

## **DR. WILLIAM HSUN HU** **(17 August 1923 – 1 February 1995)**

Dr. William Hsun Hu, Research Professor of Materials Science and Engineering, University of Pittsburgh, died at his residence in Murrysville, PA on 1 February 1995. Following his graduate studies in metallurgy at Lehigh University and University of Notre Dame, he joined in 1951 the eminent Institute for the Study of Metals of the University of Chicago. During the subsequent years he served as research engineer, Westinghouse Research Laboratory (1955–59) and as Staff Scientist, Section Head, and Senior Research Consultant at the E. C. Bain Laboratory for Fundamental Research, U.S. Steel Corporation (1959–83). He was invited as a visiting scientist at the Technical University of Clausthal, Germany and was elected by the Alexander von Humboldt Foundation for the Distinguished Senior Scientist Award and extended visits to the University of Göttingen and the RW Technische Hochschule, Aachen.

His life long dedication to basic research in physical metallurgy and to provide major engineering solutions to manufacturing brought him many recognitions and awards, included among them the Mathewson Gold Medal (1953) and Honorary Doctor of Science, Technical University of Clausthal (1993). He is recognized worldwide as the leading authority in the areas of crystallographic texture and texture transitions in ferrous and non-ferrous alloys, phase transformations, mechanism of nucleation, grain boundary migration and grain growth. Commercial applications of his work include the grain-oriented electrical steels, deep-drawing low-carbon sheet steels, high strength phosphorus and silicon-phosphorus sheet steels and the textured high-hardness steels for armor plates. He was one of the highly sought speakers and consultants at universities, industries and Government Laboratories in the U.S.A., Canada, England, France, Belgium, Holland, Denmark, Germany, Poland, Japan, Taiwan and China. He served as a consultant to U.S. Steel, Army Materials and Mechanics Research Center and the Naval Research Laboratory. He was the Founder and Editor of the *International Journal of Texture of Crystalline Solids*.

As a member of TMS (44 years), and Fellow of ASM-International (Life Member, 49 years), he was most active as chairman and member of many technical and publications committees. In addition to more than 100 highly referenced scientific papers, the books he edited more than twenty years ago are still used as seminal references in post graduate departments. Our knowledge on the effects of materials processing and thermal treatments on crystallographic texture, microstructure and properties of metals and alloys will forever stand as a testimonial to his outstanding contributions.

Dr. Hu was 71 years of age, and is survived by his wife Dianne and their son Mason.

B. B. Rath  
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