

insulation.

More than 100 papers were presented and discussed in the committee. The three years activity of this committee will result in the Technical Report of IEEJ.

## Digest Report of the Investigation Committee on High Temperature Insulation

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The committee was set in January 1996 with 30 members in order to survey technical information concerning high temperature insulations (HTIs) and their applications.

### (1) Purpose of establishment

Many power equipments and cables have been compacted and applied to severer environmental use at high temperature and therefore the design stress for the insulating materials increased not only in electrical stress but also in thermal stress. HTIs materials could be one of the solutions for the requirements for insulation in severer use. This committee aims to survey the modern HTIs and their applications.

### (2) Investigation Items

The committee determined the investigation items as follows;

- 1) Classes and kinds of high temperature insulating materials
- 2) Electrical properties of HTI
- 3) Physical and chemical properties of HTI
- 4) Applications of HTI
- 5) Test methods of HTI performance
- 6) Future trends of HTI

### (3) Activity

Since the establishment of the committee, three regular meetings and a secretary meeting have been held. About 50 papers were presented and discussed in the committee. The activity are in the first stage where selected papers will be reviewed and discussed. Three years activity of this committee will be published in a Technical Report of IEEJ.

## Digest Report of the Investigation Committee on Deterioration of Insulation Materials and Standardization of Diagnosis for Power Apparatus

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T. Ito (Musashi Institute of Technology)  
K. Umemoto (Toshiba Co., Ltd.)  
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This new Committee, established in January 1996, is scheduled to be active for three years. The Committee consists of members from colleges, research institutes, power electric companies and power apparatus manufacturers.