

1. Record Nr.	UNINA9910150406903321
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Titolo	Practical laboratory automation : made easy with autolt // Matheus C. Carvalho
Pubbl/distr/stampa	Weinheim, Germany : , : Wiley-VCH, , 2017 ©2017
ISBN	3-527-80198-7 1-5231-1532-7 3-527-80196-0 3-527-80195-2
Descrizione fisica	1 online resource (269 pages) : illustrations, tables
Disciplina	502
Soggetti	Laboratories - Automation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Introduction -- The very basics of Autolt -- Timed scripts -- Interactive scripting -- Scripting with controls -- E-mail and phone alarms -- Using low-cost equipment for laboratory automation -- Arrays and strings -- Data processing with spreadsheets -- Working with databases -- Simple remote synchronization -- Remote synchronization using remote control software -- Text-based remote synchronization -- Remote synchronization using IRC -- Remote synchronization using Windows LAN tools -- Remote synchronization using third-party LAN software -- Interacting with devices via COM ports -- Introduction to graphical user interface (GUI) -- Using GUI to control instruments -- Multitasking GUIs -- Adding graphical elements to a GUI -- Creating GUIs using Koda -- Some suggestions -- Other SciTE features -- Optical character recognition -- Scripting with nonstandard controls (UIA).
Sommario/riassunto	Adopting a practical approach, this timely book closes the gap between general and programming books on Autolt and those on laboratory automation. Following an introduction to scripting using the freeware, the most important functions are explained before step-by-step

explanations and additional software tools enable readers without prior knowledge to use Autolt for automation tasks in their labs to streamline otherwise time-consuming and error-prone workflows. Many exercises are offered throughout the book following the idea of "learning by doing", and real-world examples illustrate applications of the technique. A supplementary website features additional software for downloading.
