1. Record Nr. UNINA9910783335203321

Titolo	Are chemical journals too expensive and inaccessible? [[electronic resource]] : a workshop summary to the Chemical Sciences Roundtable / / Ned D. Heindel, Tina M. Masciangioli, and Eva von Schaper, editors
Pubbl/distr/stampa	Washington, DC, : National Academies Press, c2005
ISBN	0-309-18181-X 1-282-08324-4 9786612083242 0-309-54868-3
Descrizione fisica	xi, 37 p. : ill
Altri autori (Persone)	HeindelNed D MasciangioliTina M <1969-> (Tina Marie) SchaperEva von
Disciplina	540.72
Soggetti	Chemical literature Communication in chemistry Science publishing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"This study was supported by Research Corporation under Grant GG0066, the U.S. Department of Energy under Grant DE-AT01-04ER15535, the National Institutes of Health under Grant N01-OD-4-2139 (Task Order 25), and the National Science Foundation under Grant CHE-0328197."

2. Record Nr. UNINA9910483354503321

Titolo	Swarm robotics : SAB 2004 international workshop, Santa Monica, CA, USA, July 17, 2004 : revised selected papers / / Erol Sahin, William M. Spears (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2005
ISBN	3-540-30552-1
Edizione	[1st ed. 2005.]
Descrizione fisica	1 online resource (X, 182 p.)
Collana	Lecture notes in computer science, , 0302-9743 ; ; 3342. State-of-the-art survey
Altri autori (Persone)	SahinErol SpearsWilliam M. <1962->
Disciplina	629.8/92
Soggetti	Robotics Swarm intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"First International Workshop on Swarm Robotics held ... as part of SAB 2004"--P. [4] of cover.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	From Swarm Intelligence to Swarm Robotics -- Swarm Robotics: From Sources of Inspiration to Domains of Application -- Communication, Diversity and Learning: Cornerstones of Swarm Behavior -- The SWARM-BOTS Project -- Pheromone Robotics and the Logic of Virtual Pheromones -- Distributed Localization and Mapping with a Robotic Swarm -- The I-SWARM Project: Intelligent Small World Autonomous Robots for Micro-manipulation -- An Overview of Physicomimetics -- Lattice Formation in Mobile Autonomous Sensor Arrays -- Swarming Behavior Using Probabilistic Roadmap Techniques -- Towards Dependable Swarms and a New Discipline of Swarm Engineering -- A Review of Probabilistic Macroscopic Models for Swarm Robotic Systems -- Order by Disordered Action in Swarms.
Sommario/riassunto	Swarm robotics can be defined as the study of how a swarm of relatively simple physically embodied agents can be constructed to collectively accomplish tasks that are beyond the capabilities of a single one. Unlike other studies on multi-robot systems, swarm robotics emphasizes self-organization and emergence, while keeping in mind the issues of scalability and robustness. These emphases promote the use of relatively simple robots, equipped with localized sensing ability,

scalable communication mechanisms, and the exploration of decentralized control strategies. This state-of-the-art survey is the first book devoted to swarm robotics. It is based on the First International Workshop on Swarm Robotics held in Santa Monica, CA, USA in July 2004 as part of SAB 2004.