

Atomic scale interconnection machines : proceedings of the 1st AtMol European Workshop Singapore 28th-29th June 2011

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Abstrak

This volume documents the first International Workshop on Atomic Scale Interconnection Machines organised by the European Integrated Project AtMol in June 2011 in Singapore. The four sessions, discussed here in revised contributions by high level speakers, span the subjects of multi-probe UHV instrumentation, atomic scale nano-material nanowires characterization, atomic scale surface conductance measurements, surface atomic scale mechanical machineries. This state-of-the-art account brings academic researchers and industry engineers access to the tools they need to be at the forefront of the atomic scale technology revolution.