

2020 Strategic Technology & Innovation Management Programme

Engineering human performance with cyber-human technology

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Industrial / managerial need addressed

The vast majority of industrial companies and SMEs continue to rely on human skills in their operations. Improving human performance therefore is a major lever in improving operational performance. In this project we explore the potential of cyber-human technologies to optimise human capabilities and improve industrial performance.

Expected deliverables

Based on a pilot experiment we aim to deliver new insights on how cyber-human systems can be optimised.

Engagement opportunities

We would like to collaborate with a select number of companies on this project. Companies are invited to propose potential industrial work contexts for this project. We also welcome opportunities to visit companies and think together about suitable use cases and settings for a pilot experiment. The Cambridge team will then work with the company on how cyber-human technologies can be used to optimise performance and design an experiment to test potential performance effects.

Approach

	<i>Phase 1 (to 26/2/20)</i>	<i>Phase 2 (to 19/6/20)</i>	<i>Phase 3 (to 20/11/20)</i>
<i>Activities</i>	- Literature and practice review - Identification of suitable pilot setting	- Pilot experiment	- Analysis of results - Write-up