Graham Smith

Nationality: Scottish
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Current & Previous Positions

2008-	Postdoctoral Researcher, CRM Barcelona,
2007-2008	Postdoctoral Researcher, MPI Bonn.
2005-2007	Postdoctoral Researcher, MPI Leipzig.
2004-2005	ATER, Teaching Assistent, Univ. Paris XI.

Doctoral Thesis

2001-2004 PhD in **Mathematics**.
Title: "Elliptic Problems for Riemannian Submanifolds".
Director: **François Labourie**, l'Université **Paris XI** (Orsay, France).
Defence: 13 Dec 2004.

Publications

Papers Published in Peer-Reviewed Journals:

[1] Smith G., Pointed k-surfaces, *Bull. Soc. Math. France.*, **134**, no. 4, (2006), 509–557.

[2] Smith G., Equivariant Plateau problems, *Geom. Dedicata*, **140**, no. 1, (2009), 95-135.

[3] Smith G., An Arzela-Ascoli Theorem for immersed submanifolds, *Ann. Fac. Sci. Toulouse Math.*, **16**, no. 4, (2007), 817–866

Papers Submitted for Review for Publication:

[4] Smith G., Special Lagrangian Curvature, arXiv:math.DG/0506230.

[5] Smith G., Moduli of Flat Conformal Structures of Hyperbolic Type, arXiv:0804.0744

[6] Smith G., The Non-Linear Dirichlet Problem in Hadamard Manifolds, arXiv:0908.3590

[7] Smith G., Hyperbolic Plateau problems, math.DG/0506231.

[8] Smith G., Finite area and volume of pointed k-surfaces, arXiv:0709.0393

Conference Proceedings:

[9] Smith G., Problèmes de Plateau equivariants, *Actes de séminaire de théorie spectrale et géométrie, Institut Fourier, Grenoble*, (2005-2006), 67–78

[10] Smith G., Benecke A., Chromatin dynamics and initial symmetry breaking during transcription and epigenetic regulation, *Supercomputing in Nuclear Applications Conference, Palais de Congres, Paris, France* (Sep. 2003).

Education

2000-2001 DEA Pure Maths, l'**Université Paris XI** (Orsay, France).

DEA Thesis Entitled: "Indice des opérateurs de Dirac par la méthode du noyau de chaleur", under the direction of **Nicole Berline** (Ecole Polytechnique, France).

1999-2000 Intensive French Courses.

1998-1999 Diploma of Advanced Studies in Mathematics, **Cambridge University** (Cambridge, England), Received with **Distinction**.

Masters Thesis Entitled: "A Study of Teichmüller Space", under the direction of **Dr T. K. Carne** (King's College, Cambridge, England)

1995-1998 Degree, Pure Mathematics, **Cambridge University** (Cambridge, England), **1st class**.

Previous Experience

Organiser, Postdoc Spring School, MPI Bonn (avril 2008)

Organiser of the spring school, "Field Theory, String Theory and Gromov-Witten Invariants" at the Max Planck Institute, Bonn, Germany.

ATER at **l'Université de Paris XI** (Orsay, France, 2004-2005)

Charged with teaching mathematics with option topology to 4th semester DEUG students.

Tutor at **l'Université Paris XI** (Orsay, France, 2002-2003)

Charged with assisting erasmus students at DEUG and Licence level.

Research Assistant in Biomathematics at **l'IHES** (Bures sur Yvette, France, 2001-2004)

Charged with developing a program permitting the study of nucleosome behaviour during the transcription of DNA, and developing a mathematical model underlying this behaviour.

Work Experience, Actuarial, **Lane, Clark & Peacock** (London, Summer 98, Sep. 99 - Mar. 00)

Charged with developing a stochastic model permitting an improved estimate of the variance of expected losses in general insurance, and with developing programs to simplify various day-to-day tasks within the company.

Work Experience, Programming, **Financial & Property Software** (Stirling, Scotland, Summers 1992 to 1997 Inclusive)

Charged with developing a version control system permitting the coordination of work carried out within the company and with debugging the principal product of this company.

Other

English	**Mother tongue**.
French	Bilingual.
German	Fluent.
Spanish	Good.
Latin, Hebrew	Elements.
Computing	I was there when personal computing began...