

BRIEF BIOGRAPHY OF MICHIO MATSUOKA

Name: Michio MATSUOKA

Place of Birth: Tokyo, Japan

Date of Birth: May 4, 1936

1. Education

- 1960 (March) Graduated from Osaka University, Faculty of Science, Department of Physics
- 1971 (November) Received the degree of Doctor of Science from Kyoto University
Submitted thesis: "Non-Ohmic Properties of Zinc Oxide Ceramics"

2. Business Career

- 1960 (April) Entered Matsushita Electric Industrial Co., Ltd.
Engaged in research and development of electronic ceramics in Wireless Research Laboratory
- 1978 (November) General Manager, Management Committee, Wireless Research Laboratory
- 1982 (May) Technical General Manager, Ceramics Division, Matsushita Electronic Components, Co., Ltd.
- 1987 (November) Executive Managing Director, Hokkaido Matsushita Electric Co., Ltd.
- 1990 (October) Director, Ceramics R&D Center, Ceramics Division, Matsushita Electronic Components, Co., Ltd.
- 1996 (May) Retired from Matsushita Electric Industrial Co., Ltd. (mandatory age retirement)

3. Career in Research and Development

Electronic ceramics as targets of research and development, such as SiC varistors, ZnO varistors and ceramic sensors

4. Achievements

1967 (July) Discovered non-Ohmic properties of ZnO ceramics

1968 (December) Developed ZnO varistors as an original inventor

5. Awards

- 1972 Invention Prize from the Japan Institute of Invention and Innovation
- 1972 Okochi Memorial Award from Okochi Memorial Foundation of Japan
- 1974 Iwase Award from the Japan Society of Powder and Powder Metallurgy
- 1975 Japan Patent Office Commissioner Award from the Japan Institute of Invention and Innovation
- 1978 Academic Promotion Award from the Institute of Electrical Engineers of Japan
- 1981 Richard M. Fulrath Award from the American Ceramic Society

6. Papers

About 40 papers relating to SiC varistors, ZnO varistors and ceramic sensors

7. Contributions

About 30 contributions relating to ceramics, technical management, etc.

8. Patents

About 500 Japanese patents (including pending patent applications)

About 20 foreign patents each in about ten countries (including pending patent applications)

9. Others

Photograph (attachment)