**[Sleeping ECG and body position monitoring system](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5332623&queryText%3DYang+Chang-ming)**

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Sau-Gee Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Sau-Gee%20Chen.QT.&searchWithin=p_Author_Ids:37673990300&newsearch=true) ; [Bing-Jing Li](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Bing-Jing%20Li.QT.&searchWithin=p_Author_Ids:37676555500&newsearch=true) ; [Shu-Hui Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Shu-Hui%20Hung.QT.&searchWithin=p_Author_Ids:37631407600&newsearch=true) ; [Chang-Hwa Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Hwa%20Yang.QT.&searchWithin=p_Author_Ids:37675323600&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Mi-Chi Hsieh](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Mi-Chi%20Hsieh.QT.&searchWithin=p_Author_Ids:37673741000&newsearch=true) ; [Tsu-Lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tsu-Lin%20Yang.QT.&searchWithin=p_Author_Ids:37674397400&newsearch=true)  [Engineering in Medicine and Biology Society, 2009. EMBC 2009. Annual International Conference of the IEEE](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5307844)   
DOI: [10.1109/IEMBS.2009.5332623](http://dx.doi.org/10.1109/IEMBS.2009.5332623)   
Publication Year: 2009 , Page(s): 1856 - 1859   
Cited by:  [Papers (2)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=5332623&queryText%3DYang+Chang-ming)

A textile-based ECG system for sleeper is presented. The electrode in the system is supported by a foam pad to ensure good contact as well as comfort to the wearer, and a flexible rubber to ensure that the electrode will electrically connect to the wearer only when pressed. Eight electrodes are multiplexed such that exactly two electrodes are pressed to connect the wearer no matter how the wearer lies. When the wearer lies in different positions, he/she will press different two electrodes, and then the morphology of the output ECG signal will be different accordingly. By this feature, the system can not only detect ECG but also determine the position of the sleeper. [View full abstract»](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5332623&queryText%3DYang+Chang-ming)



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[**Textile-based breath-sensing belt**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5418950&queryText%3DYang+Chang-ming)

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Ching-Wen Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ching-Wen%20Yang.QT.&searchWithin=p_Author_Ids:37404771600&newsearch=true)  [Consumer Electronics (ICCE), 2010 Digest of Technical Papers International Conference on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5410747)   
DOI: [10.1109/ICCE.2010.5418950](http://dx.doi.org/10.1109/ICCE.2010.5418950)   
Publication Year: 2010 , Page(s): 11 - 12   
Cited by:  [Papers (4)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=5418950&queryText%3DYang+Chang-ming)

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[**A wireless gait analysis system by digital textile sensors**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5334738&queryText%3DYang+Chang-ming)

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Jwu-Sheng Hu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Jwu-Sheng%20Hu.QT.&searchWithin=p_Author_Ids:37278209000&newsearch=true) ; [Shu-Hui Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Shu-Hui%20Hung.QT.&searchWithin=p_Author_Ids:37631407600&newsearch=true) ; [Chang-Hwa Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Hwa%20Yang.QT.&searchWithin=p_Author_Ids:37675323600&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Ming-Yang Hsu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ming-Yang%20Hsu.QT.&searchWithin=p_Author_Ids:37672281500&newsearch=true) ; [Tsi-Lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tsi-Lin%20Yang.QT.&searchWithin=p_Author_Ids:37674398700&newsearch=true)  [Engineering in Medicine and Biology Society, 2009. EMBC 2009. Annual International Conference of the IEEE](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5307844)   
DOI: [10.1109/IEMBS.2009.5334738](http://dx.doi.org/10.1109/IEMBS.2009.5334738)   
Publication Year: 2009 , Page(s): 7256 - 7260   
Cited by:  [Papers (2)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=5334738&queryText%3DYang+Chang-ming)

