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He is the author of the textbook Fundamentals of Power Electronics, now in its second edition. Professor Erickson is the author of over one hundred journal and conference papers in the area of power electronics, is a recipient of the IEEE Power Electronics Society Transactions Prize Paper Award, and the IEEE William E. Newell Power Electronics Award, the highest honor in the power area.

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Professor Erickson is a Fellow of the IEEE, a Fellow of the CUNREL Renewable and Sustainable Energy Institute, and is the author of the textbook Fundamentals of Power Electronics, now in its second edition. He is the author of approximately one hundred journal and conference papers in the area of power electronics.