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Procaccianti, G.

2015

document version
Publisher's PDF, also known as Version of record

Link to publication in VU Research Portal

citation for published version (APA)
Procaccianti, G. (2015). *Energy-Efficient Software*.

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Energy-Efficient Software

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The energy consumption of ICT is growing at an unprecedented pace. In addition, it is predicted that the demand for ICT technologies and services will increase in the coming years. Finding solutions to decrease ICT energy footprint is and will be a top priority for researchers and professionals in the field. As a matter of fact, hardware technology has substantially improved throughout the years. However, as recent studies show, these improvements are not effectively reducing the growth rate of ICT energy consumption. This suggests that these devices are not used in an energy-efficient way. Hence, we have to look at software.

Giuseppe Procaccianti (1985) was born in Palermo, Italy. He obtained his B.Eng. in Computer Engineering from Università degli Studi di Palermo in 2008 and his M.Eng. in Computer Engineering from Politecnico di Torino in 2011.
He pursued a double-degree Ph.D. program between the Politecnico di Torino and the VU University Amsterdam, in the area of Software Services and Software Engineering.
His research focuses on Energy-Efficient Software, i.e. analyzing the energy consumption of software systems, through statistical and empirical methods, and establishing a sound methodology for increasing the energy efficiency of ICT.

VU UNIVERSITY AMSTERDAM

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