Electronics Inc. sponsored a banquet at Purdue University to launch the Purdue Shot Peening Program with Dean of School of Technology, Don Gentry; Assistant Dean of School of Engineering, Warren Stevenson; and 25 others.

Several industrial partners were honored for donating equipment to Purdue School of Mechanical Engineering Technology:

- Progressive Technologies - shot peening machine
- Premier Shot Company - cut wire shot
- Ervin Industries - cast steel shot
- W. S. Tyler - media analysis equipment
- Electronics Inc. - almen gauges and magna valves
- Zero Products/Clemco - air blast nozzles
- Lambda Research - X-ray stress analysis

The contact people at Purdue for additional information: Prof. Mike Magill, head of School of Mechanical Engineering Technology (mamagill@tech.purdue.edu) and Christine Corum (clcorum@tech.purdue.edu).

The 1st International Conference on Barkhausen Noise and Micro-Magnetic Testing was held in Hannover, Germany in 1998, giving scientists, researchers and engineers an opportunity to share their experience with their colleagues. Interest and involvement of the researchers and the commitment of those that were willing to pursue the industrial applications of the Barkhausen Noise method have been both equally important in elevating the BNA method to its esteem today.

The presentations in the conference covered the theory of the physical phenomenon of the magnetic Barkhausen effect and the practical applications of micromagnetic testing. Proceedings are now available as a CD or a book for the price of $40 from American Stress Technologies. You can either mail or fax your purchase order to:

American Stress Technologies
267 Kappa Drive
Pittsburgh, PA 15238-2817
Tel: (412) 963-0676 Fax: (412) 963-7552

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Inspection of Aircraft Landing Gear Components Using the Barkhausen Noise Technique
Dr. J.H. Burgoyne and Patmers, Consulting Scientists and Engineers, London, UK. Hawker Pacific Aerospace, Ltd., Heathrow Airport, Hounslow, UK

Contact Fatigue Damage Measurement of Ball Axial Bearings by Means of Barkhausen Noise
Università di Brescia. Dipartimento di Ingegneria Meccanica, Brescia, Italy

Applications of Barkhausen Noise Analysis (BNA), A Review of Three Cases Having Industrial Significance
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Process Improvement for Crankshafts Grinding Using BNA
Caterpillar Belgium. Charleroi (Gosselies)

Combined NDT Testing of Camshafts
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Introduction to Micromagnetic Techniques
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Characterization of Fatigue of Cyclically Loaded Welded Joints by Micromagnetic Testing and X-ray Diffraction
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Micromagnetic In-Process Surface Integrity Analysis of Ground Workpieces
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Detection of Grinding Damage in Hardened Gear Steels Using Barkhausen Noise Analysis
Department of Mechanical, Materials and Manufacturing Engineering, University of Newcastle, Newcastle upon Tyne, UK

Physical Basis of Micromagnetic Methods and Sensor Systems and Their Application Areas
Fraunhofer Institute fur ZfP, Universitat Saarbrucken, Germany