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DOI: [10.1109/ICEGIC.2010.5716880](http://dx.doi.org/10.1109/ICEGIC.2010.5716880)   
Publication Year: 2010 , Page(s): 1 - 6   
Cited by:  [Papers (2)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=5716880&queryText%3DYang+Chang-ming)

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[Cheng, Mu-Huo](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Cheng,%20Mu-Huo.QT.&searchWithin=p_Author_Ids:37880156400&newsearch=true) ; [Li-Chung Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Li-Chung%20Chen.QT.&searchWithin=p_Author_Ids:37880333600&newsearch=true) ; [Ying-Che Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ying-Che%20Hung.QT.&searchWithin=p_Author_Ids:37872951100&newsearch=true) ; [Chang Ming Yang,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang%20Ming%20Yang,.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true)  [Engineering in Medicine and Biology Society, 2008. EMBS 2008. 30th Annual International Conference of the IEEE](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4636107)   
DOI: [10.1109/IEMBS.2008.4649138](http://dx.doi.org/10.1109/IEMBS.2008.4649138)   
Publication Year: 2008 , Page(s): 254 - 257   
Cited by:  [Papers (3)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=4649138&queryText%3DYang+Chang-ming)

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[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Zhan-Sheng Lin](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Zhan-Sheng%20Lin.QT.&searchWithin=p_Author_Ids:37596584000&newsearch=true) ; [Chang-Lin Hu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Lin%20Hu.QT.&searchWithin=p_Author_Ids:37599908400&newsearch=true) ; [Yu-Shih Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Yu-Shih%20Chen.QT.&searchWithin=p_Author_Ids:37600595400&newsearch=true) ; [Ling-Yi Ke](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ling-Yi%20Ke.QT.&searchWithin=p_Author_Ids:37585794000&newsearch=true) ; [Yin-Rui Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Yin-Rui%20Chen.QT.&searchWithin=p_Author_Ids:37600595500&newsearch=true)  [Engineering in Medicine and Biology Society (EMBC), 2010 Annual International Conference of the IEEE](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5608545)   
DOI: [10.1109/IEMBS.2010.5627270](http://dx.doi.org/10.1109/IEMBS.2010.5627270)   
Publication Year: 2010 , Page(s): 4898 - 4901   
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[**Textile-based monitoring system for biker**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5394305&queryText%3DYang+Chang-ming)

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Ching-Wen Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ching-Wen%20Yang.QT.&searchWithin=p_Author_Ids:37404771600&newsearch=true)  [Information Technology and Applications in Biomedicine, 2009. ITAB 2009. 9th International Conference on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5353034)   
DOI: [10.1109/ITAB.2009.5394305](http://dx.doi.org/10.1109/ITAB.2009.5394305)   
Publication Year: 2009 , Page(s): 1 - 4

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[**A breathing game with capacitive textile sensors**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6115118&queryText%3DYang+Chang-ming)

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Tsu-lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tsu-lin%20Yang.QT.&searchWithin=p_Author_Ids:38238818600&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Chu, N.N.Y.](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chu,%20N.N.Y..QT.&searchWithin=p_Author_Ids:38241665100&newsearch=true)  [Games Innovation Conference (IGIC), 2011 IEEE International](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6107966)   
DOI: [10.1109/IGIC.2011.6115118](http://dx.doi.org/10.1109/IGIC.2011.6115118)   
Publication Year: 2011 , Page(s): 134 - 136   
Cited by:  [Papers (2)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=6115118&queryText%3DYang+Chang-ming) Computer games are developed to encourage practice of thoracic or abdominal breathing for physiological and pathological treatment. It is demonstrated by using an exercise shirt embedded with two sets of dual sensors controlled by LM555 and PIC24FJ256 microprocessors, with animated display onto a computer screen. Results and future work are discussed. [View full abstract»](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6115118&queryText%3DYang+Chang-ming)



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[**A Real-Time Heart-Rate Estimator from Steel Textile ECG Sensors in a Wireless Vital Wearing System**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4535544&queryText%3DYang+Chang-ming)

