1. Record Nr. UNINA9910484008403321 Krister Segerberg on Logic of Actions / / edited by Robert Trypuz Titolo Dordrecht: .: Springer Netherlands: .: Imprint: Springer. . 2014 Pubbl/distr/stampa **ISBN** 94-007-7046-4 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (355 p.) Outstanding Contributions to Logic, , 2211-2758;; 1 Collana Disciplina 005.1015113 Soggetti Logic Computer logic Philosophy of mind Logics and Meanings of Programs Philosophy of Mind Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references. Nota di contenuto Introduction; Robert Trypuz -- PART I -- 1. "Krister Segerberg's Philosophy of Action"; Richmond Thomason -- 2. "The concept of a routine in Segerberg's philosophy of action"; Dag Elgesem -- 3. "On the Reconciliation of Logics of Agency and Logics of Event Types"; Jan Broersen -- 4. "Three traditions in the logic of action: bringing them together"; Andreas Herzig, Tiago de Lima, Emiliano Lorini, and Nicolas Troquard -- 5. "Deontic Logics based on Boolean Algebra"; Pablo Castro and Piotr Kulicki -- 6. "Dynamic Deontic Logic, Segerberg-Style"; John-Jules Meyer -- PART II -- 7. "Contraction, Revision, Expansion -Representing Belief Change Operations"; Sven Ove Hansson -- 8. "Segerberg on the Paradoxes of Introspective Belief Change"; Erik J Olsson and Sebastian Enqvist -- 9. "Equivalent Beliefs in Dynamic Doxastic Logic"; Robert Goldblatt -- 10. "On revocable and irrevocable belief revision"; Hans van Ditmarsch -- 11. "Actions, belief update, and DDL": Jérôme Lang -- 12. "DDL as an "Internalization" of Dynamic Belief Revision": Alexandru Baltag, Virginie Fiutek, and Sonja Smets -- 13. "Two logical faces of belief revision"; Johan van Benthem. This volume describes and analyzes in a systematic way the great Sommario/riassunto

contributions of the philosopher Krister Segerberg to the study of real and doxastic actions. Following an introduction which functions as a

roadmap to Segerberg's works on actions, the first part of the book covers relations between actions, intentions and routines, dynamic logic as a theory of action, agency, and deontic logics built upon the logics of actions. The second section explores belief revision and update, iterated and irrevocable beliefs change, dynamic doxastic logic and hypertheories. Segerberg has worked for more than thirty years to analyze the intricacies of real and doxastic actions using formal tools -mostly modal (dynamic) logic and its semantics. He has had such a significant impact on modal logic that "It is hard to roam for long in modal logic without finding Krister Segerberg's traces," as Johan van Benthem notes in his chapter of this book.