

**PROPOSTA DI ISTITUZIONE DEL CORSO DI DOTTORATO IN  
INGEGNERIA ELETTRONICA, INFORMATICA ED ELETTRICA**

**CICLO 34**

**Produzione scientifica dei membri del collegio dal 2013 al 2017: vengono riportate per ciascuno le (max) 5 pubblicazioni ritenute più significative ricomprese nelle tipologie VQR**

**Prof. Zanchetta Pericle**

[1] Seang Shen Yeoh; Tao Yang; Luca Tarisciotti; Christopher Ian Hill; Serhiy Bozhko; Pericle Zanchetta, "Permanent-Magnet Machine-Based Starter-Generator System With Modulated Model Predictive Control", IEEE Transactions on Transportation Electrification, Year: 2017, Volume: 3, Issue: 4, Pages: 878-890

[2] Mi Tang; Alberto Gaeta; Andrea Formentini; Pericle Zanchetta, "A Fractional Delay Variable Frequency Repetitive Control for Torque Ripple Reduction in PMSMs", IEEE Transactions on Industry Applications, Year: 2017, Volume: 53, Issue: 6, Pages: 5553-5562

[3] Valerio Salis; Alessandro Costabeber; Stephen Cox; Pericle Zanchetta; Andrea Formentini, "Stability Boundary Analysis in Single-Phase Grid-Connected Inverters with PLL by LTP Theory", IEEE Transactions on Power Electronics, Year: 2017, IEEE Early Access Articles

[4] Valerio Salis; Alessandro Costabeber; Stephen M. Cox; Pericle Zanchetta, "Stability Assessment of Power-Converter-Based AC systems by LTP Theory: Eigenvalue Analysis and Harmonic Impedance Estimation", IEEE Journal of Emerging and Selected Topics in Power Electronics, Year: 2017, Volume: 5, Issue: 4, Pages: 1513-1525.

[5] Manjusha Vijayagopal; Pericle Zanchetta; Lee Empringham; Liliana de Lillo; Luca Tarisciotti; Patrick Wheeler, "Control of a Direct Matrix Converter With Modulated Model-Predictive Control", IEEE Transactions on Industry Applications, Year: 2017, Volume: 53, Issue: 3, Pages: 2342-2349