

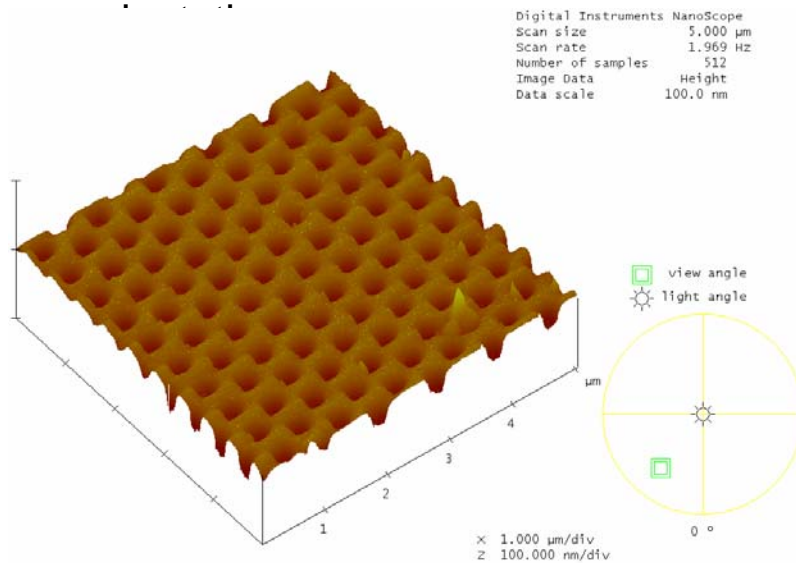
Directed Self-Assembly of Nanopore Arrays

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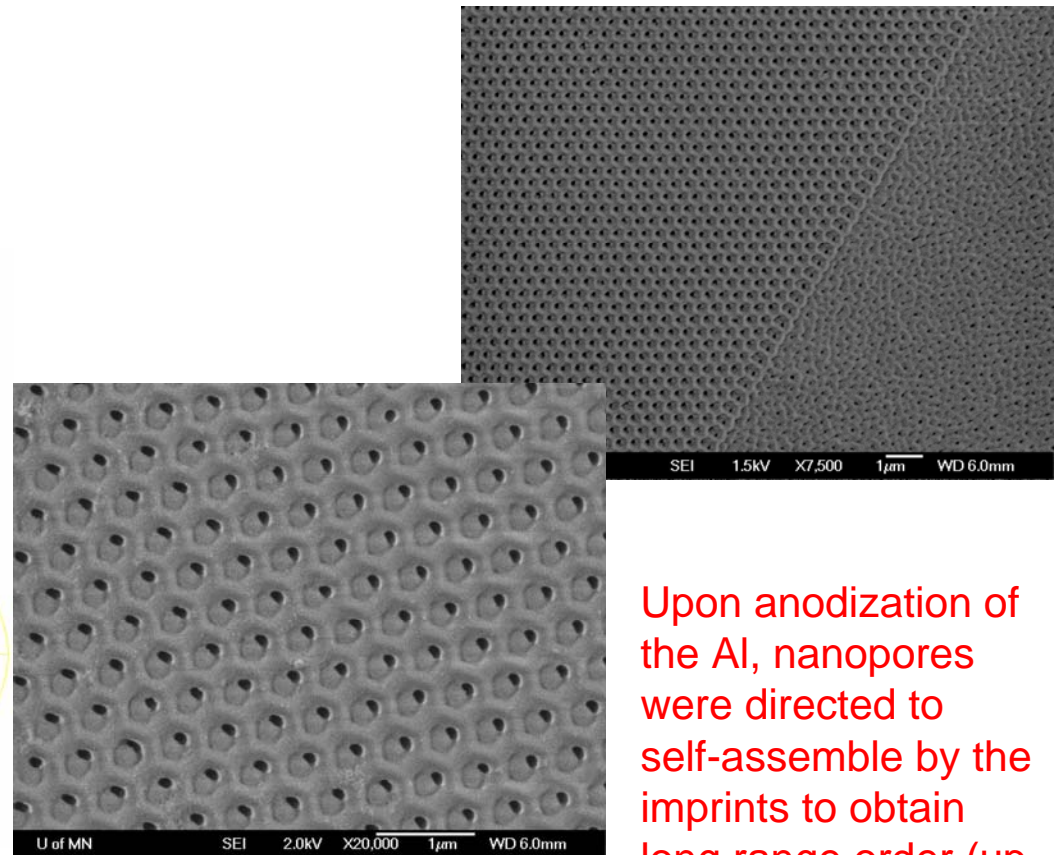
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- Motivation: Ordered Nanopore Arrays using Imprint Stamps
 - Fabricate pore arrays with long-range-order (millimeter scale) in alumina
 - Precisely control the lattice constant of the arrays as well as pore size and

- Results: Nanoimprinting method was successful



Atomic force microscopy (AFM) of imprinted Al using an e-beam defined stamp.



Upon anodization of the Al, nanopores were directed to self-assemble by the imprints to obtain long range order (up to 1mm x 1mm). SEM photos shown.