**DAQ and Signal Conditioning (Version 2009) Release Notes**

* Changed course length from 3 days to 2 days
* New course hardware consists of:
  + PCI-6221, SHC68-68-EPM cable, and BNC-2120 for the analog input, analog output, digital I/O, and counter exercises
  + cDAQ-9178, NI 9219, thermocouple, and strain gage for signal conditioning exercises
  + All equipment is used together in a synchronization exercise
* Removed SCXI course hardware and DAQ Signal Accessory (contains EOL parts)
* Updated all exercises to use new course hardware
* Course material now consists of:
  + Printed exercise manual
  + Printed course manual (contains conceptual information and an appendix containing printed slides)
  + Course CD (containing the exercise and solution files)
* Reorganized lesson order to:
  + Lesson 1: Overview of a DAQ System
  + Lesson 2: Data Acquisition Hardware and Software
  + Lesson 3: Analog Input
  + Lesson 4: Analog Output
  + Lesson 5: Digital I/O
  + Lesson 6: Counters
  + Lesson 7: Signal Conditioning
  + Lesson 8: Synchronization
* Moved Triggering lesson into Analog Input lesson
* Added discussion slides after each exercise slide
* Revamped the Overview of a DAQ System lesson to present a new graphic describing the framework of DAQ system components
* Revamped the Signal Conditioning lesson to contain updated NI signal conditioning product recommendations and cover signal conditioning for temperature sensors, strain/load/pressure/torque sensors, and sound & vibration sensors
* Added new material about STC3-based devices and X Series devices in various lessons
* Moved the Signal Processing lesson to the appendix
* Removed non-critical exercises to help reduce course length to 2 days