Rings' Awarded 18.04.11 School of Mathematics, University of Manchester Supervised by Professor Mike Prest Funded by EPSRC Certificate of Advanced Study in Mathematics King's College, University of Cambridge BA(Hons) Mathematics, First class degree King's College, University of Cambridge	01.07 - 12.10 10.05-06.06 10.02-06.05
EMPLOYMENT	University of Manchester Research assistant on EPSRC grant EP/K022490/1 of Mike Prest Universität Konstanz Akademische Mitarbeiterin of Prof. Dr. Salma Kuhlmann	09.13 - 07.11-08.13
PAPERS	Decidability of theories of modules over canonical algebras of tubular type arXiv:1603.03284 , preprint, 38p. (with Mike Prest) Representation embeddings, Interpretation functors and controlled wild algebras accepted for publication in J. London Math. Soc arXiv:1411.3221v2 Decidability for the theory of modules over a valuation domain Journal of Symbolic Logic Volume 80, Issue 02, June 2015, pp 684-711 Sobriety for the Ziegler spectrum of a Prüfer domain Journal of Pure and Applied Algebra Volume 217, Issue 10, October 2013, pp 1980-1993	
CONFERENCE TALKS AND RESEARCH	Research visit to Seconda Universit degli Studi di Napoli Working with Amit Kuber Talk title: Representation type and interpretation functors	08.06.15-12.06.15

VISITS

Interpretation functors, wild algebras and undecidability 10.03.15
Model Theory Conference, Stellenbosch, South Africa

Interpretation functors, wild algebras and undecidability 13.01.15 Lymots
Model Theory Meeting, Leeds

Interpretation functors, wild algebras and undecidability 29.08.14
16th International Conference on Representations of Algebras

Decidability for the theory of modules over a valuation domain Konstanz-Naples Model Theory Days

Decidability of the Theory of Modules of a Valuation Domain via the Ziegler Spectrum 20.01.11

British Postgraduate Model Theory conference, Leeds

Decidability of the Theory of Modules over a Commutative Valuation Domain Leeds-Manchester Model Theory Meeting, Leeds 16.10.10

Decidability for theories of modules of tame canonical algebras 22.10.15

SEMINAR
TALKS

Model theory seminar at the University of Central Lancashire

Interpretation functors, representation type and undecidability Manchester Algebra seminar 21.04.15

Interpretation Functors, Wild Algebras and Undecidability Leeds Logic Seminar 19.11.14

Value monoids and Ziegler spectra of Prüfer rings Manchester Logic seminar 09.10.13

Ziegler Spectra of commutative RD-rings Seconda Universit degli Studi di Napoli 31.05.13

Ziegler Spectra of commutative RD-rings Camerino 28.05.13

Integer parts and henselian ordered fields Model Theory Seminar, Konstanz 21.01.13

Decidability of Theories of Modules over Valuation Domains 14.05.12

Model Theory Seminar, Konstanz

Are Ziegler spectra always sober? 07.11.11 & 14.11.11
Model Theory Seminar, Konstanz

Decidability for the Theory of Modules over
Valuation Domains via the
Ziegler Spectrum 26.01.11
Algebra and Geometry seminar, Bristol

CONFERENCE British Postgraduate Model Theory Conference.
Organiser 01.16 ORGANISATION Infinite-dimensional
representations of finite-dimensional 08.15 algebras.
Summer school and Workshop, Organiser
Konstanz Women in Maths day. Organiser 05.13

TEACHING EXPERIENCE Lecturing

Set theory Winter 2015 I designed and lectured this Msc course in Set theory. This was a class of 20 students; I got very positive feedback from the students.

Algebraic number theory Summer 2010 As a PhD student 6 hours of cover lectures in algebraic number theory to a class of approximately 100 students.

Msc projects

I am currently co-supervising an Msc student writing a project on NIP theories. While in Konstanz, I co-supervised a diploma student writing a dissertation on generalised power series fields. In Manchester I have examined Msc theses.

Seminar Courses

In Konstanz, I helped organise 3 courses where students gave talks. For the courses on p-adic Numbers and p-adically closed fields, I chose the topics and designed the course. For all 3 courses I assigned topics, supervised students preparing talks and evaluated students's talks and write-ups.

Seminar/Proseminar "p-adic Numbers" 04.13-07.13

Proseminar Positivity and Quadratic Forms 10.12-02.13

Seminar p-adically Closed Fields 10.11-02.11

Supporting lecture courses

In Konstanz, I organised exercise classes, supervised and supported student teaching assistants, supervised the marking of exams, and designed exercise sheets and exams for the following lecture courses.

Algebraic number theory 04.13-07.13
Algebra 10.12-02.13

Linear Algebra I 10.11-02.11 Linear Algebra II
04.12-07.12

Exercise classes for maths students

Linear Algebra Summer 08 & 11
Sequences and series Summer 09, 10 & 14 Real Analysis
revision classes January 10 Sets, Numbers and
Functions Winter 08 Maths workshop Winter 07, 08 & 09
Summer 08 Students working in groups on small
projects.
Foundation year tutorial Summer 15 Tutorial for foundation
year students covering topics in calculus and basic
algebra.

OUTREACH Making Maths at Manchester Summer 2007, 2008, 2009 Provided tuition and pastoral care as part of a residential outreach program.

Tag der Mathematik 03.13 Helped run "Tag der Mathematik".
At this event students in their final two years of school
came to Konstanz to compete in (fun) maths competitions.

PROMOTION OF Athena Swan committee member, Manchester 09.15-

WOMEN IN Konstanz Women in Maths seminar series, organiser 05.13-07.13

MATHEMATICS EYVM (European Women in Maths) newsletter editor 09.07-02.09

ADMIN	Logic seminar organiser, Manchester	01.16-
	CUSPOMMS organising committee member	10.04-
	Cambridge University Society for the Philosophy of Mathematics and Mathematical Sciences	06.05

GRANTS 2016

LMS postgraduate conference grant for British
Postgraduate Model Theory Conference
I wrote the majority of this grant application and was the grant holder.
Value: 24000

Zukunftskolleg Mentorship program (Not taken up due to new job in Manchester) Value: 2250 €	2013
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EPSRC Doctoral Training Award 01.08-06.10

School Scholarship Manchester 01.07-12.07

Date: 27.04.2016