Conference Announcements

Tribology in Environmental Design 2000 – The Characteristics of Interacting Surfaces
A Key Factor in Sustainable and Economic Products

First International Conference, 3 – 6 September 2000, Bournemouth, United Kingdom

This international event is organised by the Tribology Design Research Unit within the School of Design, Engineering and Computing, Bournemouth University. It is also co-sponsored by the Institution of Mechanical Engineers (IMechE) and supported by the Institution of Engineering Designers (IED) both of the United Kingdom.

The scope of the conference is to project as well as environmentally assess tribological properties within technological products. The objective is to assist the designer to predict the life cycle consequences of these properties early in the product design phase. The choice of materials between interacting surfaces in relative motion together with the type of lubricant used are key in the product's life cycle, particularly in the use phase. The study of wear and the ensuing heat of friction have direct as well as indirect environmental consequences. These environmental costs incurred during a product's use are committed by early design decisions. Known engineering domains, such as tribology, need to be integrated with the perhaps more traditional design issues in an attempt to address key aspects in holistic life cycle design.

The conference seeks to discuss papers on topics related to

- Life-oriented products
- Product life design tools
- Energy studies in product use phase
- Surface quality
- Surface engineering
- Advanced materials
- Sustainable product development
- Life cycle assessment for optimised products
- Environmental impact assessment
- Lubricants
- Analytical studies

as well as other topics which fall within the scope of the conference.

It is the purpose of this conference to draw together expertise from academia and industry alike to discuss existing ideas as well as new research on the multi-disciplinary fields highlighted above. In the event that you may require further information or consider yourself suitable to contribute or participate in this event, please do not hesitate to visit our website on www.designforlifecycle.org/ted2000. Further information may also be obtained by email on ted_info@bournemouth.ac.uk.