

The Mid-Michigan Section of AIChE is sponsoring a Web-based Excel Visual Basic for Applications (VBA) training course. The training will be delivered over the Internet as two consecutive half-day morning sessions. Participants can view the course alone or with a group. The course is scheduled for November 13–14, 8:30 a.m.–12:30 p.m. on both days. The cost for the course is \$150 for AIChE members and \$200 for nonmembers. Those who want to enroll should visit <http://www.peinternational.com/1846>. Call 1-866-272-8095 toll-free if you need assistance with registration.

Instructor and Excel VBA Project Consultant  
**Tom R. Mincer, Ph.D.**  
Professor of Mechanical Engineering  
California State University Northridge  
President, SpreadsheetWorld, Inc.  
[tmincer@spreadsheetworld.com](mailto:tmincer@spreadsheetworld.com)



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### **Course Description**

This course covers the VBA language: data types, functions and sub-procedures, variable scope, arrays, control structures, variable naming convention, debugging, and error trapping.

### **Focus**

Visual Basic for Applications (VBA) has become a very popular computer language. It combines legacy Basic with application-specific visual object model libraries. This VBA hands-on workshop is designed to dramatically increase productivity in using applications which host VBA, such as Excel. The purpose of this course is to provide a time-efficient, hands-on experience using VBA which will have an immediate and lasting impact for those who participate.

### **Course Outline**

- Worksheet Input-output Fields
- Goal Seeking Inputs for Desired Outputs
- Named Worksheet Ranges
- Structured Workbooks and Templates
- Excel Add-in Collection
- Visual Basic Editor Environment
- VBA Object Library
- VBA Function Procedures
- VBA Sub Procedures
- VBA User-defined Functions
- Data Typing Variables and Functions
- Declaring Variables and Objects
- VBE Debugger
- Using the Recorder for Investigation
- VBA Arrays
- Dynamic Arrays and Array Dimensioning
- Decision Structures Course Description

Each participant will receive selected SpreadsheetWorld XLToolboxes.

More in-depth material beyond what this course covers is available, and Professional Education International is willing to offer additional AIChE-sponsored training if the demand exists for it.