

UK SPM 2007

List of posters and presenters

- 1 *Progress towards international standardization in SPM*
Charles Clifford (NPL)

- 2 *Use of friction force microscopy to investigate entanglement density in spun cast Poly(styrene) (PS) and Poly(methylmethacrylate) (PMMA) films as a function of molecular weight*
Tracie J Colburn (University of Sheffield)

- 3 *Mechanical unfolding/refolding of protein L.*
Neal Crampton (University of Leeds)

- 4 *A novel SPM based approach to studying reagent-cell interactions*
Z Dragnevska (University of East Anglia)

- 5 *Observation and investigation of graphite superlattices by STM*
Colm Durkan (Cambridge University)

- 6 *Following Polymer Surface Crystallization In-Situ with AFM*
Oliver Farrance (University of Sheffield)

- 7 *Attachment of nanostructures to Atomic Force Microscope probes*
Christopher Gibson (University of Nottingham)

- 8 *Metrological atomic force microscopy at NPL*
Jane Haycocks (NPL)

- 9 *Quantification of CaCO₃ adhesion for process equipment surfaces in desalination industry using AFM*
Daniel Johnson (University of Nottingham)

- 10 *Developing VideoAFM and exploiting its high speed imaging capabilities to probe microbial cell processes*
L Kailas (University of Sheffield)

- 11 *Title TBC*
David Mohamad (University of Sheffield)

- 12 *Meniscus-driven assembly of nanoparticle arrays*
Phillip Moriarty (University of Nottingham)

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- 13 *Coerced coarsening of nanoparticle assemblies: A mechanical drive towards equilibrium*
Phillip Moriarty (University of Nottingham)
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- 14 *Analysis of the tip-surface interaction in torsional resonance AFM in air and liquid*
N Mullin (University of Sheffield)
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- 15 *A novel approach to the combination of AFM with optical spectroscopy*
Rachel Owen (JPK Instruments)
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- 16 *The application of Atomic Force Microscopy to the characterisation of microbial surfaces*
Lydia Powell (University of Wales Swansea)
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- 17 *Visualizing the surface of filamentous cyanobacteria with AFM*
Tatsuyama-Kurk (University of Leeds)
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- 18 *Casimir force measurements by Atomic Force Microscopy (AFM)*
Gauthier Torricelli (University of Leicester)
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- 19 *Imaging living oral bacteria using Atomic Force Microscopy*
Bob Turner (University of Leeds)
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- 20 *Self assembling nanoparticles on solid surfaces*
John Walker (University of Edinburgh)
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- 21 *Interactions between biosurfactant, mycolic acid, and mineral surface*
Zhenyu Zhang (University of Sheffield)
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- 22 *A novel fast scanning platform for near-field photolithography*
Bin Zhao (University of Sheffield)
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