

THE UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE  
The William States Lee College of Engineering  
**Engineering Management Program**

## **Industrial and Technology Management Seminars**

EMGT 6980

Dr. Gary Teng

5:30 pm – 6:20 pm, 10/18/04 (Monday)  
Cameron Applied Research Center, Room 101

### **Reduce, Reuse, Recycle**

Raymond Guerrein  
Consultant  
Waste Reduction Partners

Mr. Ray Guerrein is a consultant at Waste Reduction Partners (WRP). The Asheville-based WRP, formed in 1992, offers free advice that helps businesses, institutions and public agencies save money and resources on waste disposal, energy costs and water use. WRP is administered by the Land-of-Sky Regional Council in Asheville, working in partnership with the N.C. Division of Pollution Prevention and Environmental Assistance. In fiscal 2003 alone, the group helped its clients find markets for 13,500 tons of waste, saving them more than \$1.3 million. It recommended measures to save 15 million gallons of water and 2.4 million kilowatt-hours of electricity a year.

Mr. Guerrein earned a master's degree in organic chemistry from Case-Western Reserve University. The advanced degree came after World War II had interrupted his college education. At 18, Guerrein enlisted in what was then called the Army Air Force. He went on to fly 35 bombing missions over Germany with the 8th Air Force as a navigator in the famed B-17, "Flying Fortress", bombers. Despite two crash landings, he survived unscathed.

After a career as a manufacturing Division Manager, Guerrein worked for South Carolina's Center for Waste Minimization for about a decade, and conducted 220 on-site waste reduction assessments. After moving to Huntersville, Guerrein joined Waste Reduction Partners three years ago as a consultant. Working with Mecklenburg County's Wipe-Out-Waste program, and the North Carolina Chamber of Commerce, he has performed over 50 waste-reduction assessments, resulting in keeping some 2,500 tons of solid waste out of landfills and saving clients more than \$500,000.

Waste reduction assessments are confidential, by invitation only, and at no charge.

\*: Mr. Guerrein's short bio is partially adopted from a Charlotte Observer article on June 04, 2004.