



Madrid international SPM
Mad4SPM
school
 May, 12-13, 2026



PROGRAM

Day 1: Tuesday, May 12th

Time	Session	Speaker
09:15	Welcome and Introduction	Organization (ICMM/IFIMAC/IMDEA)
09:30	The Nuts & Bolts of STM	Jose Angel Martin Gago (ICMM)
10:10	The Nuts & Bolts of AFM	Julio Gomez (IFIMAC-UAM)
10:50	COFFEE BREAK	
11:20	From Forces to Material Properties	Ruben Perez (IFIMAC-UAM)
12:00	AFM Contact Modes	Cristina Gomez-Navarro (IFIMAC- UAM)
12:40	Electrochemical STM	Doris Grumelli (CONICET)
13:20	LUNCH	
15:00	AFM Dynamic Modes	Ricardo Garcia (ICMM)
15:40	STM Theory	Pavel Jelinek (FZU)
16:20	AFM in Liquids	Pedro J. de Pablo (IFIMAC-UAM)
17:00	COFFEE BREAK	
17:30	Workshop: SPM Data Analysis (WSxM)	Ignacio Horcas (UAM)
18:30	Nanonis and Feedback Fundamentals	Fabian Calleja (IMDEA Nanociencia)
19:30	Wine and Cheese Reception	

Day 2: Wednesday, May 13th

Time	Session / Talk	Speaker
09:30	Bio-AFM	Sonia Contera (Oxford University)
10:10	STM Light-Matter interaction	Martin Svec (IOCB)
10:50	COFFEE BREAK	
11:20	Kelvin Probe Force Microscopy	Thilo Glatzel (University of Basel)
12:00	Spin polarized STM	David Serrate (INMA)
12:40	Magnetic Force Microscopy	Agustina Asenjo (ICMM)
13:20	LUNCH	
15:00	STM Break junctions	Teresa Gonzalez (IMDEA Nanociencia)
15:40	High resolution nc-AFM	Bruno de la Torre (CINN-CSIC)
16:20	STM manipulation	Ivan Brihuega (IFIMAC - UAM)
17:00	Closing Remarks	Organization (ICMM/IFIMAC/IMDEA)
17:10	<i>In situ</i> AFM and STM lab visit (optional)	Organization (ICMM)