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| 1. | Record Nr. | UNIORUON00411678 |
| | Autore | Pleier : der |
| | Titolo | Meleranz / Der Pleier |
| | Pubbl/distr/stampa | Hildesheim ; New York, : Georg Olms Verlag, 1974 |
| | Edizione | [herausgegeben von Karl Bartsch] |
| | Descrizione fisica | 391 p., LXIV ; 19 cm. |
| | Disciplina | 831.1 |
| | Soggetti | POESIA TEDESCA ANTICA |
| | Lingua di pubblicazione | Tedesco (ca. 1050-1500) |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
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| 2. | Record Nr. | UNINA9910484709703321 |
| | Autore | Kasabov Nikola K |
| | Titolo | Time-Space, Spiking Neural Networks and Brain-Inspired Artificial Intelligence / / by Nikola K. Kasabov |
| | Pubbl/distr/stampa | Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2019 |
| | ISBN | 3-662-57715-1 |
| | Edizione | [1st ed. 2019.] |
| | Descrizione fisica | 1 online resource (742 pages) |
| | Collana | Springer Series on Bio- and Neurosystems, , 2520-8535 ; ; 7 |
| | Disciplina | 005.117 |
| | Soggetti | Computational intelligence
Bioinformatics
Neurosciences
Robotics
Automation
Pattern perception |
| | Lingua di pubblicazione | Inglese |
| | Formato | Materiale a stampa |
| | Livello bibliografico | Monografia |
| | Nota di bibliografia | Includes bibliographical references and index. |

Spiking neural networks (SNN) are biologically inspired computational models that represent and process information internally as trains of spikes. This monograph book presents the classical theory and applications of SNN, including original author's contribution to the area. The book introduces for the first time not only deep learning and deep knowledge representation in the human brain and in brain-inspired SNN, but takes that further to develop new types of AI systems, called in the book brain-inspired AI (BI-AI). BI-AI systems are illustrated on: cognitive brain data, including EEG, fMRI and DTI; audio-visual data; brain-computer interfaces; personalized modelling in bio-neuroinformatics; multisensory streaming data modelling in finance, environment and ecology; data compression; neuromorphic hardware implementation. Future directions, such as the integration of multiple modalities, such as quantum-, molecular- and brain information processing, is presented in the last chapter. The book is a research book for postgraduate students, researchers and practitioners across wider areas, including computer and information sciences, engineering, applied mathematics, bio- and neurosciences.
