

CURRICULUM VITAE of Angelo Tani



Angelo Tani was born in Faenza, Ravenna, Italy in 1963. He received the “Laurea” degree, with honors, in Electrical Engineering from the University of Bologna, Bologna, in 1988. Since 1990, he has been in the Department of Electrical Engineering, University of Bologna. Currently, he is a full Professor of power electronics, electric machines and drives in the Department of Electrical, Electronic, and Information Engineering, University of Bologna.

His scientific work is related to high speed electrodynamic levitation systems, linear and tubular electric machines, Direct Torque Control (DTC) of induction machines, control techniques for direct matrix converters, robust flux-weakening control schemes for induction motor drives, high power and high performance multiphase motor drives, modulation strategies for three-phase, multiphase and multilevel inverters, and diagnosis techniques and fault tolerant control schemes

for three-phase and multiphase drives.

As reviewer, he regularly serves for many international journals (IEEE Transactions on Energy Conversion, IEEE Transactions on Industrial Electronics, IEEE Transactions on Industry Applications, IEEE Transactions on Power Electronics, IET Electric Power Applications, International Journal for Computation and Mathematics in Electrical and Electronic Engineering, Electric Power Systems Research, Journal of Emerging and Selected Topics in Power Electronics).

The teaching activity (Bachelor and Master level) has covered the following courses. Electrical Actuators L (Attuatori Elettrici L), Electrical Drives L (Azionamenti Elettrici L), Electrical Drives M (Azionamenti Elettrici M), Electrical Machines T (Macchine Elettriche T), Electrical Machines and Drives (Macchine e Azionamenti Elettrici), Electromechanical Energy Conversion L (Conversione Elettromeccanica dell’Energia L), Electromechanical System Modelling M (Modellistica dei Sistemi Elettromeccanici M), Static Electric Energy Conversion M, (Conversione Statica dell’Energia Elettrica M).