

Switched Capacitor Converters



11:00

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Aula 309a



Escuela Superior de Ingenieros
Universidad de Sevilla

Abstract: What are switched capacitor converters, how do they work, and where can we apply it? In this lecture we will see the principle of operation, topologies based on switched-capacitor, integration between switched-capacitor and conventional converters, and some applications.

Prof. Telles B. Lazzarin: (IEEE Senior Member) received the B.Sc., M.Sc., and Ph.D. degrees in electrical engineering from the Federal University of Santa Catarina (UFSC), Florianopolis, Brazil, in 2004, 2006, and 2010, respectively. He is currently an Adjunct Professor with the UFSC. His research interests include inverters, parallel operation of inverters, UPS, high-voltage dc–dc converters, direct ac-ac power converters, switched capacitor converters, and hybrid switched capacitor converters.

