PROTECTING EQUIPMENT FROM SELF GENERATED NOISE

Making the parts work as well together as in isolation
SOURCES OF NOISE AND WHAT TO DO ABOUT IT

• USUAL MEANS OF COUPLING
  Capacitive
  Magnetic
  Common ground impedance
  High ground loop currents
GROUNDING FOR SIGNAL INTEGRITY

• Guidelines for shield grounding
• Avoiding ground loops caused by signal transmission
• Power and ground distribution
  Bus bars
• Circuit board grounds
• Wiring inductance