|                       |                     | IEEE Spectrum More Sites  |   |  |              |           |
|-----------------------|---------------------|---|---|--|--------------|-----------|
| EEEXplo<br>ttps://iee |                     | e ✓ My Settings ✓ Help ✓<br>ee.org/document/7892406   | Institutional Sign In                   |  |              |           |
|                       |                     | All   |   |  |              | Q         |
|                       |                     |   |   |  | ADVANCE      | D SEARCH  |
| Conferences           | > 2016 3rd Internat | ional Confer 😮  |   |  |              |           |
| Robot                 | arm cont            | trolled by muscle tension base  | d on electromyogra                      | aphy a                                   | and          |           |
| PIC18                 | F4550               |   |   |  |              |           |
| Publisher:            | IEEE Cite Th        | nis PDF   |   |  |              |           |
| Ricky Fajar <i>i</i>  | Adiputra ; Floren   | tinus Budi Setiawan All Authors   |   |  |              |           |
| 1 223                 |                     |   |   |  |              |           |
| Paper<br>Citation     | Full<br>Text Views  |   | R                                       | <  | C            |           |
|                       |                     |   |   |  |              |           |
| Abstrac               | t                   | Abstract:   |   |  |              |           |
| Document              | Sections            | Along with the progress of time, the application of sci fields, especially the biomedical field that will be very   |   | •  | •            |           |
| I. Prelimina          | iry                 | design and application of electromyography or more  | commonly known as gauges muscl          | e tension to                             | o move the   | e robot a |
| II. Theoretic         | cal Basis           | the aid of a microcontroller PIC18F4550, with this fination in the form of graphs or audio into physical form of m  |   | cles signals                             | s that are ι | isually p |
| III. Hardwai          | re & Software Desi  | gn  |   |  |              |           |
| IV. Conclus           | sion                | Published in: 2016 3rd International Conference on  | Information Technology, Computer,       | and Electr                               | ical Engine  | ering (I  |
| Authors               |                     | Date of Conference: 19-20 October 2016  | INSPEC Accession Nu                     | ession Number: 16791785                  |              |           |
| Figures               |                     | Date Added to IEEE Xplore: 06 April 2017  | <b>DOI:</b> 10.1109/ICITACEE            | 9/ICITACEE.2016.7892406                  |              |           |
| References            |                     | ▶ ISBN Information:   | Publisher: IEEE                         | EEE                                      |              |           |
| Citations             |                     |   | Conference Location:                    | Conference Location: Semarang, Indonesia |              |           |
| Keywords              |                     | I. Preliminary  |   |  |              |           |
| Metrics               |                     | Today's modern technological development has been growing<br>life, including the mechanics and electro medical s Sign in t<br>has lost their motoric function and then replaced with electror | o Continue Reading uld help people with | -  |              |           |
|                       |                     | Authors   |   |  |              |           |
|                       |                     | Figures   |   |  |              |           |
|                       |                     | References  |   |  |              |           |
|                       |                     | Citations   |   |  |              |           |
|                       |                     | Keywords  |   |  |              |           |
|                       |                     | Metrics   |   |  |              |           |
|                       |                     |   |   |  |              |           |
|                       | nal Account         | Purchase Details  | Profile Information                     |  | Noo          | d Help?   |

PAYMENT OPTIONS VIEW PURCHASED DOCUMENTS COMMUNICATIONS PREFERENCES PROFESSION AND EDUCATION

About IEEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | IEEE Ethics Reporting 🗹 | Sitemap | Privacy & Opting Out of Cookies A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

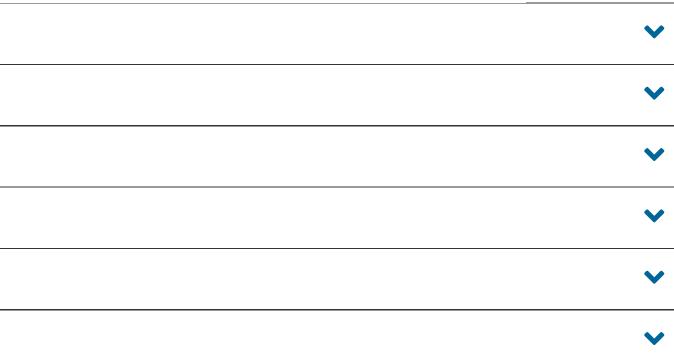
CHANGE USERNAME/PASSWORD





any s the with sented

TACEE)



TECHNICAL INTERESTS

US & CANADA: +1 800 678 4333 WORLDWIDE: +1 732 981 0060 CONTACT & SUPPORT

## Follow



## More Like This

Toward Multimodal Human-Robot Interaction to Enhance Active Participation of Users in Gait Rehabilitation IEEE Transactions on Neural Systems

and Rehabilitation Engineering Published: 2017

Adaptive trajectory planning of lower limb rehabilitation robot based on EMG and human-robot interaction

2016 IEEE International Conference on Information and Automation (ICIA) Published: 2016

Show More

Feedback