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Special Session on
**“Disturbance Modelling, Estimation and
Active Compensation Control”**

Organized by

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Academy of Sciences, China;
Jinhua She, Tokyo University of Technology, Japan
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Call for Papers

Abstract: Real physical system is quite different from a simplified model due to multiple and complex disturbances. Disturbance suppression is always focused on because it guarantees the feasibility of advanced control algorithm in engineering practice. In past years, many researchers have carried out significant studies on interference suppression and robust control. These efforts gave a powerful impetus to the development of the control engineering. In recent years, many novel disturbance estimation and active compensation control methods have been proposed. This special session enables researchers worldwide to report their most recent developments and ideas in the field, with a special emphasis on both theoretical and technical advances proposed within the latest years.

Topics of interest include, but are not limited to:

- Disturbance observer design and applications
- Active disturbance rejection control
- Disturbance modelling and compensation
- Disturbance identification method
- Sliding mode observer and control

- Equivalent-input-disturbance method
- Adaptive robust control and application
- Composite hierarchical anti-disturbance control

▪ **IES Technical Committee Sponsoring the Special Session:**

Motion Control (TCMC)

Human Factors (TCHF)