



American Institute of Chemical  
Engineers  
Wilmington Section

**November 18th, 2010**

**“Is Chemical Engineering Still a Desirable Skill?”**

**Uma Chowdhry**

**Chief Science and Technology Officer Emeritus, DuPont**

- Date:** Thursday, November 18, 2010
- Time:** 5:00 – 6:00 PM Registration and Networking  
6:00 PM Dinner  
7:00 PM Presentation  
9:00 Wrap up
- Venue:** Christiana Hilton Hotel  
100 Continental Drive , Newark , DE 19713
- Included:** Caesar Salad  
Grilled Marinated Vegetables  
Chicken Parmesan  
Vegetable Lasagna  
Coffee, Iced Tea, Soft Drinks  
Desserts du Jour
- Cost:** \$35 – Non members and guests  
\$30 – AIChE Members  
\$15 – Students and those between employments

**Registration Details:**

Prepay at Wilmington section website through Paypal:  
<http://www.erpt.org/wilmsect/index.html>  
(You do not have to have a Paypal account to register,  
payment is  
refundable up to the registration deadline.)

**Further Information:**

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### **Abstract**

I have witnessed the DuPont Company's evolution in the 21st century from a chemical company towards a sustainable chemicals and materials company during my tenure. We are now focused on proactively lowering the environmental footprint of the company and that of our partners along all the value chains. The role of Chemical Engineering has continually evolved throughout this period. Recent advances in genetic engineering, cellular biology, computing power, and nanotechnology have opened a new world of possibilities for innovation. When integrated with the traditional disciplines of chemistry and chemical engineering, these new fields are paving the way towards a renewable, environmentally safer world. Many examples of integrated science and engineering solutions for new products will be described with particular emphasis on the critical role that chemical engineers have played throughout this journey.

### **Speaker's Biography**

Uma Chowdhry was born and raised in Mumbai , India . She came to the United States in 1968 with a B.S. in Physics and Math from the Institute of Science, Mumbai University ; received an M.S. from Caltech in Engineering Science in 1970; and a Ph.D. in Materials Science and Engineering from M.I.T. in 1976. She joined DuPont in 1977 and she spent the first 11 years of her career in several research and management roles in the Central Research & Development (CR&D) at the DuPont Experimental Station in Wilmington , Delaware . From 1982 to 1999, Dr. Chowdhry led R&D for Electronics and Specialty Chemicals and also had business management roles for the Microcircuit Materials and Terathane® businesses. In 1999, she was appointed director of DuPont Engineering Technology and in 2002 was appointed vice president, CR&D. In 2006 she was named Senior Vice President and Chief Science and Technology officer and was responsible for the Company's market driven science and technology based innovations. In September 2010, she was named to her current position, Chief Science and Technology Officer Emeritus, pending her retirement by year-end.