

NEW REGIONAL EDITOR

Professor Masao Taniguchi



Dr. Taniguchi is at present professor at the Division of Inorganic Industrial Chemistry, Department of Chemical Engineering, Faculty of Engineering, Tokyo Institute of Technology. He was born on April 26, 1928 at Tokyo, Japan. In 1962 he obtained the degree of Doctor of Engineering for his thesis entitled "Study on Recoveries of Sulfuric Acid and Metal Salts from Industrial Spent Sulfuric Acid, and its Applications for Hydrometallurgical Processes". In 1962–1963, he worked at the Department of Energy, Mines and Resources, Ottawa, Canada as the post doctoral fellow of NRC under the direction of Dr. Ingraham.

His research has been mainly concerned with the reactivity, thermodynamic properties and structures of transition metal oxides, sulfides and sulfates. Special attention has been paid to established the binary and ternary phase diagrams including the isobaric lines for the nonstoichiometric transition metal sulfides by quenching method, TG method and EMF method using solid electrolyte. Problems currently undertaken include some application for material science and technology, e. g. solid electrolyte sensors, electrode materials and high temperature corrosions. Other area where he has applied thermal method of analysis are the kinetics of thermal decomposition of sulfides, sulfates, ammonium salts and hydrated salts.

He is author or co-author of over 60 scientific papers, and the publication of 10 books, e. g. textbooks, technical books, and handbooks.

He has served as the Assistant Editor of NIPPON KAGAKU KAISHI (Journal of the Chemical Society of Japan, Chemistry and Industrial Chemistry) during 1974–1975. At present he holds the Editor of NETSUSOKUTEI (Journal of the Calorimetry and Thermal Analysis, Japan).