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Abhinav Saxena, Ph.D.

Research Scientist, NASA Ames Research Center, CA USA

e-mail: editor@ijphm.org

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- To provide a focal point for dissemination of peer-reviewed PHM knowledge.
- To promote multidisciplinary collaboration in PHM education and research.
- To encourage and assure establishment of professional standards for the practice of PHM.
- To improve the professional and academic standing of all those engaged in the practice of PHM.
- To encourage governmental and industrial support for research and educational programs that will improve the PHM process and its practice.

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The Journal supports these goals by providing a venue for archival publication of peer-reviewed results from research and development in the area of PHM. We define PHM as a system engineering discipline focused on assessing the current status as well as predicting the future condition of a component and/or system of components. PHM is broader than any single field of engineering; it draws from electrical, electronics, mechanical, civil, and chemical engineering, computer and materials science, reliability, test and measurement, artificial intelligence, physics, and economics. IJPHM seeks to publish peer reviewed multidisciplinary articles from industry, government, and academia in diverse application areas such as energy, aerospace, industrial automation, transportation, and automotive. IJPHM is dedicated to all aspects of PHM: technical, management, economic, and social.

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- Fault-Adaptive Control Methods
- Physics of Failure Mechanisms
- Modeling and Simulations
- Uncertainty Representation & Management
- Verification and Validation
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