

Strategic Change: Call for Papers

By:

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Artificial Intelligence in Management

In March of 2017, BlackRock, the largest US investment management company, announced the plan to gradually replace human stock pickers with the fully automated artificial intelligence program (Thomas, 2017). In July of 2017, Bloomberg noted that advances in big data are allowing real estate companies to replace real estate appraisers with robots (Light, 2017). Kokina and Davenport (2017) point that the fully-automated artificial intelligence programs could replace human auditors, and significantly affect the accounting profession. Kazuo (2017) discusses the impact of artificial intelligence on human resource, and notes the efforts by companies to standardize and institutionalize their operations along with management of employees through standardized policy and procedures.

These are just few examples where advances in artificial intelligence are helping automation creep into knowledge-based professions, and thus, replace the human discretion. Clearly, these examples reveal the trend, in which the robots are starting to get “promoted” into the decision-making managerial positions. Chamorro-Premuzic and Ahmetoglu (2016) have already begun the discussion on the pros and cons of robot managers, while Gratton (2017) recognizes the changes in the employment landscape and calls for adjustment.

Strategic Change will publish the special issue on artificial intelligence in management, with aim to expand the discussion on the interplay between the artificial intelligence and strategic management. Specifically, we are interested in these areas:

- Effect of artificial intelligence on strategic planning. For example, could artificial intelligence creep into the senior management positions, and perform tasks such as capital budgeting to evaluate projects related to mergers and acquisitions, new product development, entry into new markets, and other?
- Effect of artificial intelligence on management training. If artificial intelligence is gradually replacing the human discretion, what type of jobs humans can expect to perform in the future (Wilson, Daugherty, Morini-Bianzino, 2017), and how to accordingly adjust the management training process, as well as management/business education?
- Effect of artificial intelligence on market efficiency. Will robo-managers create overcrowded trades, and broadly point to the same business decisions, and thus distort

the efficient market pricing of financial assets and natural resources, as well as cause the predictable trends?

- What are the effects of robo-managers on tax efficient strategies?
- Other issues not specifically mentioned in this call for papers.

Submissions

Submitted papers should be sent to the Editor in Chief Carlo Milana, email address:

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References:

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WILSON, H. J., DAUGHERTY, P. R., MORINI-BIANZINO, N. (2017) The Jobs That Artificial Intelligence Will Create: A global study finds several new categories of human jobs emerging,

requiring skills and training that will take many companies by surprise. MIT Sloan Management Review, Vol. 58 Issue 4, p14-16. 3p.