

Record 1 of 1**Title:** Scalable Interconnected Home Automation System**Author(s):** Stangaciu, V (Stangaciu, Valentin); Oparlescu, V (Oparlescu, Vlad); Csereoka, P (Csereoka, Petra); Cioarga, RD (Cioarga, Razvan D.); Micea (Micea, Mihai V.)**Edited by:** Kloetzer M; Ferariu L**Source:** 2017 21ST INTERNATIONAL CONFERENCE ON SYSTEM THEORY, CONTROL AND COMPUTING (ICSTCC) **Book Series:** International Conferen
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Cited Reference Count: 11**Abstract:** Home Automation Systems have been continuously evolving in the past few years: some of the systems are focusing their attention on p remote access and control of the system, while others are more focused on the interconnectivity of the devices and on integrating them into great like smart cities. In this paper we propose a hierarchical architecture for Home Automation Systems, which aims at integrating both approaches. V a modular and scalable system, with multiple layers, each layer having its own distinct structure, functionality and challenges.**Accession Number:** WOS:000427419900027**Language:** English**Document Type:** Proceedings Paper**Conference Title:** 21st International Conference on System Theory, Control and Computing (ICSTCC)**Conference Date:** OCT 19-21, 2017**Conference Location:** Sinaia, ROMANIA**Conference Sponsors:** Gheorghe Asachi Tech Univ Iasi, Fac Automat Control & Comp Engrn, Dunarea Jos Univ Galati, Fac Automat Control Comp El Engrn, Politehnica Univ Timisoara, Fac Automat & Comp, IEEE Control Syst Soc, Univ Craiova, Fac Automat Comp & Elect**Author Keywords:** internet of things (IoT); wireless sensor network; home automation system**KeyWords Plus:** INTERNET; THINGS**Addresses:** [Stangaciu, Valentin; Oparlescu, Vlad; Csereoka, Petra; Cioarga, Razvan D.; Micea, Mihai V.] Politehn Univ Timisoara, Comp & Informat T Dept, Timisoara, Romania.**Reprint Address:** Stangaciu, V (reprint author), Politehn Univ Timisoara, Comp & Informat Technol Dept, Timisoara, Romania.**E-mail Addresses:** valentin.stangaciu@cs.upt.ro; vlad.oparlescu@gmail.com; petra.csereoka@gmail.com; razvan.cioarga@cs.upt.ro; mihai.micea@**Publisher:** IEEE**Publisher Address:** 345 E 47TH ST, NEW YORK, NY 10017 USA**Web of Science Categories:** Automation & Control Systems; Robotics**Research Areas:** Automation & Control Systems; Robotics**IDS Number:** BJ7LC**ISSN:** 2372-1618**ISBN:** 978-1-5386-3842-2**29-char Source Abbrev.:** INT CONF SYST THEO**Source Item Page Count:** 6**Funding:**

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