

Special Issue

Smart Home Design

Message from the Guest Editors

A smart home is a place that is equipped with information technology and computing; it can accept as well as respond to the resident's requests. The main purpose is to provide the resident with a comfortable, convenient, safe, and joyful life through the managing of various technologies at home. A smart home system supports the control of several different systems in a household (e.g., heating, air conditioning, security, lighting, and audio/video systems) and is labeled with the term *smart homes*. As more and more home appliances and consumer electronics are deployed, the power consumption in the home area (i) tends to increase and (ii) leads to an increase in the risk of a power blackout. As a result, an intelligent smart home energy management system is needed for smart homes, which is responsible for observing and handling the working operations of home appliances. This Special Issue on smart homes focuses on bringing original research and literature reviews from different areas related to system design, analysis, operation, simulation, and control of power. Manuscript submissions in the areas mentioned as keywords below are highly encouraged.

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About the Journal

Message from the Editor-in-Chief

Designs (ISSN 2411-9660) is a peer-reviewed and open access journal which provides a unifying research framework for a wide range of engineering designs of disciplines and industrial applications, including mechanical engineering, electrical engineering, civil engineering, mechatronics, aerospace engineering, bioengineering, energy engineering, industrial engineering and manufacturing systems are of interest. We would like to invite you to contribute to the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.3 days after submission; acceptance to publication is undertaken in 4.6 days (median values for papers published in this journal in the first half of 2025).