TEME MASTER ES 2020-2021

1	Prof.dr.ing. Daniel Volovici	Validation Methods of Artificial Neural Networks' Implementations
		3D Mapping using Images from Drones
2	Prof.dr.ing. Remus Brad	State of the art algorithms in texture recognition
		A comparison of up to date techniques for autonomous drones
		A survey of commercial drone applications
3	Prof.dr.ing. C-tin Zamfirescu Bala	Simulation of CPS with hardware in the loop
		Model-driven engineering using co-simulation
4	Prof.dr.ing. Adrian Florea	Computer vision model for testing Human Machine Interface products
		Designing and implementing an effective control system of energy / heat consumption in smart building.
5	Conf.dr.ing. Dorin Sima	Embedded Systems Programming - http://www.embeddedrelated.com/blogs-1/nf/all/Tutorials.php
		Software Engineering for Embedded Systems - http://www.sciencedirect.com/science/book/9780124159174
6	Conf.dr.ing. Macarie Breazu	Autosensory chess board
		Robotic arm for playing chess
7	Conf.dr.mat. Daniel Morariu	Robots that respond to High levels commands.
		Arduino simulator.
8	Conf.dr.mat. Arpad Gellert	Evaluating anticipative techniques in multicore architectures
		Forecasting electricity consumption and production using Hidden Markov Models
9	Şef.lucr.dr.ing. Stelian Ciurea	Fuzzy controller for parallel parking a vehicle
10	Şef.lucr.dr.ing. Ioana Cofaru	Procesarea si analiza datelor unui sistem de senzori
11	Şef lucr.dr.ing. Antoniu Pitic	Digital keylock
12	Şef lucr.dr.ing. Mihai Neghina	Indoor localization
13	Şef lucr.dr.ing. Alexandru Butean	Decentralized network of microdevices as smart agents
		Measuring the delays of real-time cyber-physical social systems
14	Asist.dr.ing. Cătălina Neghină	Recunoașterea amprentelor folosind CNN
15	Asist.dr.ing. Radu Chiș	Zero knowledge proofs in blockchain
		Sharding problems in blockchain
16	Asist.dr.ing. Alexandru Dorobanțiu	Statistical near lossless image compression
		Fast statistical deduplication and compression
17	Asist.dr.ing. Danel Crăciunean	Design and implementation of a textual language for specifying a Standalone FMU
		Design and implementation of an FMU generator from a metamodel implemented on the ADOxx metamodelation platform.