1. Record Nr. UNINA9910483186503321 Defence applications of multi-agent systems: international workshop, **Titolo** DAMAS 2005, Utrecht, The Netherlands, July 25, 2005: revised and invited papers // Simon G. Thompson, Robert Ghanea-Hercock (eds.) Berlin; New York, : Springer, c2006 Pubbl/distr/stampa 3-540-32835-1 **ISBN** Edizione [1st ed. 2006.] Descrizione fisica 1 online resource (XII, 142 p.) Lecture notes in computer science. Lecture notes in artificial Collana intelligence, , 0302-9743;; 3890 **ThompsonSimon** Altri autori (Persone) Ghanea-HercockRobert 006.3/3 Disciplina Soggetti Intelligent agents (Computer software) Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di bibliografia Includes bibliographical references and index. Nota di contenuto pt. 1. Decision support and simulation -- pt. 2. Unmanned aerial vehicles -- pt. 3. Systems and security. Defence applications are subject to some of the world's most Sommario/riassunto demanding requirements for reliability, controllability, security, flexibility, and synchronization. The evolution of defence processes towards network enabled systems and rapid deployment scenarios, is creating an urgent demand for highly adaptive and autonomous information support systems. In particular there are requirements for reduced manpower in support roles, autonomous IT infrastructures, and automated logistics and planning, all of which provide significant scope for an agent-oriented solution set. The workshop addresses the use of agent systems and agent applications applied to defence scenarios in support of these requirements. This book constitutes the thoroughly refereed post-proceedings of the International Workshop on Defence Applications of Multi-Agent Systems, DAMAS 2005, held in Utrecht, The Netherlands in July 2005 as an associated event of AAMAS 2005, the main international conference on autonomous agents and multi-agent systems. The 10 revised full papers presented together with 1 invited article are organized in topical sections on decision support and simulation, unmanned aerial vehicles, as well as on

systems and security.