[Mu-Huo Cheng](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Mu-Huo%20Cheng.QT.&searchWithin=p_Author_Ids:37272480100&newsearch=true) ; [Li-Chung Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Li-Chung%20Chen.QT.&searchWithin=p_Author_Ids:37880333600&newsearch=true) ; [Ying-Che Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ying-Che%20Hung.QT.&searchWithin=p_Author_Ids:37872951100&newsearch=true) ; [Chang Ming Yang,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang%20Ming%20Yang,.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Tzu Lin Yang,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tzu%20Lin%20Yang,.QT.&searchWithin=p_Author_Ids:37878219100&newsearch=true)  [Bioinformatics and Biomedical Engineering, 2008. ICBBE 2008. The 2nd International Conference on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4534879)   
DOI: [10.1109/ICBBE.2008.664](http://dx.doi.org/10.1109/ICBBE.2008.664)   
Publication Year: 2008 , Page(s): 1339 - 1342   
Cited by:  [Papers (1)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=4535544&queryText%3DYang+Chang-ming)

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[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:37402220000&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Tzu-Lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tzu-Lin%20Yang.QT.&searchWithin=p_Author_Ids:37878219100&newsearch=true)  [Information Technology and Applications in Biomedicine, 2009. ITAB 2009. 9th International Conference on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5353034)   
DOI: [10.1109/ITAB.2009.5394321](http://dx.doi.org/10.1109/ITAB.2009.5394321)   
Publication Year: 2009 , Page(s): 1 - 4   
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[**Game interface using digital textile sensors, accelerometer and gyroscope**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6227411&queryText%3DYang+Chang-ming)

[Chu, N.N.Y.](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chu,%20N.N.Y..QT.&searchWithin=p_Author_Ids:38241665100&newsearch=true) ; [Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chih-Chung Wu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chih-Chung%20Wu.QT.&searchWithin=p_Author_Ids:38247538400&newsearch=true)  [Consumer Electronics, IEEE Transactions on](http://ieeexplore.ieee.org/xpl/RecentIssue.jsp?punumber=30)   
Volume: 58 , [Issue: 2](http://ieeexplore.ieee.org/xpl/tocresult.jsp?isnumber=6227402)   
DOI: [10.1109/TCE.2012.6227411](http://dx.doi.org/10.1109/TCE.2012.6227411)   
Publication Year: 2012 , Page(s): 184 - 189   
Cited by:  [Papers (1)](http://ieeexplore.ieee.org/xpl/abstractCitations.jsp?tp=&arnumber=6227411&queryText%3DYang+Chang-ming) Pressure sensors connecting with accelerometer and gyroscope through conductive, washable fabric, is designed into a dancing game to detect movements of a player. The firmware in microcontroller mounted on a belt can judge the player's movements with enough accuracy that the player would not be limited by conventional wires and resident equipments as used in other popular dancing games. This novel wearable entertainment system provides a mixed reality game interface in which users can dance through 3 Modes with increasing sophistication. [View full abstract»](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=6227411&queryText%3DYang+Chang-ming)



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[**Dancing game by digital textile sensor**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5716887&queryText%3DYang+Chang-ming)

