

## SEMINAIRE D'ANALYSE

➤ **VENDREDI 26 JUIN 2015 à 15h15 - salle MA A112**

Professeur **HUAN-SONG ZHOU** (Wuhan Institute of Physics and Mathematics, Chine)  
donnera une conférence sur le thème:

### **«Sign-changing solution for stationary Schrödinger equations»**

We will talk about how to find a sign-changing solution for a stationary Schrödinger-Poisson system by a variational method. A stationary Schrödinger-Poisson system is essentially a semi-linear elliptic equation with a nonlocal type potential, this nonlocal potential caused several difficulties in finding sign-changing solution. Moreover, the energy property for a sign-changing solution is also discussed.

Lausanne, le 15 juin 2015  
BD/BB/vl

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Les séminaires qui ont lieu à la Section de Mathématiques sont annoncés sur Internet  
<http://memento.epfl.ch/math/>