

E8: Signal Processing

Signal processing concerns itself with concepts and designs related to acquisition, storage, transmission and processing of information bearing waveforms, both natural and human-made. Signal Processing research at ECE@UNM encompasses a broad range of topics including, but not limited to, speech processing, cognitive radios, image processing, array processing, communications, information theory, machine learning and pattern recognition.

Area Chair: Prof. Balu Santhanam (<http://www.ece.unm.edu/faculty/bsanthan/>)

Faculty Members:

Prof. Majeed Hayat (<http://www.ece.unm.edu/faculty/hayat/main.htm>)

Prof. Sudharman K. Jayaweera (<http://www.ece.unm.edu/~jayaweera/>)

Prof. Ramiro Jordan (<http://www.ece.unm.edu/faculty/rjordan/>)

Prof. Marios Pattichis (www.ivpcl.org)

Prof. Manel Martínez-Ramón (http://www.ece.unm.edu/faculty_Staff/Manel.html)

Major core courses:

ECE500 Theory of Linear Systems (Fall),

ECE541 Probability Theory & Stochastic Processes (Fall),

ECE539 Digital Signal Processing (Spring).