

List of Media Processors projects 2019

Tematica: Simulation study of media processing applications using Matlab, exploration of the DSP media education kit

	Title of the project	Realization team	Documentation
1.	Acoustic noise cancellation		I:\Signal Processing and Communication\AcousticNoiseCancellation
2.	Simulation of amplitude modulation	Andor Decebal Borcea Diana	I:\Signal Processing and Communication\AM
3.	DTMF simulation	Benea Alexandru Artenie Andrada	I:\Signal Processing and Communication\DTMF
4.	Implementation of echo and reverberation	Mareş Codrin Badragan Bogdan	I:\Signal Processing and Communication\EchoAndReverberation
5.	Measuring signal / noise ratio	Popescu Crina Tita Emima	I:\Signal Processing and Communication\SignalToNoise
6.	Estimation of signal spectrum	Popescu Maria Andreica Antonia	I:\Signal Processing and Communication\SpectrumEstimation
7.	Noise Reduction with Wavelet	Rusu Dumitru Neacşu Alexandru	I:\Signal Processing and Communication\WaveletDenoising
8.	Contour detection	Mari Andrei Sabau Ioan	I:\Video and Imaging\Edge Detection
9.	Shapes detection in imaging	Mihuc Teodora Dumitrescu Aron	I:\Video and Imaging\Shape Detection
10.	Video surveillance	Pop Mihai Magda Darius	I:\Video and Imaging\Surveillance
11.	Video reading from video memory	Cosma Ioan Suciu Ovidiu	I:\Video and Imaging\Video_R_W
12.	Image read applications	Avram Diana Floean Ioana	I:\Video and Imaging\Image_R_W
13.	Application development in Matlab on C6000		I:\The C6000 Family
14.	Edge Detection, Histogram Display	Astalâş Adriana Folfă Denis	Kit Matlab (Edge Detection, Histogram Display)
15.	Video Mozaicking, Video Stabilization	Crişan Sergiu Bălănean Alexandru	Kit Matlab (Video Mozaicking, Video Stabilization)
16.	Traffic Warning Sign Recognition and Pattern Matching	Cărbunescu Raluca Barna Carina	Kit Matlab (Traffic Warning Sign Recognition, Pattern Matching)
17.	Video and Image compression	Sabău Mircea Cecălacă Iulian	Kit Matlab (Video Compression, Image Compression)
18.	Video processing in industry	Pop Alexandru Lămoran Radu	Kit Matlab (Abandoned Object Detection, Lane Departure Warning System)
19.	Colour segmentation	Răducu Daniel Gargya Istvan	Kit Matlab (Color Segmentation)
20.	Edge Detection on Live Vide	Lukacs Daniel Lazăr Alexandru	Kit Matlab (Edge Detection on Live Video)

Bibliografie:

- 1. From MATLAB® and Simulink® to Real Time with TI DSPs – CD (1-13)**
- 2. Matlab Demos (14-18)**