Abstract for IAS Focused Program on Recent Advances on Elliptic and Parabolic Equations (May 19-23, 2025)

## **On Homogenous Solutions for the Thin Obstacle Problem**

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We discuss the construction of some new family of homogenous solutions for the thin obstacle problem in R^3, with frequencies different from the standard ones coming from R^2. It turns out that the frequencies constructed avoid the intervals between even and odd integers and this is a general fact that can be established in arbitrary dimensions. This is a joint work with Federico Franceschini.