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Special Session on

"Design, Modeling, and Control Applications of Fluid Power Systems"

Organized by

Principal Organizer(s): (Names with email and affiliation address)

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Call for Papers

Fluid power systems are the use of fluids, oil-hydraulic, pneumatic, and water, under pressure to generate, control, and transmit power. Their applications have become not only industrial/construction machines, but have expanded to include a wide range of mechatronic products. Therefore, fluid power systems have been always challenging topics for both theoretical and practical research in mechanical, robotics, and motion control research communities. The purpose of this special session is to provide an opportunity for researchers from academia and industry to deeply discuss their latest theoretical and technological achievements in fluid power systems.

Topics of interest include, but are not limited to:

- Linear/Nonlinear modeling of fluid power systems
- Advanced motion control in fluid power systems
- Design and modeling of fluid power actuators
- Components and system design
- Hydraulic and pneumatic applications in robotics, mechatronics, and automotive
- Medical and welfare equipment using fluid power actuators

- **IES Technical Committee Sponsoring the Special Session (if any):**

Technical Committee on Motion Control