

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. Manel Martínez-Ramón

(<https://ece.unm.edu/faculty-staff/electrical-and-computer/manel-martinez-ramon.html>)

Faculty Members:

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. Balu Santhanam (<https://ece.unm.edu/faculty-staff/electrical-and-computer/balu-santhanam.html>)

Prof. Eirini Eleni Tsiropoulou (<http://ece-research.unm.edu/tsiropoulou>)

Prof. Sandra Biedron (Research Faculty)

(<https://ece.unm.edu/faculty-staff/research-faculty-profiles/Sandra%20Biedron.html>)

Prof. Michael Devetsikiotis

(<http://ece.unm.edu/faculty-staff/electrical-and-computer/michael-devetsikiotis.html>)

Major core courses:

ECE500 Theory of Linear Systems (Fall),

ECE541 Probability Theory & Stochastic Processes (Fall),

ECE539 Digital Signal Processing (Spring).