

GRAHAM ANDREW CRAIG SMITH

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SUMMARY

- I am a *research mathematician* specialising in the applications of Classical Surface Theory to problems of contemporary mathematics. My scientific expertise include Partial Differential Equations, Hyperbolic Geometry, Soliton Theory and General Relativity.
- I am an *experienced administrator*, having served, first as vice head, then as head of a large department for a total of 6 years.
- I am an *experienced public speaker*, having presented my work in over 30 international conferences.
- I have *extensive IT experience* across a broad range of platforms, having developed fully functional Version Control Systems, Online Examination Platforms and various administrative tools.
- I am well travelled and have *achieved fluency* in the language of every country I have lived in.
- I enjoy art, literature, music and dance.

CURRENT POSITION

Institution: Universidade Federal do Rio de Janeiro (Federal University of Rio de Janeiro)

Title: Professor Associado (Associate Professor)

Period: 02/2013–Present

LANGUAGES

English: Native

French: Fluent

Portuguese: Fluent

Spanish: Advanced

German: Advanced

Catalan: Elementary

Hebrew: Elementary

QUALIFICATIONS

- 1 - Habilitation à diriger les recherches, Université Grenoble-Alpes, France, 08/02/2017
- 2 - PhD, supervised by François Labourie, Université Paris XI, France, 13/12/2004
- 3 - MA Mathematics, University of Cambridge, UK, 2002
- 4 - DEA (Masters II), Université Paris XI, France, 2001
- 5 - Certificate of Advanced Studies in Mathematics (Masters I), University of Cambridge, UK, 1999
- 6 - BA Mathematics, University of Cambridge, UK, 1998

SCIENTIFIC VISITS AND POSTDOCS

- 1 - 6 month scientific visit, l'Institut des Hautes Études Scientifiques (IHES), Paris, France, 03/01/2022–30/06/2022
- 2 - Postdoc, IMPA, Rio de Janeiro, Brasil, 10/2012–02/2013
- 3 - Marie Curie Postdoctoral Fellow, Centre de Recerca Matemàtica, Barcelona, Spain, 10/2010–12/2012
- 4 - Postdoc, IMPA, Rio de Janeiro, Brasil, 03/2010–09/2010
- 5 - Visiting professor, Departament de Matemàtiques, Universitat Autònoma de Barcelona, Barcelona, Spain, 11/2009–02/2010
- 6 - Postdoc, Centre de Recerca Matemàtica, Barcelona, Spain, 10/2008–09/2009
- 7 - Postdoc, Max Planck Institute for Mathematics, Bonn, Germany, 10/2007–09/2008
- 8 - Postdoc, Max Planck Institute for Mathematics in the Sciences, Leipzig, Germany, 10/2005–09/2007

ACADEMIC OUTPUT

1 - Papers published or accepted for publication.

