

## Micro & Nano Letters Call for Papers



### SPECIAL ISSUE ON:

## Micro and Nano Technologies for Probe-Based Microscopy

*Micro & Nano Letters* will devote a special issue to present recent advances in **Micro and Nano Technologies for Probe-Based Microscopy**. Scanning probe microscopy has enabled the novel investigation of mechanical, electrical, and chemical properties at the nano and micro scale, for example, by STM, AFM, SGM, NSOM, EFM, SCEM and chemical force mapping. Both Top Down and Bottom Up fabrication and assembly technologies have been applied to incorporate novel materials and geometries in both probes and tips. Micro and nano probe technologies are also increasingly used in exploring the behaviour of biological cells. The application space for cantilever probe based investigation continues to grow with innovative sensor and system design.

Contributions should discuss novel aspects and improvements of probe functionalisation, design and use as well as *sample application data*. Example topics of interest include:

- Cantilever probe or array designs with new enabling features for probe-based microscopy
- Scanning probe techniques as versatile tools for “tip-based” manufacturing, patterning nanoparticles and nanocrystals, etc.
- Imaging and assembling nanocrystals and nanoparticles by scanning probe techniques
- Nanomaterial/nanocomposite based microcantilevers for sensing and actuation
- Fabrication and investigation of nano(bio)architectures by scanning probe techniques
- Probe technologies applied to cell biology

Authors should submit short papers (max 4-5 pages) that have not been previously published and are not concurrently submitted for journal publication elsewhere. All submissions will be reviewed in accordance with the editorial procedures of the journal.

All papers must be submitted through the journal's Manuscript Central system:  
<http://mc.manuscriptcentral.com/MNL>

#### Proposed publication schedule:

##### Deadline for submission of papers:

5 September 2011

Extended to 30 November 2011

##### Authors to receive a 1st decision by:

30 January 2012

##### Final notification of acceptance:

5 March 2012

##### On-line and print publication:

April 2012

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