

Titel: Hvad er en robot i sundhedssektoren - nu og i fremtiden?

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Abstract:

Vi ser for tiden mange forskellige robotsystemer blive taget i brug på de danske sygehuse. Nogle af dem kører rundt med emner i kælderen, andre bliver brugt på operationsstuerne, og andre igen bliver brugt til genoptræning osv.

I indlægget her vil prof. Thiusius R. Savarimuthu fra SDU Robotics introducere 3 hovedkategorier (Teleopererede-, Assisterende- og automatiske robotter) indenfor styring af robotter i sundhedssektoren. Der vil blive præsenteret eksempler på robotter i sundhedssektoren på alle 3 kategorier både på det danske og internationale marked.

Baseret på egne og internationale forskningsresultater gives et indblik i, hvad den kommende tid til bringe af automationsløsninger indenfor kirurgiske robotter. I løbet af indlægget vil lytterne blive aktiveret til at svare på dilemmaer som opstår, når man skal implementere automatiske løsninger.

Forskningsfelt:

Professor Thiusius Rajeeth Savarimuthu received his Ph.D. degree in Robotics and Embedded Medical Vision in 2011. In 2005 he received his B.Sc. degree in Computer System Engineering, and his M.Sc. in Computer System Engineering at the University of Southern Denmark in 2007. He works as a full professor at the Maersk Mc-Kinney Moller Institute at the University of Southern Denmark, where he is heading the Medical Robotics group and vice section head for the SDU Robotics. He has conducted research in both national and international research projects. His research interests include medical AI, hardware acceleration of image processing algorithms and control of medical robotic systems. He is appointed Head of Research at Center for Clinical Robotics. He has published more than 104 peer-reviewed research publications and 7 patents with 3 more pending. Furthermore, he started 2 spin-off companies based on this research.