- P1** - Magaña C., Smith G., On eternal mean curvature flows of tori in perturbations of the unit sphere, to appear in *Pac. J. Math.*
- P2** - Smith G., Möbius structures, hyperbolic ends and k -surfaces in hyperbolic space, to appear in "In the Tradition of Thurston, Vol. II", (Ohshika K., Papadopoulos A. ed.), Springer Verlag, (2022)
- P3** - Smith G., Stern A., Tran H., Zhou D., On the Morse index of higher-dimensional free boundary minimal catenoids, to appear in *Calc. Var. PDEs*.
- P4** - Alvarez S., Prescription de courbure des feuilles des laminations: retour sur un théorème de Candel, to appear in *Ann. Inst. Fourier*
- P5** - Smith G., On the Weyl problem in Minkowski space, *Int. Math. Res. Not.*, (2021)
- P6** - Kilian M., Smith G., On the elliptic sinh-Gordon equation with Durham boundary conditions, *Non-linearity*, **34**, no. 8, 5119–5135
- P7** - Smith G., On an Enneper-Weierstrass-type representation of constant Gaussian curvature surfaces in 3-dimensional hyperbolic space, in "Minimal surfaces: Integrable systems and Visualisation" (Hoffmann T., Kilian M., Leschke K., Martin G. ed.), Springer Proceedings in Mathematics and Statistics, **349**, (2021)
- P8** - Alvarez S., Smith G., Earthquakes and graftings of hyperbolic surface laminations, *Int. Math. Res. Not.*, (2020)
- P9** - Smith G., A short proof of an assertion of Thurston concerning convex hulls, in "In the tradition of Thurston", (Alberge V., Ohshika K., Papadopoulos A. ed.), Springer Verlag, (2020)
- P10** - Smith G., The Plateau problem for convex curvature functions, *Ann. Inst. Fourier*, **70**, no. 1, 1–66, (2020)
- P11** - Fillastre F., Smith G., A note on invariant constant curvature immersions in Minkowski space, *Geom. Dedicata*, **206**, no. 1, 75–82, (2020)
- P12** - Rosenberg H., Degree Theory of Immersed Hypersurfaces, *Mem. Amer. Math. Soc.*, **265**, no. 1290, (2020)
- P13** - Smith G., Eternal forced mean curvature flows II - Existence, *Pacific J. Math.*, **299**, no. 1, 191–235, (2019)
- P14** - Smith G., Zhou D., The Morse index of the critical catenoid, *Geom. Dedicata*, **201**, 13–19, (2019)
- P15** - Fillastre F., Smith G., Group actions and scattering problems in Teichmüller theory, in The Handbook of Group Actions, Vol. III, Advanced Lectures in Mathematics, 40, International Press, Boston, (2018)
- P16** - Smith G., Constant scalar curvature hypersurfaces in $(3 + 1)$ -dimensional GHMC Minkowski spacetimes, *J. Geometry Phys.*, **128**, 99–117, (2018)
- P17** - Máximo D., Nuñez I., Smith G., Free boundary minimal annuli in convex three-manifolds, *J. Diff. Geom.*, **106**, No. 1, (2017)
- P18** - Smith G., Bifurcation of solutions to the Allen-Cahn equation, *J. London Math. Soc.*, **94**, no. 3, (2016), 667–687
- P19** - Smith G., Global Singularity Theory for the Gauss Curvature Equation, *Ensaos Matemáticos*, **28**, (2015), 1–114
- P20** - Smith G., Eternal forced mean curvature flows I - a compactness result, *Geom. Dedicata*, **176**, no. 1, (2014), 11–29
- P21** - Smith G., Hyperbolic Plateau problems, *Geom. Dedicata*, **176**, no. 1, (2014), 31–44
- P22** - Smith G., Compactness results for immersions of prescribed Gaussian curvature II - geometric aspects, *Geom. Dedicata*, **172**, no. 1, (2014), 303–350
- P23** - Clarke A., Smith G., The Perron Method and the Non-Linear Plateau problem, *Geom. Dedicata*, **163**, no. 1, (2013), 159–165
- P24** - Smith G., The non-linear Plateau problem in non-positively curved manifolds, *Trans. Amer. Math. Soc.*, **365**, (2013), 1109–1124
- P25** - Smith G., Special Lagrangian curvature, *Math. Annalen*, **335**, no. 1, (2013), 57–95
- P26** - Smith G., Compactness results for immersions of prescribed Gaussian curvature I - analytic aspects, *Adv. Math.*, **229**, (2012), 731–769
- P27** - Smith G., Moduli of Flat Conformal Structures of Hyperbolic Type, *Geom. Dedicata*, **154**, no. 1, (2011), 47–80

- P28** - Smith G., Equivariant Plateau problems, *Geom. Dedicata*, **140**, no. 1, (2009), 95–135
P29 - Smith G., An Arzela-Ascoli Theorem for Immersed Submanifolds, *Ann. Fac. Sci. Toulouse Math.*, **16**, no. 4, (2007), 817–866
P30 - Smith G., Problmes de Plateau equivariants, *Sémin. Théor. Spectr. Géom.*, **24**, (2007), 67–78
P31 - Smith G., Pointed k-surfaces, *Bull. Soc. Math. France*, **134**, no. 4, (2006), 509–557

2 - Translations.

T1 - *Tradução de alemão para inglês* de Hüber A., Zum potentialtheoretischen Aspekt der Alexandrowschen Flächentheorie, *Comm. Math. Helv.*, **34**, 99–126, (1960)

3 - Completed papers submitted for review.

- S1** - Smith G., On the asymptotic Plateau problem in Cartan-Hadamard manifolds, arXiv:2107.14670
S2 - Smith G., On the asymptotic geometry of finite-type k-surfaces in three-dimensional hyperbolic space, arXiv:1908.04834
S3 - Jiménez-Grande A., Smith G., On embedded minimal surfaces of Costa-Hoffman-Meeks type in hyperbolic space, arXiv:1805.12194
S4 - Smith G., On complete embedded translating solitons of the mean curvature flow that are of finite genus, arXiv:1501.04149

4 - Completed papers awaiting revision.

