

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

Anul academic 2025 – 2026

Funcție	Nume și prenume	Tema	Cod
Conf. dr. ing.	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 în timp real a parametrilor energetic la bateriile vehiculelor electrice	AHEA008
		Convertoare de putere utilizate în vehiculele electrice și hibride	AHEA009
		Transmisii utilizate în vehiculele electrice și hibride	AHEA010
	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
	Prof. dr. ing.	Optimization of the mechanical vibrations of vehicle using models with many degrees of liberty	AHEA014
		Command and control system for an electric vehicle	AHEA001
		Termoelectric generation for internal combustion engine waste heat recovery	AHEA002
		Thermal management system in an internal combustion engine	AHEA003