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Robotic Gripper based on Tendon-driven Finger

Date: 29 March, 2023 (Wednesday)
Time: 12:30 p.m.
Venue: Room 7-34, Haking Wong Building, HKU

Speaker: Mr. Xinqi Li (M.Phil. candidate)
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Abstract:
Robot grasping and manipulation is a developing field of research. The compliance and flexibility of mechanical structures are applied in this area to develop highly flexible robotics for the cooperation. The development of robot hands has made momentous impact in the area of robot grasping and manipulation. With an developing demand for industrialization, Engineers require robots to launch task in complex and unstructured environments, situations which normal robot hands are not very suitable. A paradigm shift in the methods and materials used to develop robots is required for the purpose of adapting and working safely in human environments. This report explores some novel concepts of grasping problems in the development of robot manipulators. The achievements and shortcomings of recent technology in these key areas are evaluated, and this report concludes with a discussion on the potential impacts of robot manipulators on industry and society.

ALL INTERESTED ARE WELCOME

For further information, please contact Dr. P. Lu at 3910 2548.