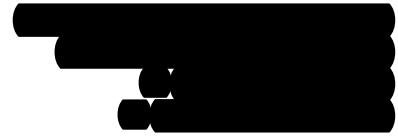


# Rodrigo Vargas Le-Bert



## Education

- 2005–2009 **PhD in Mathematics**, *Université de Grenoble 1*, Grenoble.  
Title: Repeated interaction quantum systems: the perturbative approach.  
Advisor: A. Joye.
- 2004–2005 **DEA in Fundamental Mathematics**, *Université de Paris 7*, Paris.  
Major in Operator algebras.
- 2002–2004 **Master in Mathematics**, *New York University*, New York.
- 1996–2003 **Mathematical Engineering**, *Universidad de Chile*, Santiago.  
Graduated with Maximal Distinction.

## Distinctions

- 2004–2009 **CONICYT – Government of France fellow**, Paris, Grenoble.
- 2002–2004 **McCracken fellow**, *New York University*, New York.

## Grants

- 2014–2015 **Universidad Austral de Chile DID Research grant S-2014-32**, *Constructive aspects of quantum field theory*, Valdivia.
- 2010–2013 **FONDECYT Postdoctoral grant N°3110045**, *Analytic aspects of the representation theory of involutive algebras*, Talca.

## Scientific production

- 2015 **Towards an analytic theory of stochastic and quantum fields**, arXiv:1507.08213, R. Vargas.
- 2015 **Cylinder measures in renormalization theory**, arXiv:1412.0052, R. Vargas.
- 2014 **On the geometry underlying a real Lie algebra representation**, *Proceedings of the 2011 Villa de Leyva Summer School*, R. Vargas.
- 2012 **Integrable representations of involutive algebras and Ore localization**, *Algebras and Representation Theory*, 15:1147–1161, R. Vargas.
- 2012 **On complex manifolds and observable schemes**, arXiv:1203.5806, R. Vargas.
- 2008 **Repeated interaction quantum systems: van Hove limits and asymptotic states**, *Journal of Statistical Physics*, 133(3):491–511, R. Vargas.

## Laboral experience

- 2013–2015 **Assistant professor**, *Institute of Physical and Mathematical Sciences, Universidad Austral de Chile*, Valdivia.
- 2008 **Research engineer**, *Laboratory of Bioinformatics and Mathematics of the Genome, CMM, Universidad de Chile*, Santiago.

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## Teaching experience

- 2013–2015 **Professor**, *Universidad Austral de Chile*, Valdivia.  
Courses: Elementary algebra, Calculus I, Calculus IV, Linear algebra, Advanced mathematics.
- 2012 **Professor**, *Universidad de Talca*, Talca.  
Course: Graph theory.
- 2002–2004 **Teaching assistant**, *New York University*, New York.  
Courses: Advanced calculus I, Ordinary differential equations, Algebra I, Algebra II.
- 2000–2001 **Teaching assistant**, *Universidad de Chile*, Santiago.  
Courses: Functional analysis, Partial differential equations.