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Proceedings of the 2018 7th International Conference on Computer and Communication Engineering, ICCCE 2018

16 November 2018, Article number 8539272, Pages 421-425

7th International Conference on Computer and Communication Engineering, ICCCE 2018; Kuala Lumpur; Malaysia; 19 September 2018 through 20 September 2018; Category numberCFP1839D-USB; Code 142740

A Laser Pointer Communicating Toy (Conference Paper)

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Abstract

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This paper aims to design a smart communicating toys system equipped with laser sensors that can send and receive the data message based on the conversion of data from ASCII to binary code. The system intends to offer two-ways communication toys that will be a new medium for educational purposes for kids in their developmental stages in which both players can send and receive the data to and from each other and equipped with sound indicator module to alert the player. Lastly, functionality and system testing were conducted to verify the functionalities of the system. © 2018 IEEE.

SciVal Topic Prominence [?](#)

Topic: Design | User interfaces | tangible programming

Prominence percentile: 93.203 [?](#)

Author keywords

[Arduino](#) [Energy Security](#) [Laser Pointer](#) [Smart Toys](#) [Two-ways communication](#)

Indexed keywords

Engineering controlled terms: [Data handling](#) [Energy security](#) [Laser applications](#)

Engineering uncontrolled terms: [Arduino](#) [Data messages](#) [Developmental stage](#) [Laser pointer](#) [Smart toys](#) [Sound indicators](#) [System testing](#) [Two ways](#)

Engineering main heading: [Data communication systems](#)

Funding details

Funding sponsor	Funding number	Acronym
International Islamic University Malaysia	RIGS16-087-0251	IIUM

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Funding text



This work was conducted at the IOT and wireless communication protocols lab and is partially supported by the International Islamic University Malaysia (IIUM) Research Initiative Grant Scheme (RIGS) with the grant number RIGS16-087-0251.

ISBN: 978-153866991-4
Source Type: Conference Proceeding
Original language: English

DOI: 10.1109/ICCCE.2018.8539272
Document Type: Conference Paper
Publisher: Institute of Electrical and Electronics Engineers Inc.

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