[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Chun-Mei Chou](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chun-Mei%20Chou.QT.&searchWithin=p_Author_Ids:37404982700&newsearch=true) ; [Tzu-Lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tzu-Lin%20Yang.QT.&searchWithin=p_Author_Ids:37878219100&newsearch=true) ; [Shu-Hui Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Shu-Hui%20Hung.QT.&searchWithin=p_Author_Ids:37631407600&newsearch=true) ; [Jen-Hsian Cheng](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Jen-Hsian%20Cheng.QT.&searchWithin=p_Author_Ids:37855412900&newsearch=true) ; [Chin-Hsian Wang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chin-Hsian%20Wang.QT.&searchWithin=p_Author_Ids:37858216200&newsearch=true) ; [Jwu-Sheng Hu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Jwu-Sheng%20Hu.QT.&searchWithin=p_Author_Ids:37278209000&newsearch=true) ; [Kuan-Chun Sun](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Kuan-Chun%20Sun.QT.&searchWithin=p_Author_Ids:37595182800&newsearch=true) ; [Yueh-Ming Huang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Yueh-Ming%20Huang.QT.&searchWithin=p_Author_Ids:37278788600&newsearch=true)  [Games Innovations Conference (ICE-GIC), 2010 International IEEE Consumer Electronics Society's](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5712963)   
DOI: [10.1109/ICEGIC.2010.5716887](http://dx.doi.org/10.1109/ICEGIC.2010.5716887)   
Publication Year: 2010 , Page(s): 1 - 6

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[**A vital wearing system with wireless capability**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4571086&queryText%3DYang+Chang-ming)

[Mu-Huo Cheng](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Mu-Huo%20Cheng.QT.&searchWithin=p_Author_Ids:37272480100&newsearch=true) ; [Li-Chung Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Li-Chung%20Chen.QT.&searchWithin=p_Author_Ids:37880333600&newsearch=true) ; [Ying-Che Hung](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Ying-Che%20Hung.QT.&searchWithin=p_Author_Ids:37872951100&newsearch=true) ; [Chenn-Nan Chen](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chenn-Nan%20Chen.QT.&searchWithin=p_Author_Ids:38090373500&newsearch=true) ; [Chang Ming Yang,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang%20Ming%20Yang,.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Tzu Lin Yang,](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tzu%20Lin%20Yang,.QT.&searchWithin=p_Author_Ids:37878219100&newsearch=true)  [Pervasive Computing Technologies for Healthcare, 2008. PervasiveHealth 2008. Second International Conference on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4562769)   
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[Chang-Ming Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chang-Ming%20Yang.QT.&searchWithin=p_Author_Ids:37404771500&newsearch=true) ; [Wen-Tzeng Huang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Wen-Tzeng%20Huang.QT.&searchWithin=p_Author_Ids:37288475200&newsearch=true) ; [Tsu-Lin Yang](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Tsu-Lin%20Yang.QT.&newsearch=true) ; [Mi-Chi Hsieh](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Mi-Chi%20Hsieh.QT.&searchWithin=p_Author_Ids:37673741000&newsearch=true) ; [Chi-tso Liu](http://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=p_Authors:.QT.Chi-tso%20Liu.QT.&searchWithin=p_Author_Ids:38090229700&newsearch=true)  [Medical Devices and Biosensors, 2008. ISSS-MDBS 2008. 5th International Summer School and Symposium on](http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4563625)   
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[**Exquisite textiles sensors and wireless sensor network device for home health care**](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=4649211&queryText%3DYang+Chang-ming)

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DOI: [10.1109/IEMBS.2008.4649211](http://dx.doi.org/10.1109/IEMBS.2008.4649211)   
Publication Year: 2008 , Page(s): 546 - 549 Sustainable development of resource-based enterprises is dynamic, open and complex system involving five subsystems: resource, economy, society, environment, technology, and management level. Three are various fields related to its study, including enterprise management, resource management, ecology, environmental science, demography, engineering, economics, and sociology. The inherent complexity and cross-disciplinary characteristics of sustainable development make the study of evaluation method for sustainable development of resource-based enterprises an extremely difficult task. The paper analyzes methods and models of indicators for screening, weight determining, and quantitative and comprehensive evaluation for studies of evaluation of sustainable development. At the same time, this paper figures out noted that exploration of new methods and new models and comparing study of the original methods are necessary for completion of theories for evaluation of sustainable development. This can reduce blindness in the study. [View full abstract»](http://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=5493086&queryText%3DYang+Chang-ming)



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