

SMASIS DIVISION TECHNICAL COMMITTEE AWARD DESCRIPTION

AWARD YEAR: 2024

Award Title: Adaptive Systems Dynamics and Controls Best Journal Paper Award

Awarding TC Name: Adaptive Systems Dynamics and Controls

Award Description:

The award aims to recognize significant contributions made in the field of adaptive systems during 2023. This award focuses on the development and application of mathematical tools and experimental techniques with the goal of modeling and controlling the static and dynamic behavior of smart materials and distributed adaptive systems. The award seeks to highlight research that advances the field, encourages excellence, and promotes innovation.

Award Eligibility:

The award recognizes significant contributions in the field of sensing, actuation, and the seamless integration of Adaptive Systems, with scope in Uncertainty and Sensitivity Analysis, Physics-Informed AI in System Dynamics and Control, Digital Twins, and Surrogate and Reduced-Order Modeling. Nominations must feature original contributions, with at least one student (at the time of submission to the journal) as one of the authors.

Timeline / Critical Dates: See common timeline provided by the Division.

Nomination Process: If you are a SMASIS Division Senator, please email the nomination to the TC Award POC. Please provide a PDF, and the complete paper citation information including DOI number.

Evaluation Criteria:

Nominated contributions will be evaluated based on the following equally weighted criteria:

- A. Overall quality of technical content.
- B. Originality of the contribution and/or method.
- C. Impact on the field of Adaptive Systems Dynamics and Controls.

TC Award POC:

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