Transcript

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Professor David Cardwell's pioneering work embodies the University of Warwick's ethos of making a real world difference. Professor Cardwell is a Warwick alumnus.

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He came to study here in the 1980s and left with the degree in physics and a PhD in inelastic gamma ray scattering. After leaving Warwick he took up a place at the Research Industrial Laboratory Plessey Caswell, which later became part of BAE Systems.

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Here he was introduced to superconducting materials and he started his extraordinary career.

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Professor Cardwell moved to the University of Cambridge in 1992 to further his research into superconductors. He's now one of the preeminent figures investigating the immense potential for these materials. Their potential impact on the realms of energy, transport, health and more is enormous. David now leads the bulk superconductivity research group at Cambridge, which has made significant advancements in superconductor activity.

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These include generating the highest magnetic field ever recorded in a superconductor.

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He's a founding member of the European Society of Applied Superconductivity, which set up in 1998. He established and led the successful European Forum on Bulk Superconductivity between 2002 and 2008, is presented at over 60 international conferences and is an active board member of five international journals.

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As of late last year, Professor Cardwell was additionally tasked with leading one of the world's top ranked engineering departments. He was appointed as the University of Cambridge's head of the Department of Engineering.

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Today Professor David Cardwell receives an honorary Doctor of Science from the University of Warwick.