The purpose of this workshop/presentation is to enlighten the participants about the most current and applied information available on Construction Industry and Environmental Issues: Alternative and Solutions involving minimum cement usage and maximizing natural, industrial and agricultural recyclable materials in green construction. The presentation will include salient technical, energy-related, environmental, and economical advantages of using those materials in everyday construction applications. The workshop would be of interest to those associated with construction industry, including design and materials engineers; architects; engineering technicians; engineers working in governmental agencies and consulting firms; engineering faculty and students; as well as ready-mixed concrete producers, concrete product manufacturers, and contractors. It will also provide significant help to people from utilities and other industries producing recyclable materials. Knowledgeable Professor engaged in using these materials will present state-of-the-art information.