



Bio Cynthia Barnhart

At MIT, Cynthia Barnhart is the Ford Professor of Engineering and Associate Dean in the school of Engineering, Professor of Civil and Environmental Engineering and Engineering Systems, and director of [Transportation@MIT](#). The [Transportation@MIT](#) initiative is a coordinated effort at MIT to address the pressing challenge of meeting the ever-increasing demand for transportation in a sustainable manner.

Professor Barnhart is a member of the U.S. National Academy of Engineering and has also served at MIT as Interim Dean of the School of Engineering, and co-director of both the Center for Transportation and Logistics and the Operations Research Center.

She has served in editorial positions for Operations Research, Transportation Science, and Management Science. She is the former president of INFORMS, of the INFORMS Women in Operations Research/Management Science Forum and of the INFORMS Transportation Science and Logistics Society.

Professor Barnhart has been awarded the INFORMS Award for the Advancement of Women in Operations Research and Management Science, the Franz Edelman prize for excellence in operations research and management sciences (2nd-place), and a Presidential Young Investigator Award from the National Science Foundation.

Professor Barnhart's teaching and research interests involve the development of optimization methods for large-scale transportation and logistics problems. Her approaches often require the development of new models and algorithms, and their implementations in real operating environments.