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Online Labor Platforms and the Future of Engineering Design Work

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Problem Description

It is assumed that engineering design work cannot be easily outsourced and distributed. The expertise, **coordination** and **communication** associated with the design process makes it difficult to remove this work from the firm.

The rapid advancement of digital infrastructure that enables firms to directly interact with a global workforce on an as-needed, task basis through **online**

labor platforms now allows efficient outsourcing of individual, high-expertise tasks.

It is unclear now whether this type of intellectual work will remain protected.



Previous Work, Research Questions

Focus on Policy and Regulation of low-skill tasks

Online labor platforms have been dominated by industries utilizing low-skill labor. Majority of research has focused policy and legal issues, with an industry perspective. [1,2]

Research Questions:

- Can good quality engineering design work be accomplished through open online labor platforms? • Who is doing this kind of intellectual work through
- online labor platforms?

[1] Burtch, Gordon, Seth Carnahan, and Brad N. Greenwood. "Can You Gig It? An Empirical Examination of the Gig Economy and Entrepreneurial Activity." Management Science 64, no. 12 (2018): 5497–5520. [2] Kuhn, Kristine M. "The Rise of the 'Gig Economy' and Implications for Understanding Work and Workers." Industrial and Organizational Psychology 9, no. 1 (March 2016): 157–62.











