



Biographical and Professional Sketch

Romualdas Kasuba, Ph.D., P.E., Dr. (Hon)

Dean Emeritus and Professor Emeritus

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As the first dean of the newly on-paper established College of Engineering and Engineering Technology, Dean Kasuba led the college through its early development, building, growth and outreach phases to regional and national recognition. After seventeen years of service to the College and University, Dr. Kasuba retired as dean in 2003. At that time the College had grown to 1600 undergraduate and graduate students.

Prior to joining Northern Illinois University, Dr. Kasuba was director of the engineering doctorate program, chair of the Department of Mechanical Engineering, and professor at Cleveland State University, Cleveland, Ohio.

He received all his degrees in mechanical engineering from the University of Illinois in Urbana-Champaign: B.S. (1954), M.S. (1957), and Ph.D. (1962). Dr. Kasuba is also a licensed professional engineer (P.E.) in Illinois and Ohio and a veteran of the United States Army.

Dr. Kasuba has amassed about ten years of varied industrial experiences in aerospace and manufacturing industries in Cleveland and Chicago. He worked on such projects as Saturn IV, Lunar Excursion Module, and auxiliary power systems for unmanned space flights. Most of his work involved applications of new materials and design of light-weight structural and high-speed mechanical systems for extreme operational conditions and “zero-defect” requirements.

In the manufacturing area, his research tasks included re-engineering of various machine tools and punch presses to raise their capabilities above the originally designed levels, lubrication and thermal balancing of machine structures, hypervelocity punching, and new concepts for the very high-speed (>100) krpm grinding processes.

Most of his research work in industry was classified or proprietary in nature and, thus, could not be published in open technical literature. In academia, however, much of his technical research work was in the areas of power transmission dynamics, wind turbines, and fastener systems. As a college administrator, he redirected his research to engineering educational matters. Many of his concepts in methodology and program modeling were disseminated via UNESCO International Center for Engineering Education.

In his areas of expertise in systems design and engineering education, Dr. Kasuba has authored or coauthored forty-eight refereed conference and journal papers in open technical literature. Dr. Kasuba has presented lectures in Japan, China, Lithuania, Germany, Denmark, Italy, Australia, Poland, Venezuela, and France, as well as in the United States.

In academic and professional areas, Dr. Kasuba was a recipient of several national and international recognitions: Fellow; American Society of Mechanical Engineers (ASME); Certificates of Appreciation from the ASME Design Division; Distinguished Faculty Award; Cleveland State University; Sigma Xi; Tau Beta Pi; Certificate of Recognition from NASA Inventions and Contribution Board for Developing New Technology. In 1994, he was an invited distinguished scientist at Tokyo Institute of Technology. In 1998, he was awarded an honorary doctorate Kaunas University of Technology, Lithuania, and received the diamond award from the UNESCO International Engineering Education Center for the best paper. In 1999, the National Academy of Sciences of Lithuania elected him as an international member to the academy. In 2001, he was invited by Tokyo Institute of Technology to provide lectures on assessments and restructuring of universities. In 2004, he was honored with the Distinguished Alumnus Award by the Department of Mechanical Engineering at the University of Illinois.

At this time, Dr. Kasuba with his colleagues at NIU and in Europe continues to do research associated with international licensing of engineers and of international accreditation standards. In 2006, with his NIU colleagues, he received another diamond award from the UNESCO International Engineering Education Center for the best paper.