

# **Dennis Whyte**

**Hitachi America Professor of Engineering, Head, Nuclear Science and Engineering, and Director, Plasma Science and Fusion Center at Consulate General of Canada (CTA Boston)**  
Cambridge, MA, US

Dennis Whyte is an expert in fusion research using the magnetic confinement of plasmas for energy production.

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## **Biography**

Dennis Whyte is a recognized leader in the field of fusion research using the magnetic confinement of plasmas for energy production on a faster, smaller, and more innovative path. He is a Fellow of the American Physical Society, has over 300 publications, and is heavily involved as an educator. He is widely recognized for his themes of innovation and the need for speed and economic viability in fusion. He has served on panels for the National Academies, the U.S. government, and the Royal Society. The core of the MIT fusion project, SPARC, was formed over eight years ago during an NSE design class led by Whyte to challenge assumptions in fusion. Many of the ideas underpinning the high-field approach ? including the use of HTS for high-field, demountable magnets, liquid blankets, and ARC ? have been conceived of or significantly advanced in these courses.

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## **Industry Expertise**

Research

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## **Areas of Expertise**

Physics, Boundary Plasma Physics, Magnetic Fusion Energy, Engineering

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## **Education**

University of Quebec  
Ph.D.

University of Quebec  
M.Sc.

University of Saskatchewan  
B.Eng.

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