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Born, december 20th 1969 in Ingwiller (France).
French national, single, 1 child, free of national service.

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Curriculum Vitae

*Associate-Professor at the University of Orléans, France
(Harmonic Analysis and Applications)*

Positions held

Current position:

Since september 1999 : Associate-Professor (Maître de conférences) in Applied Mathematics at the University of Orléans, France.

Former positions:

First semester 2004–2005 : On sabbatical at CNRS, France.

1998–1999 : Post-doc (with teaching) at University of Orléans, France.

1996–1998 : Tutor at Université d'Orléans, France.

1995–1996 : French National Service in cooperation at Flinders University of Adélaide, Australia.

First semester 1994–1995 : Tutor at Université d'Orléans, France.

Studies

2007 : Habilitation in mathematics at the University of d'Orléans, *Contributions à l'analyse harmonique réelle et complexe et à ses applications [Contributions to real and complex harmonic analysis and to its applications]*, defended on july 2, 2007.

1993–1994 et 1995–1998 : PhD in mathematics at the University of d'Orléans, *Trois Problèmes d'Analyse Harmonique [Three problems in harmonic analysis]*, supervised by A. Bonami and C. Delaroche-Anantharaman, defended on june 29, 1998.

1992–1993 : Masters in Pure Math at University Paris XI-Orsay, École Polytechnique, École Normale Supérieure.

1991–1992 : BsC in mathematics at University Paris XI-Orsay, France.

1990–1994 : École Normale Supérieure de Cachan, France.

Main research activities

Member of research networks

Current networks :

Since 1998 : French GDR *Analyse Pluri-Complexe*, coordoninator P. Thomas.

Since 1998 : French GDR *Analyse Fonctionnelle et Harmonique*, coordoninator J. Esterles, E. M. Ouhabaz. *Since 2007 :* French ANR *Analyse Harmonique pour les Problèmes Inverses*, coordoninator L. Baratchart.

Former networks :

2004–2006 : French-Hungarian project *Extremal Problems in Fourier Analysis*, coordinators S. Revez (Budapest) and L. Habsieger (Lyon).

2002–2006 : EU IHP network *Harmonic Analysis and Related Problems (HARP)*, coordinator A. Bonami (Orléans).

2002–2005 : EU IHP network *HYperbolic and Kynetic Equations (HYKE)*, coordinator N. Mauser (Vienna).

1998–2002 : EU TMR network *Harmonic Analysis on Euclidean Spaces and their Counterparts in Lie Groups and Homogeneous Spaces*, coordinator P. Sjögren (Göteborg).

Invitations

November 2006 : Renyi Institute, Budapest, Hongrie, invited by *M. Matolcsi* (1 week).

September 2006 : Université de Wrocław, Pologne, invited by *J. Dziubanski* and *E. Damek* (3 weeks).

Avril 2006 : Université Vanderbilt de Nashville, USA, invited by *A. Powell* (1 week).

November 2005 : Indian Institute of Technology, Kanpur, India, invited by *S. Madan*, *R. Ramat* et *S. K. Ray* (4 weeks).

September 2005 : Renyi Institute, Budapest, Hungary, invited by *M. Matolcsi* and *S. Revez* (10 jours).

Febuary 2005 : Universita Autonoma Nazionale de Mexico, Cuernavaca, Mexico, invited by *S. Perez-Esteva* (10 days).

November 2004 and January 2005 : Université du Missouri, Columbia, USA, invited by *L. Grafakos* and *A. Iosevitch* (6 weeks).

September 2004 : Wrocław University, Poland, invited by *J. Dziubanski* and *E. Damek* (2 weeks).

July 2003 : Universita Autonoma Nazionale de Mexico, Cuernavaca, Mexico, invited by *S. Perez-Esteva* (1 week).

May 2003 : National University of Crete in Iraklio, Crete, invited by *M. Kolountzakis* (2 weeks).

March 2003 : Wrocław University, Poland, invited by *D. Buraczewski*, *A. Hulanicki* et *E. Damek* (1 mois).

August 2002 : National University of Crete in Iraklio, Crete, invited by *M. Kolountzakis* (2 weeks).

June 2002 : Autonoma University of Madrid, Espagne, invited by *G. Garrigós* (1 week).

January 2002 : Universita Autonoma Nazionale de Mexico, Cuernavaca, Mexico, invited by *S. Perez-Esteva* (2 weeks).

March 2001 : Wrocław University, Poland, invited by *D. Buraczewski*, *A. Hulanicki* and *E. Damek* (1 month).

August 1999: Chalmers and Göteborg University, Sweden, invited by *M. Roginskaya* and *P. Sjögren* (1 month).

November 1998: Wrocław University, Poland, invited by *A. Hulanicki* et *E. Damek* (1 week).

December 1997: Autònoma University of Barcelona, Spain, invited by *J. Bruna* (1 week).

1995–1996: Flinders University Adelaide and Cooperative Research Center for Sensor Signal and Information Processing (CSSIP), Australia, invited by *W. Moran* (20 months).

