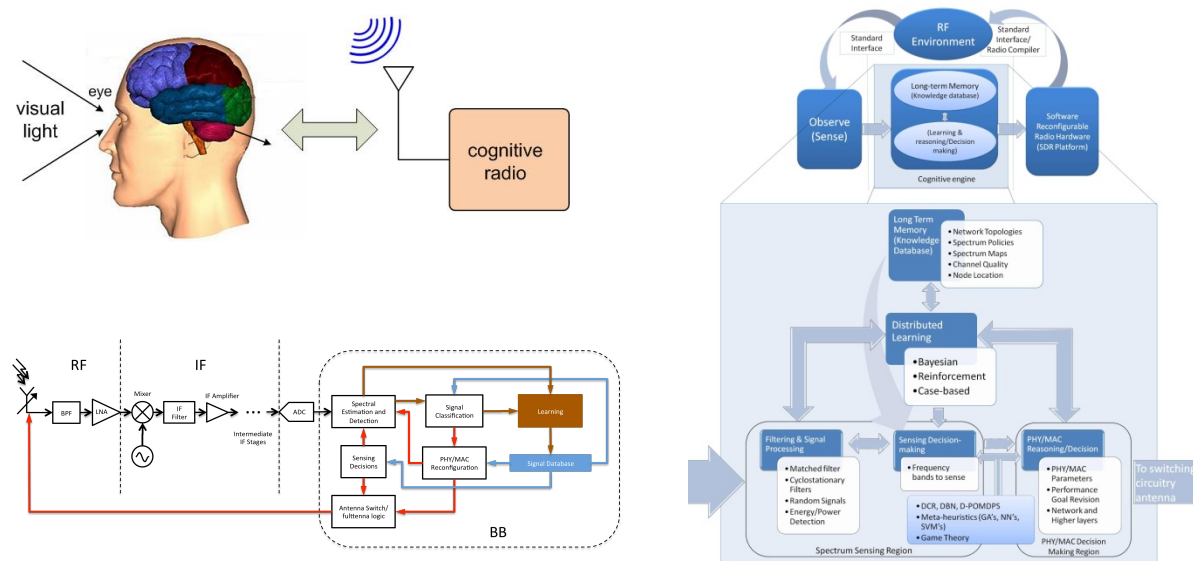


E3: Communications

Communications is the research emphasis that focuses on transmission and reception of information bearing signals. Communications research is inherently multi-disciplinary and involves theoretical foundations in communications theory, information theory and detection and estimation theory as well as applications in various wire-line, wireless and optical systems. Research in communications at ECE@UNM spans a wide-range of topics involving both theoretical studies and practical applications. Graduate students have the opportunity to participate in some of the most novel, visionary and forward-looking research projects in communications including, for example, cognitive and cooperative radios, software-defined radios, satellite communications and jamming/anti-jamming systems.



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/>)

Major core courses:

ECE500 Theory of Linear Systems (Fall),

ECE541 Probability Theory & Stochastic Processes (Fall),

ECE542 Digital Communications Theory (Spring)