Although I am satisfied with the content of the following papers, I find that their presentation requires a complete revision.

- R1** - Smith G., Eternal forced mean curvature flows III - Morse homology, arXiv:1601.03437
R2 - Smith G., Constant curvature hyperspheres and the Euler Characteristic, arXiv:1103.3235

ADMINISTRATIVE ACTIVITIES

1 - Administrative activities internal to UFRJ.

- 1** - Head of Department, Mathematics Department, Mathematics Institute, UFRJ, 12/02/2019–07/12/2020.
2 - Vice Head of Department, Mathematics Department, Mathematics Institute, UFRJ, 19/11/2014–12/02/2019.
3 - President of the Subcommission CPA-CCMN (Internal UFRJ Evaluation Commission), 23/06/2020–31/12/2021.
4 - Substitute president of the CPA (Internal UFRJ Evaluation Commission), 23/06/2020–31/12/2021.
5 - Participating member of the CCMN-UFRJ Working group on the academic impact of the COVID pandemic, 23/06/2020–31/12/2021.
6 - Participating member of the Commission for the Purchase of Videoconferencing Software, 29/09/2020–31/12/2020.

2 - Hiring committees.

- 1** - Public call for Adjunct Professors, UFRJ, 2021
2 - Public call for Adjunct Professors, UFF-Niteroi, 2019
3 - Public call for Adjunct Professors, UFF-Niteroi, 2016

3 - Events and seminars.

- 1** - Pangolin seminar, organised jointly with Sébastien Alvarez (Universidad de la República), François Fillastre (Université de Cergy-Pontoise) and Andrea Seppi (Université Grenoble-Alpes).
2 - First geometry meeting of the Instituto de Matemática UFRJ, organised jointly with Maria Fernanda Elbert, 2 day event, 2021
3 - GDAR Mini Workshop, IM-UFRJ, 1 day event, 2018
4 - Spring School: Geometry and Physics, 1 week event, 2008

TEACHING EXPERIENCE AND ORIENTATIONS

1 - Disciplines taught.

- 1 - “An introduction to Gromov-Witten Invariants”, Max Planck Institute, Leipzig, Alemanha, 8 hours, 04/2007-06/2007
- 2 - “Symplectic Gromov-Witten Invariants”, Max Planck Institute, Bonn, Alemanha, 2 hours, 2008
- 3 - “An introduction to Morse/Floer Homology”, Centro de Recerca Matemática, Barcelona, Espanha, 10 hours, 2012
- 4 - Cálculo 1, Undergraduate UFRJ, 2 classes of 60 hours, 2013-1
- 5 - Cálculo 4, Undergraduate UFRJ, 1 classes of 40 hours, 2013-2
- 6 - Tópicos em Geometria, Graduate UFRJ, 1 class of 40 hours, 2014-1
- 7 - Cálculo 1, Undergraduate UFRJ, 2 classes of 60 hours, 2014-2
- 8 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2015-1
- 9 - Geometria Diferencial, Graduate UFRJ, 1 class of 40 hours, 2015-1
- 10 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2015-2
- 11 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2016-1
- 12 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2016-2
- 13 - Análise Geométrica, Graduate UFRJ, 1 class of 40 hours, 2016-2
- 14 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2017-1
- 15 - Geometria Diferencial, Undergraduate UFRJ, 1 class of 40 hours, 2017-2
- 16 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2018-1
- 17 - Topologia Diferencial, Graduate UFRJ, 2018-1
- 18 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2018-2
- 19 - Topologia Diferencial, Graduate UFRJ, 1 class of 40 hours, 2019-1
- 20 - Geometria Riemanniana, Graduate UFRJ, 1 class of 40 hours, 2019-2
- 21 - Geometria Diferencial, Graduate UFRJ, 1 class of 40 hours, 2020-1
Classes available online at http://im.ufrj.br/~moriarty/GD_2020_1/index.php
- 22 - Geometria Riemanniana, Graduate UFRJ, 1 class of 40 hours, 2020-4 (PLE)
Classes available online at http://im.ufrj.br/~moriarty/GD_PLE/index.php
- 23 - Geometria Diferencial, Graduate UFRJ, 1 class of 40 hours, 2021-1
Classes available online at http://im.ufrj.br/~moriarty/GD_2021_1/index.php
- 24 - Análise Geométrica, Graduate UFRJ, 1 class of 40 hours, 2021-1
Classes available online at http://im.ufrj.br/~moriarty/AG_2021_1/index.php
- 25 - Cálculo 4, Undergraduate UFRJ, 1 class of 40 hours, 2021-1
Classes available online at
<https://www.youtube.com/playlist?list=PLgiGE2bd21CrnKRL1E8JGv5QXQ4VLV8VY>

2 - Orientations.

