

SMASIS DIVISION TECHNICAL COMMITTEE AWARD DESCRIPTION

AWARD YEAR: 2024

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

Awarding Group: Adaptive Systems Dynamics and Controls

Award Description:

The award aims to recognize significant contributions made in the field of adaptive systems in the ASDC-supported symposium during the SMASIS Conference in the previous year. This award focuses on the development and application of mathematical tools and experimental techniques to model and control the dynamic behavior of smart materials and distributed adaptive systems. The award highlights 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 and must be accepted as a full research paper to symposium 3 (ASDC-supported symposium).

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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