

PASCAL BÉGOUT

Last and first name	BÉGOUT Pascal Married, 3 children
Place and date of birthday	April 29 th , 1974 at Vincennes (France, 94)
Position	Assistant professor at " Université Toulouse I – Capitole " and researcher at TSE (Toulouse School of Economics) and " Institut de Mathématiques de Toulouse "
Email	Pascal.Begout@tse-fr.eu
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1. CURRICULUM VITÆ AND POSITIONS

- 2008 – Researcher at TSE and the “Institut de Mathématiques de Toulouse” (in the M@D group) and assistant professor at the “Université Toulouse I”
- 2006 – 2008 Temporary researcher position at the “Laboratoire d’Analyse et Probabilités” of the “Université d’Évry Val d’Essonne”
- 2005 – 2006 Temporary researcher position at the “Laboratoire Jacques-Louis Lions” of the “Université Pierre et Marie Curie”
- 2003 – 2005 Postdoc researcher position at the “Departamento de Matemática Aplicada” of the “Universidad Complutense de Madrid”, with Jesús Ildefonso Díaz and at the “Departamento de Matemáticas” of the “Universidad Autónoma de Madrid”, with Enrique Zuazua
- 2001 – 2003 Temporary researcher position at the “Université Versailles Saint-Quentin-en-Yvelines” at the “laboratoire de Mathématiques Appliquées”
- 2001, Dec. 6th PhD in Sciences speciality “applied mathematics and application of mathematics” ([pdf](#))

2. PUBLICATIONS AND WORKS IN PROGRESS

PUBLICATIONS

- [1] Pascal Bégout, Jérôme Bolte and Mohamed Ali Jendoubi, *On damped second-order gradient systems*, J. Differ. Equations **259**(7) (2015) 3115–3143 ([pdf](#))
- [2] Pascal Bégout and Jesús Ildefonso Díaz, *Existence of weak solutions to some stationary Schrödinger equations with singular nonlinearity*, Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat., RACSAM **109** (1) (2015) 43–63 ([pdf](#))

- [3] Pascal Bégout and Jesús Ildefonso Díaz, *A sharper energy method for the localization of the support to some stationary Schrödinger equations with a singular nonlinearity*, Discrete Contin. Dyn. Syst. Series A **34**(9) (2014) 3371–3382 ([pdf](#))
- [4] Pascal Bégout and Jesús Ildefonso Díaz, *Self-similar solutions with compactly supported profile of some nonlinear Schrödinger equations*, Electron. J. Differential Equations **90** (2014) 1–15 ([pdf](#))
- [5] Pascal Bégout and Jesús Ildefonso Díaz, *Localizing estimates of the support of solutions of some nonlinear Schrödinger equations – The stationary case*, Ann. Inst. H. Poincaré Anal. Non Linéaire **29**(1) (2012) 35–58 ([pdf](#))
- [6] Pascal Bégout and Fernando Soria, *A generalized interpolation inequality and its application to the stabilization of damped equations*, J. Differ. Equations **240**(2) (2007) 324–356 ([pdf](#))
- [7] Pascal Bégout and Ana Vargas, *Mass concentration for the L^2 -critical nonlinear Schrödinger equation*, Trans. Amer. Math. Soc. **359**(11) (2007) 5257–5282 ([pdf](#))
- [8] Pascal Bégout and Jesús Ildefonso Díaz, *On a nonlinear Schrödinger equation with a localizing effect*, C. R. Acad. Sci. Paris, Sér. I **342** (2006) 459–463 ([pdf](#))
- [9] Pascal Bégout, *Maximum decay rate for finite-energy solutions of nonlinear Schrödinger equations*, Differential Integral Equations 17(11-12) (2004) 1411–1422 ([pdf](#))
- [10] Pascal Bégout, *Maximum decay rate for the nonlinear Schrödinger equation*, NoDEA Non-linear Differential Equations and Applications **11**(4) (2004) 451–467 ([pdf](#))
- [11] Pascal Bégout, *Necessary conditions and sufficient conditions for global existence in the nonlinear Schrödinger equation*, Advances in Mathematical Sciences and Applications 12(2) (2002) 817–827 ([pdf](#))
- [12] Pascal Bégout, *Convergence to scattering states in the nonlinear Schrödinger equation*, Communications in Contemporary Mathematics 3(3) (2001) 403–418 ([pdf](#))

