Environmentally conscious design and manufacturing (ECD&M) is a view of manufacturing that includes the social and technological aspects of the design, synthesis, processing, and use of products in continuous or discrete manufacturing industries. The benefits of ECD&M include safer and cleaner factories, worker protection, reduced future costs for disposal, reduced environment and health risks, improved product quality at lower cost, better public image, and higher productivity. Environmentally conscious technologies and design practices will allow manufacturers to minimize waste and...