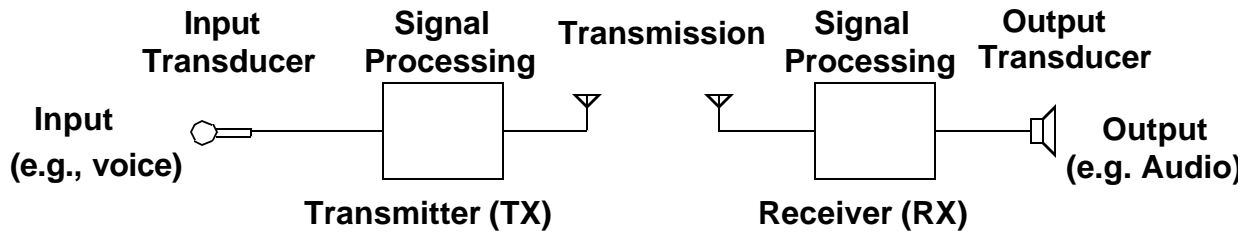


# Introduction to Communications Circuits



**Table 1: Communications Systems: Inputs, Outputs, Transducers, Transmission**

Application	Input	Transducer	Transmission (transducers)	Output	Transducer
Telephone	voice	microphone	twisted pair	voice	speaker
Cell Phone Radio Station	voice, audio	cd player, microphone	air (antennas)	audio	speaker headphones
TV Station	video	camera	air (antennas), cable	video	TV Screen
Telemetry (e.g., F1 race)	pressure, temperature,	sensors	air (antennas)	readout, numbers	video display, files
data (e.g., internet)	keystrokes, files	keyboard, storage	fiber optics (laser, detec- tors) twisted pair or cable (modem), air (antennas)	video, audio numbers	video display, speaker,

