

MINIWORKSHOP ON MODIFICATION AND PERFORMANCE OF MICROMECHANICAL SENSORS

Wednesday, July 12th 2017
Sala de Seminarios (6^a pta.), Módulo 12
Facultad de Ciencias, UAM

The modification of micromechanical structures opens the possibility of altering their sensing capabilities, not only from the point of view of their detection mode (changes in deflection or vibrational modes) but also from their surface chemistry, enabling their use as biosensors. This miniworkshop aims at bringing a flavor on recent contributions within this context.

10h50 Opening- Miguel Manso UAM

11h00 “Optomechanics for biological sensing” Dr. Eduardo Gil Santos, IMM-CSIC.

11h30 “Micromechanical Sensing with porosified Si microcantilever arrays assisted by Au nanoparticles” Chloe Rodríguez, UAM

12h00 “New strategies to the topographic modification of microcantilever arrays” Dr. Paola Pellacani, UAM

12h30 “From SCALA to AVAC – Combining nano-mechanical and optical sensing” Dr. Andreas Thon, MecWins

13h00 Closing remarks



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