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| 1. Record Nr. | UNINA9910483527303321 |
| Titolo | Advances in Swarm Intelligence [[electronic resource]] : 7th International Conference, ICSI 2016, Bali, Indonesia, June 25-30, 2016, Proceedings, Part I // edited by Ying Tan, Yuhui Shi, Ben Niu |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016 |
| ISBN | 3-319-41000-8 |
| Edizione | [1st ed. 2016.] |
| Descrizione fisica | 1 online resource (XXVII, 657 p. 193 illus.) |
| Collana | Theoretical Computer Science and General Issues, , 2512-2029 ; ; 9712 |
| Disciplina | 005.1 |
| Soggetti | Algorithms Artificial intelligence Numerical analysis Computer science Data mining Computer simulation Artificial Intelligence Numerical Analysis Models of Computation Data Mining and Knowledge Discovery Computer Modelling |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Trend and models of swarm intelligence research -- Novel swarm-based optimization algorithms.-Swarming behaviour -- Some swarm intelligence algorithms and their applications -- Hybrid search optimization -- Particle swarm optimization -- PSO applications -- Ant colony optimization -- Brain storm optimization -- Fireworks algorithms -- Multi-objective optimization -- Large-scale global optimization -- Biometrics. |
| Sommario/riassunto | This two-volume set LNCS 9712 and LNCS 9713 constitutes the refereed proceedings of the 7th International Conference on Swarm Intelligence, ICSI 2016, held in Bali, Indonesia, in June 2016. The 130 |

revised regular papers presented were carefully reviewed and selected from 231 submissions. The papers are organized in 22 cohesive sections covering major topics of swarm intelligence and related areas such as trend and models of swarm intelligence research; novel swarm-based optimization algorithms; swarming behaviour; some swarm intelligence algorithms and their applications; hybrid search optimization; particle swarm optimization; PSO applications; ant colony optimization; brain storm optimization; fireworks algorithms; multi-objective optimization; large-scale global optimization; biometrics; scheduling and planning; machine learning methods; clustering algorithm; classification; image classification and encryption; data mining; sensor networks and social networks; neural networks; swarm intelligence in management decision making and operations research; robot control; swarm robotics; intelligent energy and communications systems; and intelligent and interactive and tutoring systems. .
