

Dr. Murilo W. Bonilha General Manager, UTRC (Ireland)



BIOGRAPHICAL PROFILE

Murilo Bonilha is General Manager of United Technologies Research Centre (Ireland) Ltd., a position he has held since August 2017. At UTRC Ireland, Bonilha leads the development of expertise and execution of European-focused research projects in controls and decision support, network and embedded systems, systems modeling and optimization, and power electronics. In this role, he has full profit and loss responsibility over UTRC operations in Ireland and also directs university partnerships, external/government relationships, and UTC business unit interactions in Europe. Bonilha held a similar position at UTRC China from 2012 to 2017, where he led research programs on fluid dynamics, thermal and building systems, and decision and control systems.

Bonilha joined United Technologies in 1996 as a research engineer at UTRC and since then has held several technical leadership positions at UTRC and Carrier Corporation. In his various roles, he developed and applied technology solutions in noise and vibration to a number of UTC products, including helicopters, elevators, escalators, and HVAC systems. Bonilha also led the Modeling, Analysis, Simulation and Computation (MASC) initiative at Carrier. Prior to UTC, Bonilha held research positions at the University of Southampton (United Kingdom) and at Cepstrum Corporation (São Paulo, Brazil).

Bonilha has published 26 peer-reviewed technical articles, primarily in the fields of structural acoustics, active noise control, and platform architecting and holds one U.S. Patent. He is a member of the Council of Tall Buildings and Urban Habitats (CTBUH) China board and sits on the industrial advisory board of the USA-China Clean Energy Research Center.

Bonilha holds a Ph.D. in acoustics and vibration from the University of Southampton (United Kingdom). He also holds an M.S. degree in systems architecture and engineering from the University of Southern California (Los Angeles), an M.S. in mechanical engineering from Federal University of Santa Catarina (Brazil), and a B.S. degree in naval architecture and marine engineering from University of São Paulo (Brazil).