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Autore	Shanahan Murray
Titolo	The technological singularity / / Murray Shanahan
Pubbl/distr/stampa	Cambridge, Massachusetts : , : The MIT Press, , [2015]
ISBN	0-262-33183-7 0-262-33182-9
Descrizione fisica	1 online resource (269 pages)
Collana	The MIT Press essential knowledge series.
Disciplina	006.3
Soggetti	Artificial intelligence - Forecasting Artificial intelligence - Psychological aspects Technology - Social aspects Conscious automata Brain - Computer simulation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Routes to Artificial Intelligence -- Whole Brain Emulation -- Engineering AI -- Superintelligence -- AI and Consciousness -- The Impact of AI -- Heaven or Hell.
Sommario/riassunto	"The idea that human history is approaching a 'singularity'--that ordinary humans will someday be overtaken by artificially intelligent machines or cognitively enhanced biological intelligence, or both--has moved from the realm of science fiction to serious debate. Some singularity theorists predict that if the field of artificial intelligence (AI) continues to develop at its current dizzying rate, the singularity could come about in the middle of the present century. Murray Shanahan offers an introduction to the idea of the singularity and considers the ramifications of such a potentially seismic event. Shanahan's aim is not to make predictions but rather to investigate a range of scenarios. Whether we believe that singularity is near or far, likely or impossible, apocalypse or utopia, the very idea raises crucial philosophical and pragmatic questions, forcing us to think seriously about what we want as a species. Shanahan describes technological advances in AI, both biologically inspired and engineered from scratch. Once human-level AI--theoretically possible, but difficult to accomplish--has been

achieved, he explains, the transition to superintelligent AI could be very rapid. Shanahan considers what the existence of superintelligent machines could mean for such matters as personhood, responsibility, rights, and identity. Some superhuman AI agents might be created to benefit humankind; some might go rogue. (Is Siri the template, or HAL?) The singularity presents both an existential threat to humanity and an existential opportunity for humanity to transcend its limitations. Shanahan makes it clear that we need to imagine both possibilities if we want to bring about the better outcome"--MIT CogNet.

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Schintlmeister Alexander

Notodontidae & Oenosandridae (Lepidoptera) / / by Alexander Schintlmeister

Leiden ; ; Boston : , : Brill, , 2013

90-04-25918-X

1 online resource (605 p.)

World catalogue of insects, , 1398-8700 ; ; volume 11

595.78

Notodontidae

Oenosandridae

Lepidoptera

Moths

Inglese

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Description based upon print version of record.

Includes bibliographical references and index.

Preliminary Material -- Introduction -- Family group names --

Catalogue of Oenosandridae and Notodontidae -- References --

Synopsis of taxonomic changes -- Index of scientific names.

This 11th volume in the World Catalogue of Insects comprises 4415 species in 532 genera of Notodontidae andamp; Oenosandridae (Lepidoptera) , which is about 1000 species more than ever before provided in any catalogue. Altogether 7434 names of taxonomic entities are included. 27 cases of new synonymies on genus level and 72 new synonymies on species group level are reported and 15

statuses of taxa are changed. One Neotype and 24 Lectotypes are designated to stabilize the nomenclature. In line with recognized homonymies 4 replacement names are proposed. The catalogue also includes 107 new combinations of Notodontidae. The bibliographical source of almost all of the listed taxa (including the infrasubspecific entities) has been checked by the author personally. The exact type-locality of a taxon as well as the depository of the type is given, where traceable.

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