1. Record Nr. UNINA9910554225003321 Autore Drath Rainer Titolo AutomationML: a practical guide / / Rainer Drath Pubbl/distr/stampa Berlin; ; Boston, MA:,: Walter de Gruyter GmbH,, [2021] ©2021 **ISBN** 3-11-074623-9 Descrizione fisica 1 online resource (XIV, 275 p.) Collana De Gruyter Textbook Disciplina 670.427 Soggetti Automation - Data processing Computer software - Development Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Frontmatter -- Foreword by Prof. Dr. Alexander Fay -- Foreword by Nota di contenuto Andreas Graf Gatterburg -- Acknowledgement by Prof. Dr. Rainer Drath -- Table of Contents -- Chapter 1 - What is AutomationML? -- Chapter 2 - CAEX and AutomationML Guide -- Chapter 3 - Modelling of Geometry and Kinematics -- Chapter 4 - Modelling of Behaviour --Chapter 5 – The AutomationML Editor -- Abbreviations -- Trademarks -- Index -- Biographies This book is a beginner's guide to AutomationML Edition 2, written for Sommario/riassunto students, engineers, lecturers, developers and those interested. In guides through the basics of AutomationML Edition 2, CAEX and the AutomationML Editor. AutomationML stands for digitisation of engineering data and engineering workflows. AutomationML achieves both human readability and machine-readability. It is a method for converting data into digital information, and it supports the special needs of iterative engineering data exchange. AutomationML is in the hot spot of the digitisation of automation engineering data. It enables the modelling and transport of engineering data in a vendor neutral and machine-readable models, a valuable source of digital innovation.

Machine readable engineering data makes the data accessible and interpretable by software, enabling a plethora of opportunities. This book carefully introduces AutomationML, its goals, values and

innovations. It teaches the architecture of AutomationML and explains

the language elements with a multitude of examples and step-by-step instructions. Additional material to the book and more information about AutomationML on the website: https://www.automationml.org/about-automationml/publications/amlbook/