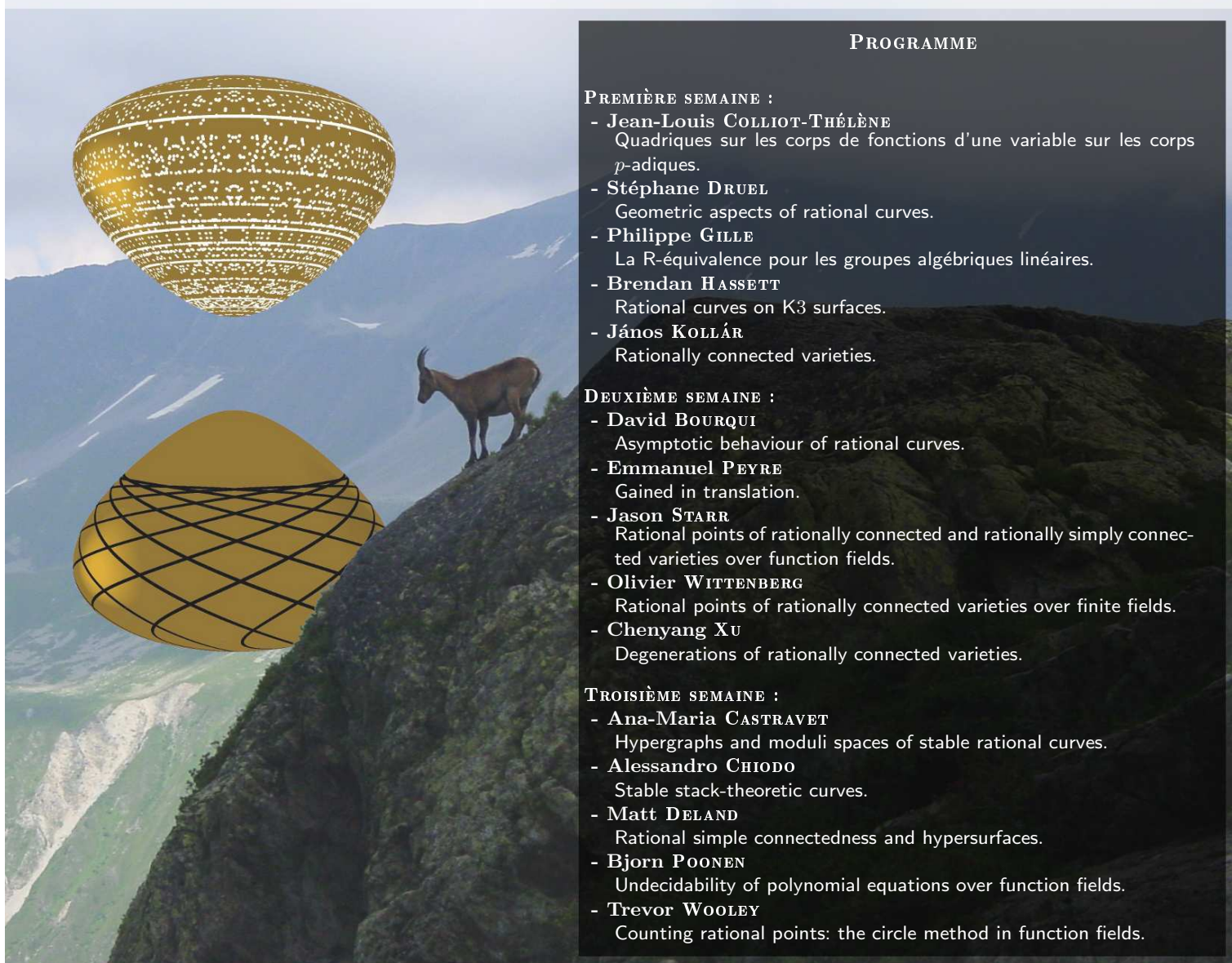


# Aspects arithmétiques des courbes rationnelles

du 14 juin au 2 juillet 2010  
Institut Fourier – Grenoble (France)



## PROGRAMME

### PREMIÈRE SEMAINE :

- Jean-Louis COLLIOT-THÉLÈNE  
Quadriques sur les corps de fonctions d'une variable sur les corps  $p$ -adiques.
- Stéphane DRUEL  
Geometric aspects of rational curves.
- Philippe GILLE  
La  $R$ -équivalence pour les groupes algébriques linéaires.
- Brendan HASSETT  
Rational curves on  $K3$  surfaces.
- János KOLLÁR  
Rationally connected varieties.

### DEUXIÈME SEMAINE :

- David BOURQUI  
Asymptotic behaviour of rational curves.
- Emmanuel PEYRE  
Gained in translation.
- Jason STARR  
Rational points of rationally connected and rationally simply connected varieties over function fields.
- Olivier WITTENBERG  
Rational points of rationally connected varieties over finite fields.
- Chenyang XU  
Degenerations of rationally connected varieties.

### TROISIÈME SEMAINE :

- Ana-Maria CASTRAVET  
Hypergraphs and moduli spaces of stable rational curves.
- Alessandro CHIDO  
Stable stack-theoretic curves.
- Matt DELAND  
Rational simple connectedness and hypersurfaces.
- Bjorn POONEN  
Undecidability of polynomial equations over function fields.
- Trevor WOOLEY  
Counting rational points: the circle method in function fields.