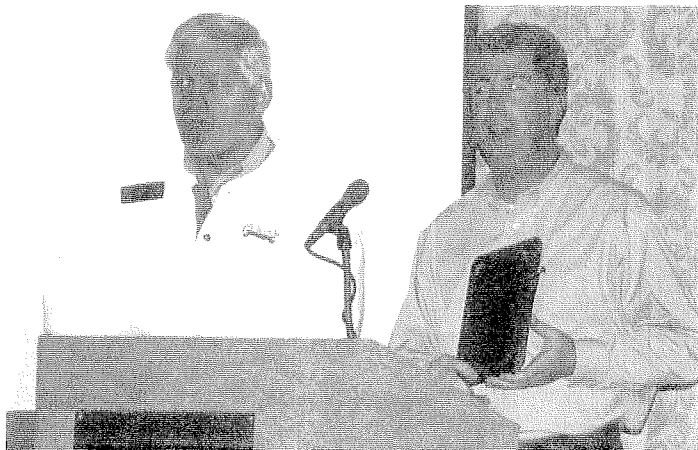


2000 Shot Peeners of the Year: Jonathan Clarke & Prof. Lothar Wagner



Jack Champaigne, Electronics Inc., awarded Jonathan Clarke with a 2000 Shot Peener of the Year plaque at the workshop.

We are please to announce that we had two recipients for the 2000 Shot Peener of the Year award: Jonathan Clarke with Delta Air Lines and Professor Lothar Wagner at the Technical University of Brandenburg at Cottbus. The following are brief biographies on Jonathan and Prof. Wagner.

Jonathan Clarke

Jonathan graduated from Riverside School of Aeronautics in 1988 with an A&P license. He was hired by Delta Air Lines as an Aircraft Mechanic in 1989 and his career at Delta as been as follows:

- Worked two years on aircraft before being transferred to the Thrust Reverser Sheet Metal Shop.
- Assigned as Special Projects Analyst for Engine Maintenance in 1992.
- Promoted to Supervisor Central Engine Planning in 1994 where he oversaw engine production, scheduling and forecasting.
- Promoted to Foreman in Engine Sheet Metal, Hardware and Mounts in 1996 where he was responsible for the shot peening of all internal rotating parts except blades and vanes. He also acted as the host facility for FAA shot peen training in coordination with Electronics Inc.

Jonathan is currently enrolled at Embry Riddle where he is pursuing a degree in Aviation Maintenance.

Prof. Lothar Wagner

Prof. Wagner is currently Chairman of the Committee on Mechanical Surface Treatments of the German Society for Materials (DGM), member of the Board of the German Society for Materials Science (DeMaWiG), member of the Editorial Board of the International Journal of Materials and Product Technology, Scientific Member of the International Committee on Shot Peening and of the TMS Titanium Committee. He is going to serve as Chairman of the next International Conference on Shot Peening in 2002 (ICSP8) to be held in Garmisch-Partenkirchen, Germany.

Lothar Wagner graduated in Mechanical Engineering with a specialization in Materials Science at the University in Bochum in 1978, where he received the Doctor of Engineering in 1981. From 1981 to 1983 he was a Visiting Research Associate and Humboldt Fellow at the University of Rochester, N. Y., USA. From 1983 to 1993, he was Senior Research Associate at the Technical University of Hamburg-Harburg, Germany, and a Lecturer in Physical Metallurgy, Materials Technology and Forming Technology as of 1990. Since 1993, he holds the Chair of Physical Metallurgy and Materials Technology of the Technical University of Brandenburg at Cottbus, where he installed a shot peening research center with emphasis on studying light-weight alloys. Several externally financed research projects (Rolls-Royce, Volkswagen, Audi) deal with the effects of shot peening on improving the fatigue performance of various components in aircraft and automotive applications.

Prof. Wagner has made fundamental contributions to the understanding of the influence of shot peening on titanium, aluminum and magnesium alloys. His results have been published in more than 100 papers in scientific journals and conference proceedings and he has given numerous invited talks. More importantly, his work has stimulated new and renewed industrial interest in applying shot peening to materials for transportation particularly, in the field of aircraft and automotive engineering.

Selected Publications

1. L. Wagner: "Mechanical Surface Treatments on Titanium Alloys: Fundamental Mechanisms" (J. K. Gregory, H. J. Rack and D. Eylon, eds.) TMS-AIME (1996).
2. L. Wagner: "Mechanical Surface Treatments on Titanium, Aluminum and Magnesium Alloys" Materials Science and Engineering A 263 (1999) 210.
3. M. Hilpert and L. Wagner: "Fatigue Performance of a Shot Peened High-Strength Magnesium Alloy" Surface Treatment IV, (C. A. Brebbia, J. M. Kenny, eds.) WIT PRESS (1999) 331.
4. T. Dörr and L. Wagner: "Fatigue Response of Various Titanium Alloys to Shot Peening" Surface Treatment IV, (C. A. Brebbia, J. M. Kenny, eds.) WIT PRESS (1999) 349.

Patents Available

Electronics Inc. has a complete list of patents relating to peening, stress, and fatigue.

Abstracts are available on our web site: www.shotpeener.com. Full text will be available soon at the web site.



Electronics Inc.
Shot Peening Controls