Avril 1994: Flinders University Adelaide, Australia, invited by *W. Moran* (1 month).

Conference and seminar talks

Invited talks

September 2007: Talk “Some links between uncertainty principles and combinatorics” at the *Second Workshop on Extremal Problems in Fourier Analysis*, Renyi Institute, Budapest, Hungary.

April 2006: Talk “Uncertainty principles for orthonormal bases” at *Mini-workshop on wavelets, frames and operator theory*, Vanderbilt University, Nashville, USA.

March 2006: Talk “Uncertainty principles for orthonormal bases” at the *X-EDP day*, École Polytechnique, Palaiseau, France.

December 2005: Talk “Uncertainty principles for orthonormal bases” at the workshop *Harmonic Analysis and Operator Theory*, ISI Bangalore, India.

October 2005: Talk “A survey on phase retrieval problems” at the workshop *Interfaces entre l’analyse harmonique et la théorie des nombres*, CIRM, Marseille, France.

September 2005: Talk “A survey on phase retrieval problems” at the workshop *Fourier Analysis, Extremal Problems and Approximation*, Renyi Institute, Budapest, Hungary.

Conférences

February 2008: Talk “Positive positive definite functions” at the *Second workshop on Harmonic Analysis and PDE’s*, Merida, Mexico.

June 2007: Talk “Nazarov’s Uncertainty principle in higher dimension” at the conference *Modern Methods in Time-Frequency Analysis*, Ströbl, Austria.

January 2006: Talk “Uncertainty principles for orthonormal bases” at the conference *Harmonic Analysis and Related Problems*, Zakopane, Poland.

June 2005: Talk “Discrete radar ambiguity problems” at the workshop *Non-Orthogonal Expansions and Greedy Algorithms*, Schrödinger Institute, Vienna, Austria.

November 2003: Talk “Maximum regularity of solutions to a second order differential equation on the Siegel upper half-plane” at the workshop *Journées Complexes du Sud*, Carcassonne, France.

June 2003: Talk “Maximum regularity of solutions to a second order differential equation on the Siegel upper half-plane” at the *Workshop on Harmonic Analysis and Partial Differential Equations*, Puerto-Vallarta, Mexico.

December 2001: Talk “Hermite functions and uncertainty principles” at the conference *Gabor 2001*, Schrödinger Institute, Vienna, Austria.

June 2001: Talk “New uncertainty principles for the Fourier transform” at the *Workshop on Fourier Analysis and Convexity*, Milano-Bicocca University, Italy.

January 2001: Talk “New uncertainty principles for the Fourier transform” at the conference *Harmonic Analysis on Homogeneous Real and Complex Manifolds*, Zakopane, Poland.

November 2000: Talk “New uncertainty principles for the Fourier transform” at the workshop *Journées d’Analyse Fonctionnelle et Harmonique*, Université d’Orléans, France.

June 2000: Talk “The discrete radar ambiguity problem” at the *International Workshop on Operator Theory and its Applications*, Université de Bordeaux I, France.

June 1999: Talk “Harmonic functions on classical rank one balls” at the conference *Harmonic Analysis on Homogeneous Real and Complex Manifolds*, Zakopane, Poland.

March 1999: Talk “Zéros de fonctions entières et contre-exemples en théorie des radars” at the workshop *Rencontres d’analyse complexe*, Université de Poitiers, France.

July 1996: Talk “ p -induction on L^p -spaces” at the 40th *Australian Mathematical Society Annual Conference*, Flinders University, Adelaïde, Australia.

Posters

August 1998: Poster “Harmonic functions on the real hyperbolic ball” at thte conference *Geometric aspects of Fourier and Functional Analysis* (satellite de l’ICM Berlin), Kiel, Germany.

Febuary 1996: Poster “Zero flipping and radar ambiguity functions” at the *CSSIP Techfest*, Adelaïde, Australia.

Seminar talks

Outside France: Flinders University in Adelaïde, Adelaïde University, Barcelona University, Autonomia University of Barcelona, Göteborg University, Wroclaw University, Autonomia University of Mexico (in Mexico and in Cuernavaca), Autonomia f Madrid, National University of Crête (in Iraklio), Missouri University (in Columbia).

In France: Universities of Bordeaux, Lille I, Lyon I, Marseilles III, Nancy I, Orléans, Paris 6, Paris 11-Orsay, Strasbourg, Vannes.

General audience talks:

April 2002: Talk “De l’analyse de Fourier aux ondelettes” (From Fourier Analysis to Wavelets) *Journée des Mathématiques*, IREM Orléans.

