1. Record Nr. UNINA9910696495903321

| | |
|---|---|
| Titolo | Bathymetric map [[electronic resource] ] : Pacific Ocean, Bushnell Knoll / / National Ocean Service |
| Pubbl/distr/stampa | Washington, D.C. : , : U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration, National Ocean Service, , 1985 |
| Descrizione fisica | 1 map : digital, PDF file |
| Soggetti | Bathymetric maps.<br>Maps.<br>Pacific Coast (Calif.) Maps |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale cartografico a stampa |
| Livello bibliografico | Monografia |
| Note generali | Depths shown by isolines, soundings and gradient tints.<br>Title from title screen (viewed on Feb. 21, 2008).<br>Includes evaluation of survey accuracy, depth gradient diagram, NOS survey index, and location diagram.<br>"NOS NH 11-1." |

2. Record Nr. UNINA9910741164203321

| | |
|---|---|
| Titolo | Using event-B for critical device software systems / / Neeraj Kumar Singh |
| Pubbl/distr/stampa | Wiesbaden ; ; New York, : Springer, c2013 |
| ISBN | 1-4471-5260-3 |
| Edizione | [1st ed. 2013.] |
| Descrizione fisica | 1 online resource (xviii, 326 pages) : illustrations (some color) |
| Collana | Gale eBooks |
| Altri autori (Persone) | SinghNeeraj Kumar |
| Disciplina | 004<br>004.01 |
| Soggetti | Formal methods (Computer science)<br>Application software - Development<br>Stochastic models |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Preface -- Introduction -- Background -- The Modelling Framework: Event-B -- Critical System Development Methodology -- Real-Time Animator and Requirements Traceability -- Refinement Chart -- EB2ALL: An Automatic Code Generator Tool -- Formal Logic Based Heart-Model -- The Cardiac Pacemaker -- Electrocardiogram (ECG) -- Conclusion -- Appendix A: Certification Standards -- Index. |
| Sommario/riassunto | Defining a new development life-cycle methodology, together with a set of associated techniques and tools to develop highly critical systems using formal techniques, this book adopts a rigorous safety assessment approach explored via several layers (from requirements analysis to automatic source code generation). This is assessed and evaluated via a standard case study: the cardiac pacemaker. Additionally a formalisation of an Electrocardiogram (ECG) is used to identify anomalies in order to improve existing medical protocols. This allows the key issue - that formal methods are not currently integrated into established critical systems development processes - to be discussed in a highly effective and informative way. Using Event-B for Critical Device Software Systems serves as a valuable resource for researchers and students of formal methods. The assessment of critical systems development is applicable to all industries, but engineers and |

physicians from the health domain will find the cardiac pacemaker case study of particular value.