Record Nr. UNISA996466430503316 Biomimetic and Biohybrid Systems [[electronic resource]]: 7th **Titolo** International Conference, Living Machines 2018, Paris, France, July 17-20, 2018, Proceedings / / edited by Vasiliki Vouloutsi, José Halloy, Anna Mura, Michael Mangan, Nathan Lepora, Tony J. Prescott, Paul F.M. J. Verschure Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2018 3-319-95972-7 **ISBN** Edizione [1st ed. 2018.] Descrizione fisica 1 online resource (XVIII, 551 p. 277 illus.) Lecture Notes in Artificial Intelligence;; 10928 Collana Disciplina 006.3 Soggetti Artificial intelligence Special purpose computers Computer communication systems **Algorithms** Artificial Intelligence Special Purpose and Application-Based Systems Computer Communication Networks Algorithm Analysis and Problem Complexity Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Artificial Neural Network -- Bio-actuators -- Bio-robotics -- Biohybrid systems -- Biomimetics -- Bipedal robots -- Earthoworm-like robots -- Robotics -- Decision-making -- Tactile sensing -- Soft robots --Locomotion -- Insects -- Sensors -- Actuators. Sommario/riassunto This book constitutes the proceedings of the 7th International Conference on Biomimetic and Biohybrid Systems, Living Machines 2018, held in Paris, France, in July 2018. The 40 full and 18 short papers presented in this volume were carefully reviewed and selected from 60 submissions. The theme of the conference targeted at the intersection of research on novel life-like technologies inspired by the scientific investigation of biological systems, biomimetics, and research that seeks to interface biological and artificial systems to create