

# NARTE/Japan EMC Committee of KEC

The Japan EMC Committee met February 21, 2003, to discuss activities for the remainder of the 2003 calendar year. Dr. R. Sasaki, Chair, and Dr. T. Ikeda, Professor Emeritus, conducted the meeting. Other committee members are Mr. S. Seto, NCE, Chief of CRC Members, Mr. K. Ishihara, NCE, Chief of Education and Exam, Mr. K. Yanagisawa, NCE, Mr. T. Yanagisawa, NCE, Mr. M. Nakai, NCE, Mr. T. Shiomi, NCE, Mr. K. Ogawa, NCE, Mr. A. Shinozaki, NCE, and Mr. E. Hariya.

Two new activities are the "EMC Engineer/Technician Educational Course" and the "Practice Examination" for EMC Engineer and Technician candidates.

The EMC Engineer/Technician Education Course will cover the basics of EMC and will be taught by experts in EMC principles and will include practical experience.

The goals of the course include:

- 1) improving the comprehension of EMC, especially for newcomers;
- 2) standardizing the EMC curriculum to ensure that the electrical engineering curriculum explicitly addresses EMC; and
- 3) acquiring NARTE EMC Engineer/Technician certification as a prerequisite for course completion. The staff who will teach the course will include professors emeritus, professors, and EMC experts who currently work in the business world.

The practice examination will be given on December 11, 2003 in Osaka.

The committee is also devoting their efforts to ensure wider recognition and promotion of EMC Engineering as a recognized discipline in Japan. ♪

## EMC CURRICULUM AT OSAKA

| Date         | Course   | Hours | Instructor  |
|--------------|--|-------|---|
| Jun 12, 2003 | EMC Principles I: Introduction to EMC                  | 3     | Dr. Reiichi Sasaki, Chair, NARTE/Japan EMC Committee                              |
|              | EMC Principles II: Basic Electrical Circuits           | 3     | Dr. Tetsuo Ikeda, Professor Emeritus, Nagoya Institute of Technology              |
| Jun 13, 2003 | EMC Principles III: Electromagnetic Field Theory       | 3     | Dr. Nobuo Okamoto, Professor, Kinki University                                    |
| Jul 10, 2003 | Measurements and Testing I: Measuring Techniques       | 3     | Toshimichi Ohmori, NCE, Manager, Kitagawa Industries Co., Ltd.                    |
|              | Measurements and Testing II: Testing Systems and Tools | 3     | Eizo Hariya, NCE, Associate Director, Kansai Electric Industry Development Center |
| Jul 11, 2003 | EMC Standards and Regulations                          | 4     | Fujio Amemiya, Director, EMC Center, NTT Advanced Technology Corporation          |
| Sep 11, 2003 | EMC Control I: Control and Suppression Devices         | 3     | Hidetoshi Yamamoto, Section Manager of EMI Group, Murata Mfg. Co., Ltd.           |
|              | EMC Control II: Shielding and Grounding                | 3     | Kazuyuki Ogawa, NCE, Team Leader, Yazaki Corp.                                    |
| Sep 12, 2003 | Managing EMC in the Manufacturing Industry             | 4     | Katsuo Ishihara, NCE, Group Manager, Matsushita Electric Industrial Co., Ltd.     |
| Oct 9, 2003  | EMC Principles IV: EMI From Signal Transmission        | 3     | Dr. Minoru Okada, Associate Professor, Nara Institute of Science and Technology   |
|              | EMC Design I: EMC Circuit Design Principles            | 3     | Dr. Osami Wada, Associate Professor, Okayama University                           |
| Oct 10, 2003 | EMC Design II: EMI Control and Suppression Techniques  | 4     | Shinji Seto, NCE, Manager, Mitsubishi Electric Corp.                              |

### NARTE/JAPAN EMC COMMITTEE COURSES AND EXAMS

|              |  |
|--------------|--|
| Apr 11, 2003 | CRC Meeting in Tokyo   |
| May 23, 2003 | One-day practical course on EMC  |
| Nov 14, 2003 | One-day training for EMC Engineer candidates in Osaka                    |
| Nov 21, 2003 | One-day training for EMC Technician candidates in Osaka                  |
| Dec 11, 2003 | Practice examination for EMC Engineer and Technician candidates in Osaka |
| Feb 6, 2004  | NARTE EMC Engineering and Technician examination in Osaka and Tokyo      |

### KEC HEADQUARTERS COURSES

|                 |   |
|-----------------|---|
| Oct 2-3, 2003   | Eighth Annual EMC Kansai 2003 Arts and Sciences Seminar on EMC in Sizuoka |
| Oct 15-17, 2003 | Lectures and Labs on EMC Measuring Methods at KEC-EMC Measuring Center    |