

GUIDE to IEEE Computer Society Digital Library Database



Overview

The IEEE Computer Society Digital Library (CSDL) provides online access to 31 society magazines and transactions and more than 4,800 conference publications.

This screenshot shows the homepage of the IEEE Computer Society Digital Library (CSDL). At the top left is the IEEE Computer Society logo with the tagline 'The Community for Technology Leaders'. At the top right is the IEEE logo and a welcome message for Asia Pacific University of Technology & Innovation (APU). A navigation bar contains links for 'CSDL', 'Institutions and Libraries', 'About', and 'Resources'. A search box on the right contains the text 'Search the CSDL' and a magnifying glass icon, with a 'Login' link next to it. The main content area is divided into two columns. The left column features a large image of a blue and purple grid pattern, a paragraph of text about the library's content, a green box with the text 'There is no other technology resource like the Computer Society Digital Library.', and a green 'Subscribe Today' button. The right column has a 'What's New' section with a blue header, a welcome message, and a bulleted list of features: 'Better viewing on multiple mobile devices', 'A new user-friendly interface', 'Faster page rendering', and 'Updated social media tools, and more.'

Searching articles / conference proceedings

Key in your search term in the search box.

This screenshot is identical to the one above, but with the search box in the navigation bar highlighted by a red rectangle. The search box now contains the text 'big data'. A red arrow points from the text box above to the search box. The rest of the page content remains the same.

Limit search to **Digital Library** or **Proceedings**. You can also limit the **date range**.

The screenshot shows a search interface for 'big data'. A dropdown menu is open, showing options: 'Proceedings' (highlighted in blue), 'All', 'Site', 'Digital Library', and 'Authors'. Below the menu is a 'Full Text' dropdown. To the right, 'Start' and 'End' date pickers are highlighted with a red box; 'Start' is set to 'MM/YY' and 'End' is set to '08/201'. Below these are 'Sort By' options: 'Relevanc' and 'Descendi'. A 'Results Per Page' section shows options: '10' (highlighted), '20', '50', and '100'. At the bottom, it shows '370,693 results for big data' and a search result for 'CellPilot: A Seamless Communication Solution for Hybrid Cell Clusters' with a page range 'pp-259-268'.

From the list of results, you can **download** the PDF file, **view** the abstract, or **get more articles** related the title you have identified.

The screenshot shows search results for 'big data'. The first result is 'CellPilot: A Seamless Communication Solution for Hybrid Cell Clusters' (pp-259-268). It is found in 'Parallel Processing Workshops, International Conference on' by 'N. Girard, W.B. Gardner, J. Carter, G. Grewal' (Issue Date: 2011-09). The abstract text is partially visible: 'The Cell Pilot library provides a comprehensive inter process communication solution for parallel programming in Con clusters comprised of Cell BE and other computers. It extends the process/channel approach of the existing Pilot library to cover processes...'. Below the abstract are three buttons: 'PDF', 'View Abstract', and 'More Like This', which are highlighted with a red box. The second result is 'Research on Programming for the Motion of Humanoid Robot' (pp-556-559). It is found in 'Artificial Intelligence and Computational Intelligence, International Conference on' by 'Huang Xuemei, Xu Moufeng, Zhang Jiaju' (Issue Date: 2010-10). The abstract text is partially visible: 'In order to meet the storage space requirements for the humanoid robot's moving data, a structure array was used to store the data of each servomotor. In this method, the servomotors not rotating were ignored, so a lot of storage space was saved. The prese...'. Below the abstract are three buttons: 'PDF', 'View Abstract', and 'More Like This'.

Abstract Page

When you click on “View Abstract”, you can read the abstract, note the index term for related topics, download full article and get citation details.

CSDL Home » A » AICI » 2010 » Artificial Intelligence and Computational Intelligence, International Conference on

Research on Programming for the Motion of Humanoid Robot

Sanya, China
Oct. 23, 2010 to Oct. 24, 2010
ISBN: 978-0-7695-4225-6
pp: 556-559
Huang Xuemei
Xu Moufeng
Zhang Jiaju
DOI Bookmark: <http://doi.ieeecomputersociety.org/10.1109/AICI.2010.122>

ABSTRACT
In order to meet the storage space requirements for the humanoid robot's moving data, a structure array was used to store the data of each servomotor. In this method, the servomotors not rotating were ignored, so a lot of storage space was saved. The presetting data in the action groups were read sequentially and were changed to the rotating angles of the servomotors so as to complete the actions of the humanoid robot. If the repeated actions were designed, the corresponding moving data could be called again. This method has been successfully applied in robot dancing competitions.

INDEX TERMS
humanoid robot, servo control, tructure array

CITATION
Huang Xuemei, Xu Moufeng, Zhang Jiaju, "Research on Programming for the Motion of Humanoid Robot", AICI, 2010, Artificial Intelligence and Computational Intelligence, International Conference on, Artificial Intelligence and Computational Intelligence, International Conference on 2010, pp. 556-559, doi:10.1109/AICI.2010.122

FULL ARTICLE
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SEARCH
Articles by Huang Xuemei
Articles by Xu Moufeng
Articles by Zhang Jiaju

SCHOLARSHIPS
\$40,000 Available

Applying Filters

If you want your results to limit to any of the followings, click on “Additional Options”, select “Only the following” and then select the content (like a particular magazine / transaction) and click on Search button.

Digital Library | big data | **Q**

FILTERS

Appearing in: Full Text

Sort By: Relevance | Descending

Start: YYYY-MM | End: 2016-03

Results Per Page: 10 | 20 | 50 | 100

ADDITIONAL OPTIONS

Search In: All Content Only the following Subscribed Content

Subscribed | Not Subscribed | No Subscription Required

Magazine

- Computer
- Computing in Science & Engineering
- IEEE Annals of the History of Computing
- IEEE Cloud Computing
- IEEE Computer Graphics and Applications
- IEEE Concurrency (out of print)
- IEEE Design & Test of Computers
- IEEE Distributed Systems Online
- IEEE Intelligent Systems
- IEEE Internet Computing
- IEEE Micro
- IEEE MultiMedia
- IEEE Pervasive Computing
- IEEE Security & Privacy
- IEEE Software
- IT Professional

Transaction

- IEEE Transactions on Affective Computing
- IEEE Transactions on Big Data
- IEEE Transactions on Cloud Computing