



The IEEE Milwaukee Industrial Electronics/Industry Applications Societies Present:

# ***PIC Programming Seminar***

Co-sponsored by UWM IEEE Student Chapter

**Instructor : David McClanahan**

Associate Faculty  
Electrical Engineering and Computer Science Department  
University of Wisconsin-Milwaukee

**Monday November 2, 9, 16, and 23, 2009**  
**12PM - 2:00 PM**

University of Wisconsin-Milwaukee, Engineering Building, Room EMS 203  
3210 N. Cramer Street, Milwaukee, WI 53211

Cost: \$50

Via: <http://ieee.soc.uwm.edu>

**Please RSVP to [ieee-officers@uwm.edu](mailto:ieee-officers@uwm.edu)**

**For further information, contact Katie Clement, [clementk@uwm.edu](mailto:clementk@uwm.edu), 229-3503**

**Abstract:** All majors are welcome to sign up but it is required that you have some introductory programming experience and some experience with digital logic. David McClanahan will be offering a short course (four, two hour classes) on programming the PIC where students will start off learning basic functions culminating in designing their own functioning volt meter. The course will not be offered for credit but is a great resume and experience builder.

Mr. **David L. McClanahan** obtained his BSEE degree from UWM in 1990 and his MSE degree from UWM in 1998. He is a Faculty Associate in UWM's Electrical Engineering department and aside from teaching he is largely responsible for the renovation of electrical laboratories and writing lab manuals. In the beginning of his career he worked at Eaton Corporation working his way up from a Co-op Engineer in 1988 to a Senior Principal Engineer in 2000 where he managed over \$8M in Government Contracts for the Department of Energy. In 2005, Mr. McClanahan started his own company performing consulting activities for companies such as Eaton Corporation, Kohler Corporation and Milwaukee Electric Tool. To date he has been awarded five United States Patents for inventions such as "back-up protection sensor for a vehicle," "self-powered wireless transducer" and "apparatus and method for real time determination of arc fault energy, location and type.