1. Record Nr. UNINA9910794582103321

Titolo	Healthy living, grade 10 : STEM road map for high school / / edited by Carla C. Johnson, Janet B. Walton, and Erin Peters-Burton
Pubbl/distr/stampa	Arlington : , : National Science Teaching Association, , [2020] 2020
ISBN	1-68140-496-6
Descrizione fisica	1 online resource (ix, 133 pages) : illustrations
Collana	Gale eBooks
Disciplina	613.0712
Soggetti	Health education (Secondary) Nutrition - Study and teaching (Secondary) Tenth grade (Education)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	part 1. The STEM road map : background, theory, and practice -- part 2. Healthy living, STEM road map module.
Sommario/riassunto	"In this module, students learn about health through the perspectives of a cell biologist, nutrition scientist, biochemist, physiologist, public health practitioner, consumer, and citizen. Messages about being healthy permeate society. Students will develop an in-depth understanding of what the body needs to function properly by closely examining the topics of cell metabolism and structure. Students will work in teams to investigate healthy lifestyle, examining the physiological effects of exercise and nutrition on health. Further, students will identify factors that inhibit and enhance health and interview key stakeholders in their communities"--

2. Record Nr. UNINA9910485008703321

Titolo	Architectures for Adaptive Software Systems : 5th International Conference on the Quality of Software Architectures, QoSA 2009, East Stroudsburg, PA, USA, June 24-26, 2009 Proceedings / / edited by Raffaela Mirandola, Ian Gorton, Christine Hofmeister
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2009
ISBN	3-642-02351-7
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (X, 213 p.)
Collana	Programming and Software Engineering, , 2945-9168 ; ; 5581
Altri autori (Persone)	GortonIan HofmeisterChristine MirandolaRaffaela
Disciplina	005.1
Soggetti	Software engineering Compilers (Computer programs) Computer programming Computer science Algorithms Software Engineering Compilers and Interpreters Programming Techniques Computer Science Logic and Foundations of Programming
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Model-Driven Quality Analysis -- A Model-Based Framework to Design and Debug Safe Component-Based Autonomic Systems -- Applying Model Transformations to Optimizing Real-Time QoS Configurations in DRE Systems -- Automated Architecture Consistency Checking for Model Driven Software Development -- Architectural Performance Prediction -- Improved Feedback for Architectural Performance Prediction Using Software Cartography Visualizations -- Predicting Performance Properties for Open Systems with KAMI -- Compositional Prediction of Timed Behaviour for Process Control Architecture -- Timed Simulation of Extended AADL-Based Architecture Specifications

	with Timed Abstract State Machines -- Architectural Knowledge -- Achieving Agility through Architecture Visibility -- Successful Architectural Knowledge Sharing: Beware of Emotions -- Toward a Catalogue of Architectural Bad Smells -- Case Studies and Experience Reports -- On the Consolidation of Data-Centers with Performance Constraints -- Evolving Industrial Software Architectures into a Software Product Line: A Case Study -- Adaptive Application Composition in Quantum Chemistry.
Sommario/riassunto	Much of a software architect’s life is spent designing software systems to meet a set of quality requirements. General software quality attributes include scalability, security, performance or reliability. Quality attribute requirements are part of an application’s non-functional requirements, which capture the many facets of how the functional - quirements of an application are achieved. Understanding, modeling and continually evaluating quality attributes throughout a project lifecycle are all complex engineering tasks whichcontinuetochallengethe softwareengineeringscienti ccommunity. While we search for improved approaches, methods, formalisms and tools that are usable in practice and can scale to large systems, the complexity of the applications that the so- ware industry is challenged to build is ever increasing. Thus, as a research community, there is little opportunity for us to rest on our laurels, as our innovations that address new aspects of system complexity must be deployed and validated. To this end the 5th International Conference on the Quality of Software Archit- tures (QoSA) 2009 focused on architectures for adaptive software systems. Modern software systems must often recon guretheir structure and behavior to respond to c- tinuous changes in requirements and in their execution environment. In these settings, quality models are helpful at an architectural level to guide systematic model-driven software development strategies by evaluating the impact of competing architectural choices.