

# Curriculum Vitae

## Personal data

Name	Xavier Buff
Birth date	December 16th, 1971
Nationality	French
Work address	Institut de Mathématiques de Toulouse, Université Paul Sabatier, 118 route de Narbonne, 31062 Toulouse, France.
e-mail	xavier.buff@math.univ-toulouse.fr

## Employment

2008-present	Professor at Université Paul Sabatier, Toulouse, France. Junior member of the Institut Universitaire de France. Head of the Institut de Recherche sur l'Enseignement des Mathématiques.
1998-2008	Maître de conférences at Université Paul Sabatier, Toulouse, France.
1997-98	HC-Wang assistant professor at Cornell University, Ithaca, USA.

## Education

2006	Habilitation à diriger les recherches obtained November 6th, 2006 at Université Paul Sabatier, Toulouse: “Disques de Siegel et ensembles de Julia d'aire strictement positive”.
1996	PhD obtained with “félicitations du jury”, December 16th, 1996 at Université de Paris-Sud (Orsay); advisor Adrien Douady; “Points fixes de renormalisation”.

## Awards

2012	Senior Research Scholar of the Clay Mathematics Institute for the Semester in ICERM in spring 2012.
2010	Invited speaker at the International Congress of Mathemati- cians.
2009	Nominated as a member of Institut Universitaire de France.
2008	European Research Council Starting Grant “At the Bound- ary of Chaos” with Arnaud Chéritat and Pascale Roesch.
2006	Prix Leconte de l'Académie des Sciences with Arnaud Chéritat, for our work on Julia sets of positive measure.

## Talks since 2008

- May 2012 Colloquium. ICERM, Brown University, Providence, USA  
"The Prevalence of Chaos"
- April 2012 Moduli Spaces Associated to Dynamical Systems, ICERM,  
Brown University, Providence, USA. "Admissible Covers and  
Rescaling Limits (after Matthieu Arfeux)".
- June 2011 Journée Dynamique autour de Marguerite Flexor, Orsay,  
France. "Transversalité et anneaux de Herman".
- May 2011 Conference on Holomorphic and Hamiltonian Dynamical sys-  
tems, Porquerolles, France. "Linearisability in holomorphic  
dynamics".
- March 2011 Pure Mathematics Colloquium, Queen Mary, London, Eng-  
land. "Advances in holomorphic dynamics".
- October 2010 Conference on Conformal Dynamics and Hyperbolic Geom-  
etry at CUNY, USA. "The Fatou-Shishikura Inequality for  
Finite Type Maps with Herman Rings (following A. Ep-  
stein)"  
Seminar at Harvard University, USA. "Transversality for  
Herman Rings"  
Seminar at Brown University, USA. "Julia sets with positive  
area".
- August 2010 Invited speaker at the International Congress of Mathemati-  
cians in Hyderabad, India. "Quadratic Julia sets with posi-  
tive area"
- May 2010 CODY Fourth Year Conference : Conformal Methods in  
Analysis and Dynamics, Seillac, France. "Transversality for  
Herman Rings".
- February 2010 International Conference on Dynamical Systems, Búzios, Rio  
de Janeiro, Brazil. "Pluripolar dynamical currents"
- June 2009 Conference on "Hedgehogs and Cantor Bouquets" in Toulouse,  
France. "Arithmetical Hedgehogs".
- January 2009 Colloquium in Rennes, France. "Ensembles de Julia d'aire  
non nulle".
- November 2008 Séminaire de géométrie et dynamique in Lyon, France. "Transver-  
salité en dynamique holomorphe".
- October 2008 Conference "Trends and Developments in Complex Dynam-  
ics" at Oberwolfach, Germany.
- June 2008 Second French-Canadian Congress in Montreal, Canada.
- April 2008 Conference "Dynamical Systems and Topology" Tossa de  
Mar, Catalunya, Spain. "Linearization measures".
- March 2008 Co-organizer of the Arbeitsgemeinschaft at Oberwolfach, Ger-  
many.

February 2008      Conference on Teichmüller spaces and iteration of Thurston algorithm in Cergy.  
Conference on “Groups generated by automata” at the center Stefano Francini in Zurich, Switzerland.  
Plenary speaker at the week-end organized by the European Mathematical Society in Copenhagen, Denmark.

### **PhD students**

2010-present      Matthieu Arfeux.  
2008-2011          Alexandre Dezotti.  
2007-2010          Kuntal Banerjee who is now a post-doctorant at Boston University.

### **Post-doctorants**

2009                Sarah Koch, Eva Uhre and Adam Epstein for 6 months.  
2007-2008          Hiroyuki Inou for 1 year.  
2005-2006          Kingshook Biswas for 1 year.  
2000-2002          Christian Henriksen for 2 years.