- 1 - Dennis Leonardo Becerra Hernandez, Master’s Thesis entitled “Espaços homogêneos e grupos de Lie”, defendida 10/10/2017
- 2 - Claudia Veronica Salas Magaña, PhD Thesis entitled, “Sobre fluxos de curvatura média eternos em perturbações de S^3 ”, defendida 02/06/2020
- 3 - Pedro Henrique Birindiba Batista, PhD Orientation, in progress.
- 4 - Ian Mateus Brito Perreira, Master’s Orientation, in progress.
- 5 - Lejzer Javier Castro Tapia, Master’s Orientation, in progress.

PRESENTATIONS

1 - Seminars.

- 1 - The Kulkarni-Pinkall form and locally strictly convex immersions in \mathbb{H}^3 , Seminario de Geometría, Universidad de Granada, Spain, 2021
- 2 - On the Weyl problem in Mikowski space, Differential Geometry Seminar, Technische Universitaet Wien, Austria, 2021

- 3** - On the asymptotic structure of finite-type k -surfaces in 3-dimensional hyperbolic space, Pangolin Seminar, 2020
- 4** - On eternal forced mean curvature flows of tori in perturbations of the unit sphere, Pangolin Seminar, 2020
- 5** - Complete embedded minimal surfaces of Costa-Hoffman-Meeks type in 3-dimensional hyperbolic space, Seminário de Geometria Diferencial, Universidade de Brasília, Brasil, 2019
- 6** - On the asymptotic geometry of finite-type k -surfaces in three-dimensional hyperbolic space, Geometry Seminar, University of Leicester, UK, 2019
- 7** - On an integrable system with boundary, Séminaire GEDP, Université de Cergy-Pontoise, France, 2019
- 8** - Superfícies mínimas de gênero finito no espaço hiperbólico, Seminario de Geometria Diferencial, UFF, Brasil, 2018
- 9** - On the Morse index of higher dimensional free boundary minimal annuli, Geometry Seminar, PUC-Rio, Brasil, 2018
- 10** - On the Morse index of higher dimensional free boundary minimal annuli, Geometry Seminar, University College Cork, Ireland, 2018
- 11** - Special Lagrangian Curvature, Seminário de Geometria, Universidade de São Paulo, Brasil, 2015
- 12** - Perturbing the Costa Surface, Geometry Seminar, Universidad Autónoma de Barcelona, Spain, 2015
- 13** - Cauchy surfaces of constant scalar curvature in Minkowski spacetimes, Seminário de Geometria Diferencial, IMPA, Brasil, 2015
- 14** - On complete finite area surfaces of constant extrinsic curvature in 3-dimensional hyperbolic space, Seminário de Geometria Diferencial, IMPA, Brasil, 2014
- 15** - Bifurcation for solutions of the Allen-Cahn equation, Seminário de Geometria, Universidade de Brasília, Brasil, 2014
- 16** - Orbifolds in an infinite-dimensional setting, Seminário de Geometria Diferencial, IMPA, Brasil, 2013
- 17** - Orbifolds in an infinite-dimensional setting (part II), Seminário de Geometria Diferencial, IMPA, Brasil, 2013
- 18** - The Plateau problem for convex curvature functions, Séminaire de Géométrie, Université Paul Sabatier, France, 2012
- 19** - Le problème de Plateau pour les fonctions de courbure convexes, Séminaire de théorie spectrale et géométrie, Université Grenoble-Alpes, France, 2012
- 20** - Compacité des sphères plongées à courbure gaussienne constante, Séminaire de Géométrie, Université Paris VII, France, 2011
- 21** - Théorie de degré des hypersurfaces immergées, Séminaire de Géométrie, Université Paris VII, France, 2011
- 22** - The Euler characteristic and the generalised Minkowski problem, Geometry Seminar, Universidad Autonoma de Madrid, Spain, 2011
- 23** - Immersed spheres of constant Gaussian curvature in three dimensional manifolds, Geometry Seminar, Universität Heidelberg, Germany, 2011
- 24** - Compactness for CMC surfaces, Seminário de Géométrie, UFF, Brasil, 2011
- 25** - Geometric barrier techniques and the non-linear Plateau problem, Seminari d'Equacions en Derivadas Parciais i Aplicacions, Universitat Politècnica de Catalunya, Spain, 2011
- 26** - The non-linear Dirichlet problem in Hadamard manifolds, Séminaire de Géométrie, Université Paris VII, France, 2010
- 27** - Le problème de Dirichlet non-linéaire dans des variétés d'Hadamard, Sminaire GEDP, Université Cergy-Pontoise, France, 2010
- 28** - The non-linear Plateau problem in Hadamard manifolds, Oberseminar Analysis, Geometrie und Physik, Freie Universität Berlin, Germany, 2010
- 29** - The non-linear Dirichlet problem in negatively curved manifolds, Oberseminar Geometrie, Max Planck Institute for Mathematics in the Sciences, Germany, 2010
- 30** - The non-linear Plateau problem in Hadamard manifolds, Seminário de Geometria Diferencial, IMPA, Brasil, 2010
- 31** - Degree theory for immersed hypersurfaces, Seminário de Geometria Diferencial, IMPA, Brasil, 2010
- 32** - The Plateau problem for general convex curvature functions, Seminário de Geometria Diferencial,

