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The new IEEE Transactions on Biomedical Circuits and Systems (TBCAS) covers circuit and system design issues in a wide range of applications found in biomedical and life sciences, with a focus on designing ultra low power, mixed-signal, nanoscale electronics for these applications. Such activities require inter-disciplinary collaboration between scientists, engineers, medical researchers, and practitioners to solve complex real world problems.

The new IEEE Transactions on Biomedical Circuits and Systems (TBCAS) is addressing areas at the crossroads of Circuits and Systems and Life Sciences. The main emphasis is on microelectronic issues in a wide range of applications found in life sciences, physical sciences and engineering. The primary goal of the journal is to bridge the unique scientific and technical activities of the Circuits and Systems Society with the Engineering in Medicine and Biology Society and other related societies, in application areas including such as:

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General, theoretical, and application-oriented papers in the abovementioned technical areas with a Circuits and Systems perspective are encouraged to publish in TBCAS.

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TBCAS is a quarterly publication with the first inaugural issue in April 2007. Papers are submitted electronically through the journal web-site: <http://ewh.ieee.org/soc/cas/tbcas/>. To be eligible, a submission to TBCAS must neither be published previously, nor be under review elsewhere.

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