
PREFACE

Prof. M. Yumoto



I belong to Musashi Institute of Technology, located on the west side of Tokyo Metropolis faced to the Kanagawa Prefecture. Musashi Institute of Technology was founded as Musashi Senior Engineering School in 1929. Accordingly it has a history more than 75 years and its history is relatively long in Japan.

By the way, a lineup of the Department of Electrical and Electronic Engineering at Musashi I.T. is not so large. However, the colleague engaged actively on a worldwide scale now. The spirited atmosphere in the department have been produced by Professor Yotsuo Toriyama. He arrived at his post on the department of Electrical Engineering that is the former department name of the Electrical and Electronic Engineering in Musashi I.T. in 1957. He put his heart and soul into education of students and/or young staff for the engineer and the researcher during his later half of his life at the Musashi I.T. Before arriving at the Musashi, he worked at Hokkaido University, Tohoku University and Hitachi. He required to his students to understand the intrinsic qualities as the physics of complicated phenomena at each laboratory. His philosophy was received by his students and was inherited to the next generation. As a result, he submitted many subjects as a seed on the field of electrical engineering. For example, to understand the degradation mechanism of insulating materials especially polymer material by partial or creeping discharges, to develop the technology of diagnosis concerning with the degradation of insulating materials and so on are the main research subject at Musashi I.T. These results have lately been put to practical use by the united efforts of a great number of researchers and engineers. For example, the CV cable is already used widely and the project of the UHV transmission system will be realized in P.R.China in the near future.

He had been gone in 1982 and its takes 25 years after his death. During this quarter of a century, so called the money game is becoming to the fore. However, I think that it should be important to encourage the manufacturing industries for the prosperity of most countries. For that purpose, it is very important to cultivate the technical experts and to inherit the technology from generation to generation. On the occasion, the most important point is not only to train technological skill, but also to succeed the philosophy that requires to young engineers to understand the intrinsic qualities as the physics. I would like to keep the philosophy myself and to turn my experience to educate my young students for the good engineers or researchers.

Prof. Motoshige Yumoto

Musashi Institute of Technology, Japan