Robotics and Artificial Intelligence in today's world to assist at home

Deepak Roy, B.S. in Electrical Engineering from Wright State

Abstract (300 word limit)

Statement of the Problem: Robotics and Artificial Intelligence (AI) work hand in hand. The two fields however have some different areas of expertise. Robotics addresses scenarios such as manual labor, which would involve lifting bulky objects. Where as AI would address scenarios such as processing batch loads of information. A recent study in forbes, "The Next Generation of Robots: Working with and for People" shows that robots and AI are able to perform many tasks faster and more accurate in today's world with the increase in processing power. [1] We want to ensure that there is efficient interaction of robots with humans. A new solution to today's problem with the elderly who are unable to walk, is to use some sort of robotics and artificial intelligence. The most effective solution to resolve this issue is to embed algorithms, such as detecting all the dirt around the whole house to perform all the necessary household functions and assist the elderly or anyone critically injured. To address this situation it would be ideal to program positioning and control algorithms within the robot.

Keywords: Robotics, Artificial Intelligence

Image



Figure 1: Effects of alcohol on the pharmacokinetics methamphetamine (METH), 3, methylenedioxymethamphetaminen (MDMA), cocaine, ar nicotine. (↑: increase or enhancement; ↓ decrease or deterioration)

Recent Publications

[1]S. Banker, "The Next Generation of Robots: Working with and for People," *Forbes*, 29-May-2014. [Online].Available:https://www.forbes.com/sites/stevebanker/2014/05/29/the-next-generation-of-robots-working-with-and-for-people/[Accessed:22-Sep-2019].

Photograph



Biography (150 word limit)

Deepak Roy is an Engineer who received his degree in Electrical Engineering from Wright State University in Ohio. Deepak has an interest in developing new ideas and concepts using his engineering knowledge.