

Curriculum Vitae

Personal Data

Name : Jean-Marie Stéphan
Date of birth : June 4, 1983
Place of birth : Angers, France
Nationality : French
Affiliation : Institut Camille Jordan, UMR 5208, University of Lyon 1
E-mail : [stephan\[\[at\]\]math.univ-lyon1.fr](mailto:stephan[[at]]math.univ-lyon1.fr)

Research education

Since October 2016 : CNRS researcher at Institut Camille Jordan, University of Lyon, on an exchange position between the Physics and Mathematics Institutes of CNRS.

September 2014-2016 : Postdoc at the “Max Planck Institute for the Physics of Complex Systems”, Dresden (Germany), with Frank Pollmann (now in TU Munich).

January 2012-2014 : Postdoc at the Physics Department of the University of Virginia, Charlottesville (US), with Paul Fendley (now in Oxford).

2008-2011 : PhD at the “Institut de Physique Théorique (IPhT)”, CEA-Saclay, under the supervision of Vincent Pasquier and Grégoire Misguich. Title “[Entanglement in low dimensional quantum systems](#)”. Some teaching at the Paris 11 University (Orsay).

2006-2008 : Master student at Orsay (“Fundamental Physics”, M1) and then Orsay/ENS Paris (“Quantum Physics”, M2). Internships with Frédéric Piechon (“Transport in ferromagnetic quantum junctions”, M1) and Grégoire Misguich (“Classical and quantum dimer models”, M2).

Main areas of expertise

Quantum entanglement, out of equilibrium dynamics, conformal field theory and statistical mechanics.

List of publications

22 papers published in selective physics journals. The full list is available on [Google Scholar](#).

Some talks and invited international conferences

[Inhomogeneous quantum quenches in the XXZ spin chain](#), Lyon, 2017.

[From Quantum Field theories to Numerical methods](#), Nordita (Sweden), 2016.

[Entanglement evolution after quantum quenches, and the arctic circle](#), Benasque (Spain), 2016.

[Correlations and inhomogeneous field theory inside the arctic circle](#), Florence (Italy), 2015.

[Entanglement and information in classical and quantum systems](#), Cologne (Germany), 2014.

[Entanglement in simple 2d critical wave functions](#), Perimeter Institute (Canada), 2013.

[Correlations and Entanglement in Many-body Systems Out of Equilibrium](#), Taipei (Taiwan), 2012.

[Physics in the plane: From condensed matter to string theory](#), Les Houches (France), 2010.

[Symposium on Topological Quantum Computing](#), Institut Henri Poincaré, Paris (France), 2009.

Other seminars

Cergy-Pontoise, Dresden (3), Lille, Lyon (3), Maynooth, Nancy, Paris (4), Pont-à-Mousson, Orsay (2), Regensburg, Saclay (3), Toulouse (2), Tours, Trieste, Yale.