

IEEE vTOOLS Event Reporting

IEEE RAS Malaysia Chapter



Title of Event:	Research colloquium at UCSI Research center- Investigation of gait and biomechanical motion for developing energy harvesting system
Event	<input type="checkbox"/> Physical / <input type="checkbox"/> Virtual
Description:	<p>The event started by a welcoming speech by the master of ceremony, during his speech the MC introduced to the audience the main speaker Dr.M.K.A.Ahamed khan who is currently working as Assistant Professor, in UCSI University, Malaysia about his topic of interest. Almost 10 participants were present.</p> <p>Finding a means of clean and free source of energy has become vital in this age and era. With rapidly shifting technological advancements, the necessity for harvesting energy is top priority. Moreover, the time has come to utilize the core of humanity, the human body itself, for greater purposes. In this report a thorough and proper research has been carried out in order to learn extensively about human gait and bio mechanical movement and the means of extracting clean energy from that. Followed by, a proper research along with practical experiments including that on four different human test subjects of different body mass index, weight, and gender has been carried out in order to find the forces acting on the plantar region in order to justify the use of plantar region, as well as a research and experiments on three different test subjects of varying weight, age, gender, and body mass index to find out plantar pressure distribution and the precise distribution of forces acting has been carried out. A working prototype has then been modeled and devised based on the findings from the research. The prototype has been made from 3D printing, and a combination of piezoelectric materials, then tested and the results are tabulated which are provided herewith.</p> <p>The event ended at 4PM by a closing speech by the MC The information gained by the participants during this talk will play a part during their professional career development. Dr.Thung thanked all the participants and the speaker for their participation and commitment.</p> <p>.</p> <p>.</p>
Keywords:	Gait, biomechanics, energy

Category:	<input type="checkbox"/> Professional	<input checked="" type="checkbox"/> Technical	<input type="checkbox"/> Non-Technical	<input type="checkbox"/> Administrative	
Sub-category:	Professional:	<input type="checkbox"/> Continuing Education	<input type="checkbox"/> Professional Development	<input type="checkbox"/> Industry Relations	<input checked="" type="checkbox"/> Professional (Other)
	Nontechnical:	<input type="checkbox"/> Social	<input type="checkbox"/> Awards Dinner	<input type="checkbox"/> Pre-Univ. activities	<input type="checkbox"/> Nontechnical (Other)
	Administrative:	<input checked="" type="checkbox"/> Vice chair		<input type="checkbox"/> Officer training	
Date and Time:	Date: 13 Nov2020	Start Time: 3.30pm		End Time: 5.30pm	
Event Location:	Ucsi University				
Organizational Unit:	UCSI University, UCSI IEEE STUDENT BRANCH and IEEE RAS Malaysia Chapter				
Attendance:	No. of IEEE attended:	1	No. of Guests attended:	12 PARTICIPANTS	
Registration:	<input checked="" type="checkbox"/> No registration required				
	<input type="checkbox"/> Registration required				
Registration Fees:	-				
Corresponding Name:	Mohamed khan,Asst prof, ucsi university IEEE RAS Malaysia chaoter vice chair				
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RESEARCH COLLOQUIUM
Live Session



IEEE RAS
MALAYSIA CHAPTER



DR MKA AHAMED KHAN
Department of Mechanical Engineering

Investigation of Gait and Biomechanical Motion for Developing Energy Harvesting System

Date: 13 Nov 2020 (Friday) | Time: 2.30PM – 4.00PM | Platform: Microsoft Teams (Code: 942001)