IMPA, Brasil, 2010

33 - Barrier techniques in hypersurface theory, Seminário Análise-EDP, UFRJ, Brasil, 2010

34 - Barrier techniques and the non-linear Plateau problem, Seminario de Geometría, Universidad de Granada, Spain, 2010

35 - Degree theory of immersed submanifolds, Seminario de Geometría, Universidad de Granada, Spain, 2010

36 - k -surfaces à points, Séminaire de Géométrie, Université de Nantes, France, 2008

37 - Feuilletages à courbure spéciale lagrangienne constante des variétés hyperboliques, 2008

38 - Constant curvature foliations of hyperbolic ends, Seminar Geometrie, Ludwig Maximilians Universität, Germany, 2008

39 - Constant curvature foliations of hyperbolic ends, Seminar Geometrie, Westfälische Wilhelms Universität, Germany, 2008

40 - Feuilletages à courbure spéciale lagrangienne constante, Séminaire de Géométrie, Université de Cergy-Pontoise, France, 2008

41 - k -surfaces à points, Séminaire de Géométrie, Université Paris VII, France, 2007

42 - Pointed k -surfaces, Seminar Geometrie, Max Planck Institute for Mathematics in the Sciences, Germany, 2007

43 - Problèmes de Plateau equivariants, Séminaire d'Analyse, Université de Cergy-Pontoise, France, 2006

44 - Equivariant Plateau problems, Seminar Symplektische Geometrie, Universität Leipzig, Germany, 2006

45 - Problèmes de Plateau equivariants, Séminaire de géométrie ergodique, École Polytechnique, France, 2006

46 - Problèmes spéciaux legendriens, Séminaire de géométrie, Université Claude Bernard, France, 2005

47 - Problèmes spéciaux legendriens, Séminaire de groupes et géométrie, Université Paul Sabatier, France, 2005

48 - Special legendrian problems, Seminar Geometrie, Max Planck Institute for Mathematics in the Sciences, Germany, 2005

49 - Problèmes de Plateau equivariants, Séminaire de théorie spectrale et géométrie, Université Grenoble-Alpes, France, 2005

50 - Equivariant Plateau problems, Seminar Geometrie, Max Planck Institute for Mathematics in the Sciences, Germany, 2005 2005

51 - Problèmes de Plateau equivariants, Séminaire de géométrie symplectique, École Polytechnique, France, 2005

2 - Conferences.

1 - Finite-type k -surfaces, in “Geometry, groups and dynamics”, conference in honour of François Labourie, Cargèse, France, 2022

2 - Milking the cow: getting the most out of functional norms, in “Grupo de Trabalho GD 2019”, UFF, Brasil, 2019

3 - Constant mean curvature annuli and the sinh-Gordon equation, in “32º Colóquio Brasileiro de Matemática”, IMPA, Brasil, 2019

4 - On eternal mean curvature flows of 2-tori in the 3-sphere, in “1º Joint Meeting Brazil-France in Mathematics”, IMPA, Brasil, 2019

5 - On the elliptic sinh-Gordon equation with Durham boundary conditions, in “Minimal surfaces: integrable systems and visualisation”, University of Leicester, UK, 2019

