

Elder Care Technologies

A special topic within Track 11.8, Emerging Technologies for Healthcare Delivery

Call for papers

The IEEE 2006 International Conference of the Engineering in Medicine and Biology Society solicits papers on the technology developments to improve the health care of elders. An important vision for technology is the support it will provide to the aging world populations. As people live longer their impairments can be ameliorated by appropriate technologies. Senior citizens will expect that technology will serve them to overcome limitations brought on by aging.

The focus is on the use of technology to support elder care. Topics of interest deal with the devices, data and performance. This includes device and system design, implementation and test. Other topics include data assessment techniques, data integration and fusion, data modeling and use of computational intelligence. Finally, reports on tests and evaluation of technology systems and characterizations of test beds to provide proof-of concept are welcome.

Examples of topics include - but are not restricted to the following.

- Monitoring devices and systems
- Data modeling and integration
- Computational intelligence applications
- Performance evaluation
- Test beds and proof of concept facilities
- Devices and systems to assist an elder's functionality
- Assistive devices and systems for cognitive impairments

IMPORTANT special paper submission instructions: Submit your paper using the conference web site, indicating the **primary keyword** as “**Emerging Technologies for Healthcare Delivery.**” This is necessary to ensure the paper is reviewed properly.

Four Page Paper Submission April 3, 2006
Notification of Acceptance June 15, 2006

Theme 11 [Clinical Engineering and Healthcare Information Systems](#)
Track 11.8 Emerging Technologies for Healthcare Delivery
Sub track Elder Care Technologies

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Marriott at Times Square
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<http://embc2006.njit.edu/index.php>