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PMMC PARTICIPATION TO NAMRC 31 AND SME INTERNATIONAL GRINDING, HONING AND HARD-TURNING CONFERENCES

Toledo, OH, May 24, 2003 - Dr. Ioan Marinescu, Professor and Director of Precision Micro-Machining Center of the College of Engineering, and Christian Spanu, Senior Research Associate at PMMC, attended the 2003 SME International Grinding, Honing and Hard-Turning Conference at Wyndham Northwest Hotel in Chicago, IL, during April 7-9. At this Conference, Dr. Marinescu presented a paper on modeling of the honing process, and Christian Spanu presented results on ceramics grinding with vitrified bonded diamond wheels.

During May 20-24, Dr. Ioan Marinescu and Christian Spanu attended North American Manufacturing Research Conference (NAMRC) 31, arguably the most important Conference on manufacturing on the North American continent. At this year's conference researchers from US, Argentina, Canada, Egypt, Germany, Japan, Korea, Singapore, Taiwan, Thailand, and UK presented 83 of papers.

The two PMMC researchers co-chaired session 4A on Modeling. Also, Dr. Marinescu presented a paper on "Tribological Properties of Elid-Grinding Wheel Based on In-Process Observation by Using CCD Microscope Tribosystem", and Christian Spanu presented an "Experimental Comparison Between Two- and Three-Body-Abrasion Processes as Applied to Alumina Ceramics".



Dr. Marinescu and Mr. Spanu presenting PMMC research results at conferences

PMMC is an integrated industry-academia research center. Its aim is to conduct research and development of micro-machining processes and technologies in order to facilitate their use in industry. Currently, it is attached to College of Engineering, University of Toledo in Ohio. The Precision Micro-Machining Center is in direct response to the increasing need of the industry for improving machining technology for difficult-to-machine materials. This center is mainly focussed on processing components requiring surfaces with roughness and tolerances at sub-micron and nano-meter levels. PMMC combines the resources and capabilities of industry, universities, and government agencies in a partnership to develop enabling technologies for efficient use of micro-machining. Industry co-operation helps to direct research programs and to address critical technological problems while university expertise is applied to micro-machining research for the benefit of all participating companies.