

Electrical and Computer Engineering Distinguished Speaker



Sami Haddadin, PhD

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Interaction

German Aerospace Centre (DLR)
Robotics and Mechatronics Center

Thursday, November 14, 2013

12:30 p.m. - 1:30 p.m.

Spencer Engineering Building, room 3109

Robotics Research at German Aerospace Centre (DLR): From Space Robots to Human-Centered Robotics

Abstract

Haddadin's talk will include an overview of the various robotics research domains at the Robotics and Mechatronics Centre of the German Aerospace Center (DLR). He will review recent achievements of DLR in space robotics, articulated hands and arms, medical robots, as well as the developments in humanoid robotics. Afterwards, Haddadin will primarily focus on the field of human-centered robotics to highlight his work on safe control, acting, and planning in human environments. He will present the recent development of novel programming paradigms that act as a simple yet powerful interface between programmer, automatic planning, and the robot.



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