Prof. Philippe Michel
Chair of Analytic Number Theory (TAN)

ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

SEMINAR OF MATHEMATICS

Wednesday March 1st, 2017 at 11h15, CIB lecture hall BI AO 448

R. H. Bing Instructor Dr. Xavier Ros-Oton *(University of Texas at Austin)*

will present a seminar entitled:

"Regularity of free boundaries in obstacle problems"

Abstract:

We present a brief overview of the regularity theory for free boundaries in obstacle problems. We describe how a monotonicity formula of Almgren plays a central role in the study of the regularity of the free boundary in some of these problems. Finally, we explain new strategies which we have recently developed to deal with cases in which monotonicity formulas are not available.

Lausanne, February 23, 2017 / mg