6 - On the Morse index of higher dimensional free boundary minimal catenoids, in “IIº Workshop de Geometria Diferencial”, UFF, Brasil, 2018

7 - On the Morse index of higher dimensional free boundary minimal annuli, in “VIIIº Workshop de Geometria Diferencial”, UFA, Brasil, 2018

8 - Morse homology and problems of prescribed mean curvature, in “Geometric analysis, metric geometry and topology”, Université Grenoble-Alpes, France, 2016

9 - Morse homology and problems of prescribed mean curvature, in “International Conference in Geometry”, University of Macau, Macau, 2016

10 - How to perturb the Costa surface, in “Grupo de trabalho de geomtria diferencial”, UFF, Brasil, 2015

11 - On translating solitons of the mean curvature flow that are of finite genus, in “Workshop on geometric

flows”, Universidad de Granada, Spain, 2015

12 - On singular perturbations of the Morse complex, in “30° Colóquio Brasileiro de Matemática”, IMPA, Brasil, 2015

13 - Perturbing the Costa surface, in “XLIV° Escola de Verão”, UnB, Brasil, 2015

14 - On complete embedded translating solitons of the mean curvature flow that are of finite genus, in “Workshop on Geometric Flows”, Universidad de Granada, Spain, 2015

15 - On complete embedded translating solitons of the mean curvature flow that are of finite genus, in “V° Workshop de Geometria Diferencial”, UFA, Brasil, 2015

16 - A new Weierstrass type representation for constant extrinsic curvature surfaces in hyperbolic space, in “IV° Workshop in Differential Geometry”, UFA, Brasil, 2014

17 - On an Enneper-Weierstrass-type representation of constant Gaussian curvature surfaces in 3-dimensional hyperbolic space, in “Geometric Analysis at Roscoff”, Université de Bretagne Occidentale, France, 2014

18 - On an Enneper-Weierstrass type representation of constant Gaussian curvature surfaces in 3-manifolds, in “XVIII° Escola de Geometria Diferencial”, UnB, Brasil, 2014

19 - On an Enneper-Weierstrass type representation of constant Gaussian curvature surfaces in 3-manifolds, in “New trends in differential geometry”, Universitat Roma, Italy, 2014

20 - On an Enneper-Weierstrass-type representation of constant Gaussian curvature surfaces in 3-dimensional hyperbolic space, in “Teichmüller Theory and Surfaces in 3-Manifolds”, Centro di Giorgi, Italy, 2014

21 - Free-boundary minimal surfaces in convex 3-manifolds, in “29° Colóquio Brasileiro de Matemática”, IMPA, Brasil, 2013

22 - Extremal hypersurfaces in convex 3-manifolds, in “III° Workshop de Geometria Diferencial”, UFA, Brasil, 2013

23 - Barrier techniques and the non-linear Plateau problem, in “Congreso de la Real Sociedad Matemática Española”, Ávila, Spain, 2011

24 - Constant curvature immersed hypersurfaces and the Euler characteristic, in “International Conference on Surface Theory”, Universidad de Sevilla, Spain, 2011

25 - The Plateau problem for general curvature functions, in “28° Colóquio Brasileiro de Matemática”, IMPA, Brasil, 2011

26 - The non-linear Plateau problem in Hadamard manifolds, in “Algebraic, geometric and analytic aspects of surface theory”, IMPA, Brasil, 2010

27 - The Plateau problem in Hadamard manifolds, in “XVI° Escola Brasileira de Geometria Diferencial”, USP, Brasil, 2010

28 - Non-linear Dirichlet problems in Hadamard manifolds, in “Jornada de Geometria”, Universidad de Granada, Spain, 2009

29 - Constant curvature foliations of hyperbolic ends, in “Advanced Course in Geometric Flows and Hyperbolic Geometry”, Centre de Recerca Matemàtica, Spain, 2008

30 - Constant curvature foliations of hyperbolic ends, in “Advanced Course in Geometric Flows and Hyperbolic Geometry”, em “Dynamical Systems - Geometric structures and rigidity”, Stefan Banach Centre, Poland, 2008

<https://www.impan.pl/en/activities/banach-center/conferences?y=2008>

31 - Positive Special Legendrian Submanifolds and Weingarten Problems, in “Summer School and Conference: Geometric Analysis and Nonlinear PDEs”, Stefan Banach Centre, Poland, 2007

<https://www.mimuw.edu.pl/~ga2007/>