

Mr. Carvalho is co-author of "***The Advanced Smart Grid***" and holds a B.S. degree in Mechanical Engineering with a concentration in robotics and control systems from the University of Kansas. He has received over 26 awards for his industry contributions including 2006 CIO 100 by *CIO Magazine*, 2009 CIO of the Year by *Energy Central*, 2010 The Networked Grid Top 100 by *GreenTech Media*, and 2011 Top 5 Smart Grid Utility Leader by *FierceSmartGrid*. Mr. Carvalho is currently a board member of the Utility Telecom Council's Smart Networks Council; an energy and technology advisor to several leading universities around the country and a requested speaker at industry events.