

## Aspects symplectiques, réels et tropicaux de la géométrie énumérative

Rencontre du projet ANR ENUMGEOM

### Lundi 11 septembre

- 9:30–10:30** V. Kharlamov, *On Smith deficiency of Hilbert squares.*  
**10:30–11:00** Café  
**11:00–12:00** D. Zvonkine, *Quantum Hall effect via the Grothendieck-Riemann-Roch formula.*  
**12:15–13:45** Déjeuner  
**14:00–15:00** J.-Ph. Monnier, *The Hilbert 17th problem for a ring.*  
**15:00–15:30** Café

### Mardi 12 septembre

- 9:30–10:30** G. Mikhalkin, *Tropical wave fronts and caustics.*  
**10:30–11:00** Café  
**11:00–12:00** N. Salepci, *Morse shellings on finite simplicial complexes.*  
**12:15–13:45** Déjeuner  
**14:00–15:00** O. Amini, *Moduli of hybrid curves: higher rank inner products and metric degenerations of Jacobians.*  
**15:00–15:30** Café  
**15:30–16:30** A. Oancea, *Morse and Floer theory with DG coefficients.*

### Mercredi 13 septembre

- 9:30–10:30** F. Mangolte, *Comessatti's Theorem on Rational Surfaces and Real Fano threefolds.*  
**10:30–11:00** Café  
**11:00–12:00** B. Bertrand, *Tropical cubics of any genus.*  
**12:15–13:45** Déjeuner

**Jeudi 14 septembre**

- 9:30–10:30**    **S. Finashin**, *Topology of real lines on del Pezzo and elliptic surfaces.*  
**10:30–11:00**    Café  
**11:00–12:00**    **A. Chiodo**, *Mumford's formula on the universal Picard stack.*  
**12:15–13:45**    Déjeuner  
**14:00–15:00**    **A. Hirschi**, *Global Kuranishi charts in symplectic GW theory.*  
**15:00–15:30**    Café  
**15:30–16:30**    **T. Guidoni**, *Intégrabilité des invariants de Gromov-Witten réels de  $\mathbb{P}^1$ .*

**Vendredi 15 septembre**

- 9:30–10:30**    **B. Chantraine**, *Rigidité en géométrie localement conformément symplectique.*  
**10:30–11:00**    Café  
**11:00–12:00**    **F. Bihan**, *Optimal bounds for the number of connected components of fewnomial hypersurfaces.*  
**12:15–13:45**    Déjeuner  
**14:00–15:00**    **A. Toussaint**, *Real structures of phase tropical surfaces.*  
**15:00–15:30**    Café  
**15:30–16:30**    **X. Yan**, *Divisor equations in quantum K-theory.*