1. Record Nr. UNISA996208873403316

Autore	Kocatürk Tuba
Titolo	Distributed intelligence in design [[electronic resource] /] / edited by Tuba Kocaturk, Benachir Medjdoub
Pubbl/distr/stampa	Hoboken, N.J., : Blackwell, 2011
ISBN	1-282-94451-7 9786612944512 1-4443-9239-5 1-4443-9237-9
Edizione	[1st edition]
Descrizione fisica	1 online resource (281 p.)
Altri autori (Persone)	KocaturkTuba MedjdoubBenachir
Disciplina	624.0285 720.285/63
Soggetti	Building - Information services Architecture - Information services Distributed artificial intelligence
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 and index.
Nota di contenuto	pt. 1. 1. Of sails and sieves and sticky tape / Bryan Lawson ; 2. Distributed perspectives for intelligent conceptual design / Volker Mueller ; 3. Distributed intelligence or a simple coherent mental model? / Chris J.K. Williams and Roly Hudson ; 4. Sharing intelligence : the problem of knowledge atrophy / Peter Brandon -- pt. 2. 5. Pedagogical frameworks for emergent digital practices in architecture / Brent Allpress ; pt. 6. Emergence and convergence of knowledge in building production : knowledge-based design and digital manufacturing / Eduardo Lyon ; pt. 7. Artifact and affect : open-ended strata of communication / Matias del Campo and Sandra Manninger ; pt. 9. Digital tools for creative hinges / Sean Hanna -- pt. 3. 9. Th effects of integrated BIM in processes and business models / Arto Kiviniemi ; 10. Integrated building design for production management systems / Rita Cristina Ferreira ; 11. Flexibility, semantics and standards / Robin Drogemuller and John H. Frazer ; 12. Examples of distributed intelligence on large-scale building lifecycle projects / Martin Riese --

	pt. 4. 13. Rapid practice expansion through strategic design computation / Cristiano Ceccato ; 14. Algorithmic modellign, parametric thinking / Neil Katz ; 15. Interview with the Specialist Modeling Group (SMG) : the dynamic coordination of distributed intelligence at Foster and Partners / High Whitehead ... [et al.] ; 16. Interview with Lars Hesselgren, Director PLP research / Lars Hesselgren and Benachir Medjdoub ; 17. Geometry, topology, materiality : the structural parameters in the collaborative design approach / Manfred Grohmann and Oliver Tessmann.
Sommario/riassunto	The book contains the papers developed from the presentations at the Distributed Intelligence in Design Symposium, held in Salford in May 2009. In this context, Distributed Intelligence refers to the interdisciplinary knowledge of a range of different individuals in different organisations, with different backgrounds and experience, and the symposium discussed the media, technologies and behaviours required to support their successful collaboration. The book focusses on: how parametric and generative design media can be coupled with and managed alongside Build

2.

Record Nr.	UNINA9910254590403321
Autore	Scherer Philipp O.J
Titolo	Computational Physics : Simulation of Classical and Quantum Systems / / by Philipp O.J. Scherer
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-61088-0
Edizione	[3rd ed. 2017.]
Descrizione fisica	1 online resource (XXIV, 633 p. 306 illus., 50 illus. in color.)
Collana	Graduate Texts in Physics, , 1868-4513
Disciplina	530.15
Soggetti	Physics Mathematical physics Applied mathematics Engineering mathematics Chemistry, Physical and theoretical Numerical and Computational Physics, Simulation Mathematical Applications in the Physical Sciences Mathematical and Computational Engineering Theoretical and Computational Chemistry
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	I. Numerical Methods -- Error Analysis -- Interpolation -- Numerical Differentiation -- Numerical Integration -- Systems of Inhomogeneous Linear Equations -- Roots and Extremal Points -- Fourier Transformation -- Wavelets -- Random Numbers and Monte Carlo Methods -- Eigenvalue Problems -- Data Fitting -- Discretization of Differential Equations -- Equations of Motion -- II. Simulation of Classical and Quantum Systems -- Rotational Motion -- Molecular Mechanics -- Continuum Mechanics -- Thermodynamic Systems -- Random Walk and Brownian Motion -- Electrostatics -- Waves -- Diffusion -- Convection -- Nonlinear Systems -- Simple Quantum Systems -- Quantum Many -Body Systems.
Sommario/riassunto	This textbook presents basic numerical methods and applies them to a large variety of physical models in multiple computer experiments. Classical algorithms and more recent methods are explained. Partial differential equations are treated generally comparing important methods, and equations of motion are solved by a large number of simple as well as more sophisticated methods. Several modern algorithms for quantum wavepacket motion are compared. The first part of the book discusses the basic numerical methods, while the second part simulates classical and quantum systems. Simple but non-trivial examples from a broad range of physical topics offer readers insights into the numerical treatment but also the simulated problems. Rotational motion is studied in detail, as are simple quantum systems. A two-level system in an external field demonstrates elementary principles from quantum optics and simulation of a quantum bit. Principles of molecular dynamics are shown. Modern bounda ry element methods are presented in addition to standard methods, and waves and diffusion processes are simulated comparing the stability and efficiency of different methods. A large number of computer experiments is provided, which can be tried out even by readers with no programming skills. Exercises in the applets complete the pedagogical treatment in the book. In the third edition Monte Carlo methods and random number generation have been updated taking recent developments into account. Krylov-space methods for eigenvalue problems are discussed in much more detail. The wavelet transformation method has been included as well as simple applications to continuum mechanics and convection-diffusion problems. Lastly, elementary quantum many-body problems demonstrate the application of variational and Monte-Carlo methods. .

3. Record Nr. UNINA9910160062603321

Titolo	Journal of higher education policy and management
Pubbl/distr/stampa	[Abingdon, Oxfordshire] : , : [Carfax International Publishers], , [1996]- ©1996- [Melbourne, VIC] : , : Routledge, Taylor & Francis Group
ISSN	1469-9508
Descrizione fisica	1 online resource
Disciplina	378.005
Soggetti	Universities and colleges - Administration Education, Higher - Administration Universites - Administration Enseignement superieur - Administration Education Policy Higher Education Administration scolaire Enseignement superieur Politique educative Periodicals Periodique electronique (Descripteur de forme) Ressource Internet (Descripteur de forme)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Periodico
Note generali	Refereed/Peer-reviewed