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Interfacial water in electric field[1] ALENKA LUZAR, Department of Chemistry, Virginia Commonwealth University (VCU), D. BRATKO, Department of Chemistry, VCU and Department of Chemical Engineering, UC Berkeley, C.D. DAUB, Department of Chemistry, VCU — As accessible experimental length scales become shorter, the modification of interfacial properties of water using electric field (electrowetting) must come to grips with novel effects existing at the nanoscale. I will briefly survey some of our recent progress we have made in understanding these effects using molecular simulations.

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