

## List of Publications - Francesco Sala

### Preprints

1. *Cohomological Hall algebra of Higgs sheaves on a curve* (with Olivier Schiffmann). arXiv:1801.03482.
2. *The circle quantum group and the infinite root stack of a curve* (with Olivier Schiffmann and with an appendix by Tatsuki Kuwagaki). arXiv:1711.07391.

### Published Papers

1. *Instantons and framed sheaves on Kähler Deligne-Mumford stacks* (with Philippe Eyssidieux). *Annales de la Faculté des Sciences de Toulouse*, to appear.
2. *AGT relations for abelian quiver gauge theories on ALE spaces* (with Mattia Pedrini and Richard J. Szabo). *Journal of Geometry and Physics*, 2016, 103, 43-89.
3. *Framed sheaves on root stacks and supersymmetric gauge theories on ALE spaces* (with Ugo Bruzzo, Mattia Pedrini and Richard J. Szabo). *Advances in Mathematics*, 2016, 288, 1175–1308.
4.  *$\mathcal{N} = 2$  quiver gauge theories on A-type ALE spaces* (with Ugo Bruzzo and Richard J. Szabo). *Letters in Mathematical Physics*, 2015, 105, no. 3, 401-445.
5. *Framed sheaves on projective stacks* (with Ugo Bruzzo and with an appendix by Mattia Pedrini). *Advances in Mathematics*, 2015, 272, 20-95.
6. *Restriction theorems for  $\mu$ -(semi)stable framed sheaves*. *Journal of Pure and Applied Algebra*, 2013, 217, no. 12, 2320-2344.
7. *Symplectic structures on moduli spaces of framed sheaves on surfaces*. *Central European Journal of Mathematics*, 2012, 10, no. 4, 1455-1471.

### Thesis

*Some topics in the geometry of framed sheaves and their moduli spaces.*  
Ph.D. Dissertation. SISSA, Trieste, Italy and Université Lille 1, France (2011).

Updated on June 10th, 2018