		IEEE Spectrum More Sites				
EEEXplo ttps://iee		e ✓ My Settings ✓ Help ✓ 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 Citation	Full 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 life, including the mechanics and electro medical s Sign in t 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.

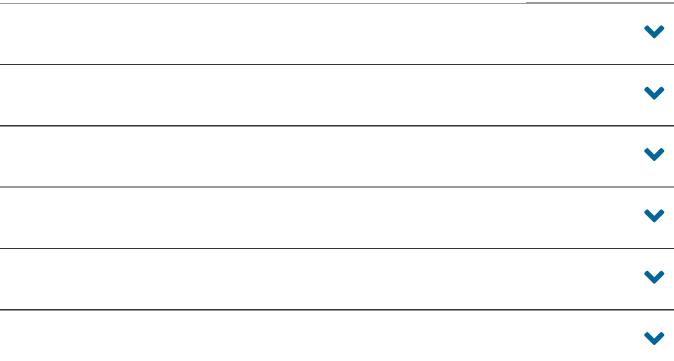
CHANGE USERNAME/PASSWORD





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