

# Summer School 2026

Topics in Banach Space Theory

## Norm-attainment in projective tensor products

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**Name** Juan Guerrero-Viu  
**University** Universidad de Zaragoza – IUMA  
**Day and time** Tuesday: 17:06–17:25

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### Abstract

An element  $u$  of the projective tensor product  $X\widehat{\otimes}_\pi Y$  is said to attain its norm if the infimum in the definition of the projective norm is achieved. In this talk, we study geometric conditions on  $X$  and  $Y$  that ensure the set of norm-attaining tensors is either the entire space or, at least, dense. This is based in a joint work with L. C. García-Lirola and A. Rueda Zoca.