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Sarah leads research into how we can incorporate the requirements and capabilities of people. She led the DigiTOP project that explored how sensing technologies can be used to understand human-technology collaboration in manufacturing, and leads the multidisciplinary Connected Everything network, that brings together researchers to innovate and propose new approaches to accelerate development and adoption of digital manufacturing.

Sarah is also the Chief Scientific Adviser for the Department for Transport, where she brings independent challenge and advice to the department and across government to help ensure that science, engineering, technology and innovation research and development informs the development of policy and transport systems.