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## **Feedback Control System for Friction Drag Reduction in Wall-Turbulence**

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### **Abstract**

We present the research activities on friction drag reduction control of wall-turbulence made at the University of Tokyo. A special focus is laid upon the theoretical findings related to the control strategy for drag reduction, such as the relationship between skin friction and Reynolds stress and the Reynolds number effect of feedback control. We also introduce the hardware system being developed using arrayed micro sensors and actuators.