



Sensors Council

CALL FOR PAPERS

IEEE Sensors Journal

Special Issue on Sensors for Microfluidic Analysis Systems

In the last several years, considerable effort around the world has been devoted to exploring the application of micro- and nano- technology to issues broadly related to human health. There is ongoing research in analyzing more complex biological system such as living cells by combining microfabrication and microfluidic technologies. Opto-microfluidic chips are gaining significance in clinical medicine for disease diagnosis applications.

It is intended that this Special Issue of the IEEE Sensors Journal will showcase state-of-the-art microfluidic devices in new and emerging application areas and will be of interest to researchers in academia and industry. Original research contributions and review papers are sought, particularly those that involve the manipulation of small amounts of re-agents and samples on microchips; the simulation and modelling of microfluidic devices; the fabrication of microsystems for chemical analysis in silicon, glass, polymer and plastics; the integration of microsensors (chemical, biological, photonic, etc.) into microfluidic devices; and the application of these new microfluidic systems.

Solicited and invited papers will undergo the standard IEEE Sensors Journal peer review process. For manuscript preparation and submission, please follow the guidelines in the *Information for Authors* section at the IEEE Sensors Journal web page (<http://www.ieee.org/sensors/sj>). All manuscripts must be submitted on-line via the *IEEE Manuscript Central*TM process (<http://sensors-ieee.manuscriptcentral.com>). During this online submission process, twelve screens of information must be completed by the submitting author. Please indicate your "Manuscript Type" as "Special Issue on Sensors for Microfluidic Analysis Systems" using the pull-down menu on Screen 1. Authors are encouraged to **suggest names of potential reviewers** for their manuscripts in the space provided for this purpose on Screen 7.

Deadlines:

Manuscript Submission:	February 15, 2007
Notification of Acceptance:	May 15, 2007 (estimated)
Final Manuscript:	July 15, 2007 (estimated)
Target publication dates:	November 2007 or January 2008

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