
Midwestern Protective Relay Short Course

February 12-14, 2008

Optional Pre-course
February 11, 2008

Monday, February 11
Optional Course

1:00 PM
Registration

1:30 PM
Optional Pre-course
Larry and Nate Spurgeon of Power Control Systems Plus will discuss operation, testing, and maintenance of EM relays. Attendees are encouraged to come with questions about specific relays.

5:00 PM
Adjourn

Tuesday, February 12

7:30 AM
Registration
(for those not attending optional class on Monday)

8:00 AM
Introductions and Short Course Overview
Tom Baird, Iowa State University

8:15 AM
Relay Theory and Application of EM Relays and Microprocessor-based Bus and Transformer Differential Relays.
Tim Ernst of P&E Engineering, Carlisle, IA, will present information on design of EM relay elements, on relay theory and application of EM and microprocessor-based bus and transformer differential relays, and on specified settings for the microprocessor-based relays.

12:00 PM
Lunch

1:00 PM
Relay Theory and Application for EM and Microprocessor-based Bus and Transformer Differential Relays (continued)
Tim Ernst

4:30 PM
Adjourn

Wednesday, February 13

8:00 AM
Application of Specified Relay Settings to Relays
Relay manufacturing representatives in parallel sessions will explain how the specified relay settings are to be applied to their relays and highlighting special features of their relays. Attendees will attend the session of their choice.

10:00 AM
Application of Specified Relay Settings by Test Sets
Test set manufacturing representatives in parallel sessions will explain how the specified relay settings are to be applied to the relays using their test sets, highlighting new hardware and software features. Attendees will attend the session of their choice.

12:00 PM
Lunch

1:00 PM
Hands-on Testing of Relays
The specified relay settings will be applied to microprocessor-based bus and transformer differential relays utilizing the test sets. EM relays brought by attendees can also be tested. Relay and test set representatives and senior relay technicians will assist.

4:30 PM
Reception at Scheman Building for attendees and vendors.

Thursday, February 14

8:00 AM
Hands-on Testing of Relays (continued)

11:30 AM
Questions, Answers, and Wrap-up
Relay and test set representatives in combined session will answer questions.

12:00 PM
Lunch

1:00 PM
Adjourn