



Pneumatic Actuators

Guest Editor:

Dr. Steve Davis

School of Engineering, College of
Engineering and Physical
Sciences, University of
Birmingham, Birmingham B15
2TT, UK

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Message from the Guest Editor

Pneumatic actuators have been used in robotics for many years. However, historically, they have only been used in applications that use bang-bang control, e.g., industrial grippers or factory automation. In recent years, pneumatic actuation has seen increasing application in all areas of robotics. This has been a result of the development of better control techniques, more accurate mathematical models and the development of new actuator designs. Additionally, increased interest in compliant actuators and systems, as well as soft robots which are highly deformable, inherently safe and often do not use conventional actuators has led to the development of new pneumatic actuators being produced. This Special Issue aims to present advances in both the development of novel pneumatic actuators and the use of pneumatic actuators in new application domains.

