

1. Record Nr.	UNINA9910825620403321
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Titolo	Arduino meets MATLAB : interfacing, programs and Simulink // authored by Rajesh Singh [and three others]
Pubbl/distr/stampa	Sharjah, UAE : , : Bentham Science Publishers, , [2018] 2018
ISBN	1-68108-727-8
Descrizione fisica	1 online resource (164 pages)
Disciplina	518.028553
Soggetti	System analysis - Data processing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>This book provides a single platform for beginners in systems engineering to start Arduino interface projects with MATLAB®. It covers the basics of the programming with Arduino and Arduino interfacing with MATLAB® (with and without the use of I/O packages) in 3 sections, respectively. Key features: -introduces readers to Arduino IDE, Proteus simulation modeling, Arduino interfaces with display devices, sensor interfaces (both digital and analog), actuators, MATLAB® GUIs, digital read/write systems with I/O interfaces and automation systems. - organized layout for a reader friendly experience - provides detailed circuit diagrams - provides relevant simulation modeling instructions This is an ideal book for engineering students and system designers for learning the basic programming and simulation of Arduino and MATLAB® based real time project prototypes.</p>