

VII Leopoldo García-Colín Mexican Meeting on Mathematical and  
Experimental Physics



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Type: **not specified**

## **RAMÓN CARRILES: Nano- and micro-machining of stainless steel for superhydrophobicity.**

*Wednesday, 19 February 2020 12:15 (30 minutes)*

We will present a brief overview of CIO's experimental work on ablation and micro-machining using an ultrafast amplified system (50 fs, 1 kHz). Specifically, we will cover surface nano- and micro-machining of stainless steel to achieve superhydrophobicity; also, we will present results on nanoparticle ablation from solid targets immersed in liquid.

**Session Classification:** PLENARY TALKS

**Track Classification:** SYMPOSIUM ON LASER ABLATION