FOREWORD

According to the advance of the radio wave's fields such as communications, broadcasting, radar and so on, many types of antenna systems have been invented and/or developed so far in Japan. Many of them are so invaluable from technical viewpoints for example, the Yagi-Uda Antenna and the Weather Radar Antenna located at the top of Mt. Fuji, that they were appointed for IEEE Milestones. The Yagi-Uda antenna was invented by Professor H. Yagi and S. Uda, and is sensitive and highly-directive in the specific direction by using closely coupled parasitic elements. The Weather Radar Antenna was located on the top of Mt. Fuji and could observe typhoons coming from the south to the main islands of Japan and contributed to the prevention of weather disasters in our country.

The Technical Group of Antenna and Propagation established the" Historical Committee for Antennas "in May 2000, in order to neatly preserve information regarding as many antennas and related techniques invented and/or developed in Japan as possible, both those which have been already well used, in addition to ones expected to be used in the future. Also, the additional purpose of this committee is to encourage young researchers by introducing this valuable information.

With the background just mentioned, the objective of this special issue is to summarize Japanese antenna activities and introduce this information abroad, especially in the direction of Asia. Concretely, we classify many antennas to 11 types of antenna fields such as wire antennas, printed antennas, reflector antennas, and so on, and ask 21 authorities to summarize each antenna field as an invited paper. As many antennas and related techniques have been invented and/or developed so far in Japan, we apologize that it is impossible to categorize all of them. The guest editors would like to thank all of the authors who spent their valuable time for this issue. Finally, the members of this issue's editorial committee are Hiroyuki Arai, Hiroki Shoki, Jiro Hirokawa, Toshikazu Hori, Nobuyoshi Kikuma, Yoshihiko Konishi, Shigeru Makino, Shinichi Nomoto, Yasuo Suzuki, Masaharu Takahashi and Hiroyoshi Yamada.

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