Lista temelor pentru specializarea: **Electric, Hybrid and Autonomous Vehicles**

Anul academic 2025 – 2026

Functie	Nume si prenume	Tema	Cod
Prof. dr. ing.	Cristian Petre COPILUȘI	Command and control system for an electric vehicle	AHEA001
	Dragos TUTUNEA	Termoelectric generation for internal combustion engine waste heat recovery	AHEA002
		Thermal management system in an internal combustion engine	AHEA003
		The use of hybrid systems in automotive industry	AHEA017
		The use of the new tehnologies in automotive industry	AHEA018
		Rolul algoritmilor de inteligență artificială în optimizarea sistemelor de propulsie hibride și electrice	AHEA019
Conf. dr. ing.	Dragoş POPA	Virtual techniques and methods applied to subsystems of electric vehicles	AHEA016
	Gabriel Cătălin MARINESCU	Vehicle fault diagnosis through vibration analysis	AHEA004
		Manufacturing processes for electric vehicle batteries	AHEA005
		Diagnostic methods for safety systems in hybrid and electric vehicles	AHEA006
		Communication protocols in EV on-board diagnostics	AHEA007
	Laurențiu Daniel RACILĂ	Sistem de monitorizare in timp real a parametrilor energetici la bateriile vehiculelor electrice	AHEA008
		Transmisii utilizate in vehiculele electrice si hibride	AHEA010
		In-wheel Brushless Traction Systems with Non-Directional Wheels	AHEA009
	Loreta SIMNICEANU	Configurații alternative de propulsie la un autoturism sport	AHEA015
	Lucian Matei	Enabling technologies and system architectures for Autonomous Vehicles	AHEA011
		Kinematic bicycle model for low-speed regime	AHEA012
	Mihaela Liana BOGDAN	The study of the mechanical vibrations for a vehicle using models with many degrees of liberty	AHEA013
		Optimization of the mechanical vibrations of vehicle using models with many degrees of liberty	AHEA014