



8th International Conference on Shot Peening

September 16-20, 2002 in Garmisch-Partenkirchen, Germany

Scope of the Conference

The Conference will cover all aspects of the Science, Technology and Application of Shot Peening, and is intended to attract users, manufacturers as well as scientists working in the field of "Materials Treatment by Shot Peening". Emphasis will be put on the current state of knowledge and research.

Shot peening has been proved to be a powerful instrument in enhancing the resistance of materials to various kinds of stress-induced damage, particularly against damage due to cyclic loading (fatigue) in air or in aggressive environments.

As shot peening can be used for a wide variety of structural components irrespective of shape and dimensions, the number of shot peening applications in many industrial branches is increasing.

The use of peen forming as a technique to form large metal parts into complicated shapes is also increasing, particularly in the aerospace industry.

ICSP8 is the eighth in a series of international conferences (1981 Paris, 1984 Chicago, 1987 Garmisch-Partenkirchen, 1990 Tokyo, 1993 Oxford, 1996 San Francisco, 1999 Warsaw) and offers scientists and engineers an unique opportunity to update their knowledge on shot peening.



Conference Location

Garmisch-Partenkirchen, once host to the Olympic winter games, is a popular resort and winter-sports centre in the foothills of the Bavarian Alps, 100 km south of Munich. Steeped in true Bavarian atmosphere, the town is embedded in a beautiful landscape. The accompanying persons' program is intended to bring participants and those accompanying them together and establish a very cordial atmosphere.

Topics

- Applications
- Controlling
- Fatigue of Fe- and Ni-based Alloys
- Stress Corrosion Cracking
- Fretting Fatigue
- Modeling
- Techniques
- Surface Layer Properties
- Fatigue of Light-Weight Alloys
- Corrosion Fatigue
- Peen Forming
- Comparison with Alternative Mechanical Surface Treatments

**For more conference information, go to:
<http://dgm.de/shot-peening>**