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Beyond AI-J. Storrs Hall 2007 Artificial intelligence (AI) is now advancing at such a rapid clip that it has the potential to transform our world in ways both exciting and disturbing. Computers have already been designed that are capable of driving cars, playing soccer, and finding and organizing information on the Web in ways that no human could. With each new gain in processing power, will scientists soon be able to create supercomputers that can read a newspaper with understanding, or write a news story, or create novels, or even formulate laws? And if machine intelligence advances beyond human intelligence, will we need to start talking about a computer's intentions? These are some of the questions discussed by computer scientist J. Storrs Hall in this fascinating layperson's guide to the latest developments in artificial intelligence. Drawing on a thirty-year career in artificial intelligence and computer science, Hall reviews the history of AI, discussing some of the major roadblocks that the field has recently overcome, and predicting the probable achievements in the near future. There is new excitement in the field over the amazing capabilities of the latest robots and renewed optimism that achieving human-level intelligence is a reachable goal. But what will this mean for society and the relations between technology and human beings? Soon ethical concerns will arise and programmers will need to begin thinking about the computer counterparts of moral codes and how ethical interactions between humans and their machines will eventually affect society as a whole. Weaving disparate threads together in an enlightening manner from cybernetics, computer science, psychology, philosophy of mind, neurophysiology, game theory, and economics, Hall provides an intriguing glimpse into the astonishing possibilities and dilemmas on the horizon.

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The Development of a Social Conscience in the Theatre of Arthur Adamov-Carolyn Helen Cornelia 1971

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Environment & Planning- 1998

Nottingham French Studies- 1985

Great Day Coming-Lyle Glazier 1987 Black consciousness in American literature; study of several American authors, black and white.

The New York Times Book Review- 1971

The Tablet- 1984 The international Catholic weekly.

Artificial Beings-Jacques Pitrat 2009-06-15 It is almost universally agreed that consciousness and possession of a conscience are essential characteristics of human intelligence. While some believe it to be impossible to create artificial beings possessing these traits, and conclude that ultimate major goal of Artificial Intelligence is hopeless, this book demonstrates that not only is it possible to create entities with capabilities in both areas, but that they demonstrate them in ways different from our own, thereby showing a new kind of consciousness. This latter characteristic affords such entities performance beyond the reach of humans, not for lack of intelligence, but because human intelligence depends on networks of neurons which impose processing restrictions which do not apply to computers. At the beginning of the investigation of the creation of an artificial being, the main goal was not to study the possibility of whether a conscious machine would possess a conscience. However, experimental data indicate that many characteristics implemented to improve efficiency in such systems are linked to these capacities. This implies that when they are present it is because they are essential to the desired performance improvement. Moreover, since the goal is not to imitate human behavior, some of these structural characteristics are different from those displayed by the neurons of the human brain - suggesting that we are at the threshold of a new scientific field, artificial cognition, which formalizes methods for giving cognitive capabilities to artificial entities through the full use of the computational power of machines.

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Left Business Observer- 1989

Science News- 2007