



Du  
**16**  
DÉC.  
2022

16h30  
-  
18h00

## **ÉQUATIONS DIFFÉRENTIELLES MOTIVIQUES ET AU-DELÀ**

### **Poisson brackets and flat connections /CANCELLED**

IHP salle 01  
11, rue Pierre et Marie Curie, 75005, Paris

INSCRIPTION

The seminar is cancelled (announced for the next year)  
because of the STRIKE of SNCF-Sud

A flat connection with regular singularities on a complex plane is characterized by its residues at singular points. A theorem of Hitchin establishes a surprising link between the linear Kirillov-Kostant-Souriau (KKS) Poisson bracket on the residues and the Goldman bracket on traces of holonomies corresponding to closed loops. In this talk, we will show how to generalize this result to regularized holonomies corresponding to paths starting and ending at singular points. Our main technical tool is a version of the Drinfeld's pentagon equation suitable for paths with self-intersections.

The talk is based on a joint work in progress with Florian Naef and Muze Ren.

URL de la page : [https://www.ihp.fr/fr/events/poisson-brackets-and-flat-connections&is\\_pdf=true](https://www.ihp.fr/fr/events/poisson-brackets-and-flat-connections&is_pdf=true)



## **INSTITUT HENRI POINCARÉ - UAR839**

Sorbonne Université / CNRS  
11 rue Pierre et Marie Curie  
75231 Paris Cedex 05

### **HORAIRES**

L'institut :

- lundi au vendredi de 8h30 à 18h,
- fermé les jours fériés.

Le musée - Maison Poincaré :

- lundi, mardi, jeudi et vendredi de 9h30 à 17h30,
- samedi de 10h à 18h,
- fermé le mercredi et le dimanche.