IEEE vTOOLs Event Reporting

IEEE RAS Malaysia Chapter

Title of Event:	International webinar -Invited keynote speaker talk on Robotics in healthcare
Event	☐ Physical / ☒ Virtual
Description:	The event started at 10am IST by a welcoming speech by the event Co Ordinator Dr. Kulanthaivel, Head, Center for International affairs, National Institute of Technical Teachers Training and Research, Ministry of education, Government of India, Chennai, India. During his speech he 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 profile and the topic of interest. Almost 200 participants were present. Since 2010, the demand for industrial robots has accelerated considerably due to the ongoing trend toward automation and the continued innovative technical improvements in industrial robots. In the last 10 years, the uptake of surgical robots, throughout the world especially in US, Europe including UK and Australia is extensive. In Asia, these machines are becoming popular with the hospitals in major cities and the usage is progressively increasing. The surgical robot has three components: console, patient cart and vision cart. The operation is performed by the surgeon through the robot. Robotic surgery has distinct advantages. It gives the surgeon a magnified 3D vision of the part requiring the operation and allows surgeons to do the procedure with great precision. Overall, robotic surgery allows the surgeon to perform a high-quality operation for their patients. The introduction of minimally invasive techniques has transformed surgery in the past three decades. Patient benefits from mini-invasive surgery include less operative blood loss, less postoperative pain and consequently, reduced requirement of narcotics. RS for gastric cancer has been demonstrated to overcome intrinsic limitations of conventional laparoscopic surgery, thanks to the wristed instruments that allow multiple degrees of freedom, tremor filtering, three-dimensional vision, and a steady image, thus minimizing blood losses and surgical trauma and improving the surgeon's dexterity when fine manipulation is required. This can be especially helpful during maneuvers in restricted fields and around major vessels, such as in extended lymphadenectomy. Many of these issues could explain the shorter learning curve of robotic gastric surgery compared to laparoscopy. In this talk the Trends in the market for Robot Industry and the evolution of modern techniques using Robotics in Surgery will be shared and potential future directions will be proposed. The event ended at 12.30PM IST, by a closing speech by Dr.Kulanthaivel. The information gained by the participants during this talk will play a part during their professional career development. Dr.Kulantaivel and Dr.M.K.A.Ahamed Khan ,thanked all the participants for their participation and commitment.

Keywords:	Surgery, Robotics, automation				
Category:	☐ Professional	☒ Technical	☐ Non-Technical	☐ Administrative	
Sub-category:	Professional:	☒ Continuing Education	☐ Professional Development	☐ Industry Relations	☐Professional (Other)
	Nontechnical:	☐ Social	☐ Awards Dinner	☐ Pre-Univ. activities	☐Nontechnical (Other)
	Administrative:	☐ Vice chair		☐ Officer training	
Date and Time:	29 April 2022	Start Time: 12.15pm	End Time: 2.30pm		
Event Location:	Google meet				
Organizational Unit:	UCSI University, National Institute of Technical Teachers Training and Research, Ministry of education, Government of India, Chennai, India				
Attendance:	No. of IEEE attended:	40	No. of Guests attended:	184	
Registration:	☒ No registration required				
	☐ Registration required				
Registration Fees:	-				
Corresponding Name:	Dr.Mohamed khan				
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Photo/ Image


Robotics in Healthcare
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ourtesy : Dr. Phee, Associate Professor Head,
ivision of Mechatronics & Design School of
lechanical & Aerospace Engineering, NTU,
Khan Bai
Kulanthaivel
Remove AJAY KUMAR S BIT from the call
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Suji G
DR. C. JOSHITHA
Vigneshwaran .S
KAMALI N BME VC...
VINOTH M Jerusalo...
Senthilbabu D
R S KAMALAKANN...
Raghunathan K G
189 others
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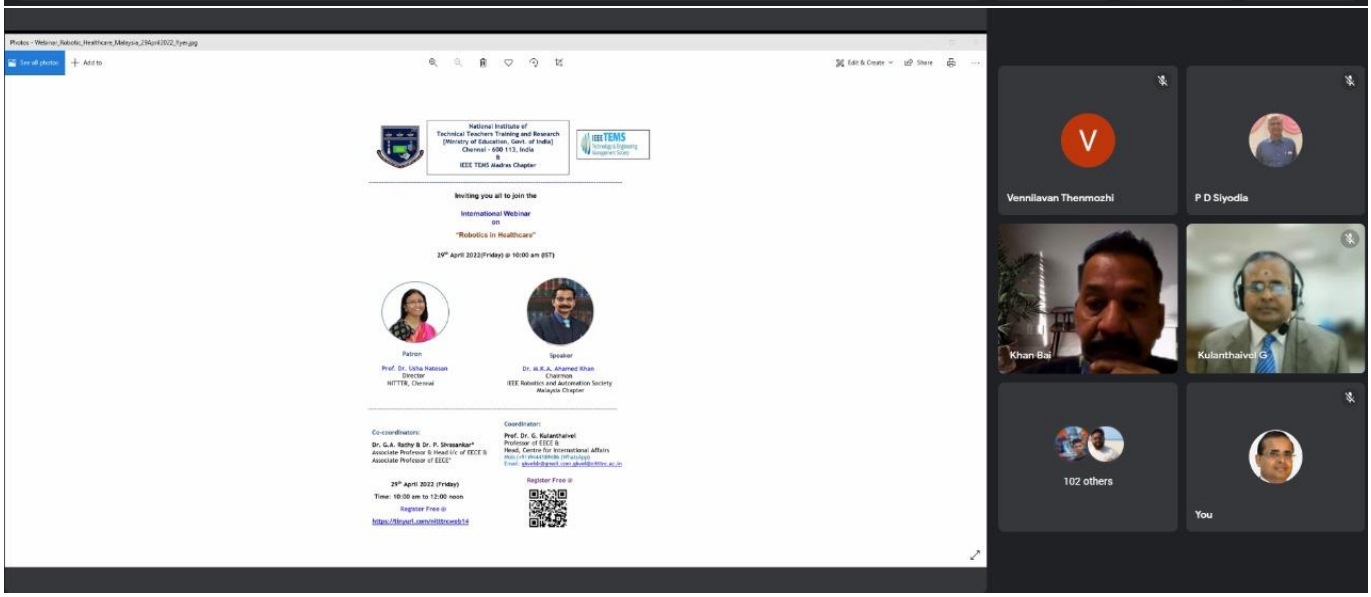
Inviting you all to join the
International Webinar
on
"Robotics in Healthcare"
29th April 2022(Friday) @ 10:00 am (IST)
Patron
Speaker
Co-coordinators:
Coordinator:
29th April 2022 (Friday)
Time: 10:00 am to 12:00 noon
Register Free @
Vennilavan Thenmozhi
P D Siyodia
Khan Bai
Kulanthaivel G
102 others
You