3. SCIENTIFIC ACTIVITIES

2015	Member of the CNU (“Conseil National des Universités”) – 26 th section
2011 – 2013	In charge of the seminary M@thématiques de la Décision (M@D) of “Toulouse School of Economics” (TSE)
2010 – 2011	Member of the committee selection in applied mathematics section (n°26) of the “Université Toulouse I – Capitole”
2009 –	Member of the committee of the library of the “Institut de Mathématiques de Toulouse”
2008 – 2009	In charge of the seminary “Analyse–EDP” of the “Université Toulouse I”
2006 – 2008	In charge of the “Séminaire d’Analyse” of the department of mathematics of the “Université d’Évry Val d’Essonne”
2006 –	Reviewer for Mathematical Reviews
2003 –	Referee for mathematics journals

• List of the Mathematical Reviews (34 reviews) :

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|----------------------------------------------------|------------------------------------------------|
| → <i>Acta Math. Appl. Sin. Engl. Ser.</i> | → <i>Adv. Differential Equations</i> |
| → <i>Appl. Math. Research eXpress</i> | → <i>Astérisque</i> |
| → <i>Comm. Math. Phys.</i> | → <i>Commun. Pure Appl. Anal.</i> |
| → <i>Forum Math.</i> | → <i>Hokkaido Math. J.</i> |
| → <i>International Congress of Mathematicians.</i> | → <i>Internat. Math. Res. Notices</i> |
| <i>Eur. Math. Soc., Zürich</i> | → <i>J. Differential Equations</i> |
| → <i>J. Math. Anal. Appl.</i> | → <i>Math. aspects of nonlinear dispersive</i> |
| → <i>Math. Methods Appl. Sci.</i> | → <i>Proc. Roy. Soc. Edinburgh Sect. A</i> |
| <i>equations, Ann. of Math. Stud.</i> | → <i>Séminaire Bourbaki</i> |
| → <i>SIAM J. Math. Anal.</i> | → <i>Trans. Amer. Math. Soc.</i> |
| → <i>Nonlinearity</i> | → <i>Math. Ann.</i> |
| → <i>Annali di Matematica</i> | → <i>Amer. Math. Soc. Transl. Ser.</i> |
| → <i>Appl. Math. Comput.</i> | → <i>Differential Integral Equations</i> |

- List of the refereed journals (22 reviews) : *Bulletin of the Korean Mathematical Society* (2015, July), *Abstract and Applied Analysis* (2015, May), *Proceedings of the Royal Society of Edinburgh* (2014, November), *Nonlinear Analysis Series A : Theory, Methods & Applications* (2014, November), *Electronic Journal of Differential Equations* (2014, November & 2013, January), *Ann. Acad. Sci. Fenn., Math.* (2014, February), *Reports on Mathematical Physics* (2012, December ; 2011, September), *Chaos, Solitons & Fractals* (2012, September), *Applied Mathematics Letters* (2012, May), *Journal of Physics A : Mathematical and Theoretical* (2012, January), *Archiv der Mathematik* (2011, November), *Applicable Analysis* (2011, August), *Mathematics and Computers in Simulation* (2011, May), *Nonlinearity* (2011, March), *The Royal Society of Edinburgh Proceedings Sect. A* (2009, November), *Journal of Hyperbolic Differential Equations* (2009, July), *Journal of Differential Equations* (2008, March), *Rocky Mountain Journal of Mathematics* (2006, October), *Journal of Mathematical Analysis and Applications* (2005, March) et *Discrete and Continuous Dynamical Systems* (2003, April).