Publications

Refereed Journals

- [1] PH. JAMING Phase Retrieval Techniques for Radar Ambiguity Problems. *J. Fourier Anal. Appl.*, **5** (1999), 309–329.
- [2] PH. JAMING Harmonic functions on the real hyperbolic ball I: boundary values and atomic decomposition of Hardy spaces. *Colloq. Math.*, **80** (1999), 63–82.
- [3] PH. JAMING & W. MORAN Tensor products and p -induction of representations on Banach spaces. *Collect. Math.*, **51** (2000), 83–109.
- [4] PH. JAMING Harmonic functions on classical rank one balls. *Boll. Unione Mat. Ital. 4-B.*, **8** (2001), 685–702.
- [5] PH. JAMING & M. ROGINSKAYA Hausdorff measures and \mathcal{M} -harmonic functions. *Monatsh. Math.*, **134** (2002), 217–226.
- [6] A. BONAMI, B. DEMANGE & PH. JAMING Hermite functions and uncertainty principles for the Fourier and windowed Fourier transforms. *Rev. Mat. Iberoamericana*, **19** (2003), 23–55.
- [7] PH. JAMING & M. KOLOUNTZAKIS Reconstruction of functions from their triple correlations. *New York J. Math.*, **9** (2003), 149–164.
- [8] S. GRELLIER & PH. JAMING Harmonic functions on the real hyperbolic ball II: Hardy and Lipschitz spaces. *Math. Nach.*, **268** (2004), 50–73
- [9] A. BONAMI, D. BURACZEWSKI, E. DAMEK, A. HULANICKI & PH. JAMING Maximum regularity of Hua-harmonic functions on tube domains. *J. Geom. Anal.*, **14** (2004), 457–486.
- [10] PH. JAMING & A. POWELL Uncertainty principles for orthonormal bases. *J. Functional Analysis*, **243** (2007), 611–630.
- [11] A. BONAMI, G. GARRIGÓS & PH. JAMING Discrete radar ambiguity problems. *Appl. Comput. Harmon. Anal.*, **23** (2007), 388–414.
- [12] PH. JAMING Nazarov’s uncertainty principles in higher dimension. *J. Approx. Theory*, **149** (2007), 30–41.
- [13] E. DAMEK, J. DZIUBANSKI, PH. JAMING & S. PÉREZ-ESTEVA Distributions that are convolvable with Poisson-like kernels on solvable extensions of homogeneous Lie groups. *Math. Scand.* accepted.
- [14] A. IOSEVICH & PH. JAMING Fourier basis for planar convex sets and distance sets that are a shift of the integers. *Acta. Math. Hung.* accepted.
- [15] PH. JAMING, M. MATOLCSI & SZ. G. REVEZ On the extremal rays in the cone of positive definite functions. *Acta. Math. Hung.* accepted.

Notes aux comptes-rendus and letters to the editors

[N1] PH. JAMING Principe d'incertitude qualitatif et reconstruction de phase pour la transformée de Wigner. *C. R. Acad. Sci. Paris Sér. I Math.*, **327** (1998), 249–254.

[N2] C. DOMENICHINO & PH. JAMING Estimations du noyau de Green, propriété de valeur moyenne et géométrie des boules hyperboliques. *C. R. Acad. Sci. Paris Sér. I Math.*, **332** (2001), 1053–1058.

[N3] W. CZAJA, PH. JAMING & M. MATOLCSI An efficient algorithm for positive realizations. *System and Control Letters*, accepted.

N.B. This notes and letters are not article summaries.

Other publications

[A1] PH. JAMING Inversibilité restreinte, problème de Kadison-Singer et applications à l'analyse harmonique (d'après J. Bourgain et L. Tzafriri). *Publications mathématiques d'Orsay*, **94-24** (1994) 71–154.

[A2] PH. JAMING Trois Problèmes d'Analyse Harmonique. *Thèse de l'université d'Orléans*, (juin 1998) 148 pages.

[A3] G. GARRIGÓS, PH. JAMING & J.-B. POLY Zéros de fonctions holomorphes et contre-exemples en théorie des radar. *Actes des rencontres d'analyse complexe*, Atlantique, Poitiers (2000) 81–104.

[A4] PH. JAMING Uncertainty principles for orthonormal bases. *Séminaire d'Équations aux Dérivées Partielles*, École Polytechnique, année 2005–2006, février 2006 exposé XV.

[A5] PH. JAMING Contributions à l'analyse harmonique réelle et complexe et à ses applications *Habilitation à Diriger des Recherches de l'université d'Orléans*, (juillet 2007) 63 pages.

[A6] PH. JAMING The phase retrieval problem for cyclotomic crystals. *Topics on the Interface between Harmonic Analysis and Number Theory*, T. Erdelyi, B. Saffari, G. Tenenbaum (Eds). *Prépublication* (2007).

Ongoing work

PH. JAMING The Gibbs phenomena, Rearrangements and spectral concentration.

PH. JAMING, S. MADAN, R. RAMAT & S.K. RAY On the phase retrieval problem for K -finite functions.

PH. JAMING Exact reconstruction from few phase-less measurements.

PH. JAMING & M. MATOLCSI Mutually unbiased bases in even dimension.

C. ANANTHARAMAN, J-P. ANKER, M. BABILLOT, A. BONAMI, A. BATAKIS, B. DEMANGE, S. GRELLIER, F. HAVARD, PH. JAMING, E. LESIGNE, P. MAHEUX, J-P. OTAL, B. SCHAPIRA & J-P. SCHREIBER Théorèmes ergodiques pour les actions de groupe. *Projet pour Panorama et Synthèse*.