

# **Structured Matrix Days**

**9-10 May 2016**  
**XLIM, room XR 203**

## **Monday, May 9**

**10h00-10h30** : Opening (registration, coffee...)

**10h30-11h30** : Leonardo Robol (KU Leuven), *A framework for structured linearizations of matrix polynomials in various bases*

**11h30-12h15** : Matias Bender, *A Superfast Randomized Algorithm to Decompose Binary Forms*

**12h15-14h30** : Lunch

**14h30-15h30** : Robert Luce (EPFL), *Pathways to the Toeplitz matrix exponential*

**15h30-16h15** : (*CANCELED*) Marwa Dridi, *Algorithme rapide pour la résolution d'un système de Toeplitz bande avec une application en restauration d'images*

**16h15-16h45** : Coffee break

**20h** : Social Dinner (*La Vache au Plafond*)

## **Tuesday, May 10**

**9h15-10h15** : Francesca Arrigo (Università dell'Insubria), *Computation of centrality and communicability indices using generalized matrix functions*

**10h15-10h45** : Coffee break

**10h45-11h45** : Clément Pernet (Université de Grenoble), *Improved generators for quasiseparable matrices*

**11h45-12h30** : Jean-Claude Yakoubsohn, *Newton operator and Shub-Smale alpha-theory in the singular case.*

**12h30-14h30** : Lunch