

# 中央研究院數學研究所

Institute of Mathematics, Academia Sinica

## Taipei Postdoc Seminar

**Speaker** : Sasha Minets (IST Austria)

**Title** : Cohomological Hall algebras and sheaves on surfaces

**Abstract** :

I will start with a quick survey of classical and cohomological Hall algebras. For that, I will recall how combinatorics of the Hilbert scheme of points on a plane are governed by the action of elliptic Hall algebra. In the second part of the talk, I will explain how certain aspects of this story can be generalized to the moduli spaces of sheaves on other surfaces, such as cotangent bundle to a curve.

**Time** : 11:00 - 12:30, **Wednesday**, May 15, 2019

**Venue** : Room **201**, Astro-Math. Buidling (NTU Campus)

**Organizer** : Sheng-Fu Chiu (Academia Sinica), Chien-Hsun Wang (National Center for Theoretical Sciences)

**Refreshment** : 10:30

[https://www.math.sinica.edu.tw/www/file\\_upload/conference/2016TPS/index.html](https://www.math.sinica.edu.tw/www/file_upload/conference/2016TPS/index.html)

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