

EHTV Exoskeleton based on Horizontal Thrust Vector

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Abstract

Exoskeleton based on Horizontal Thrust Vector (EHTV) consist of developing new method to increase speed and reducing muscular effort while walking or running .Conventional exoskeleton consist the use of actuators on joints of muscular articulations to assist motion by supplying an amount of quantity of torque according to effort provided by muscles.The studies of EHTV explore another solution to achieve the same results without the use of actuators on Muscular Articulation Joints (MAJ) .

Some principles of the EHTV is based on understanding the effects of gravity of an object on a slope .Researches demonstrates that objects like a ball velocity tend to accelerate or decelerate on rising and downward slope .EHTV consist of the use downward slope Mathematics and principle by using innovation solution to achieve the same results without using any slopes .

Biography

Born in Togo , Sam Kodo is a researcher in Robotic and AI from university of Togo , He has published more than 5 papers in reputed journals and has built more than 15 prototypes of robots.