

**PROCEEDINGS OF THE
10th ANNUAL IEEE TECHNICAL
EXCHANGE MEETING**



**March 23-24, 2003
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KFUPM, Dhahran**

Organized by
**The Saudi Arabia Section of the Institute of Electrical
and Electronics Engineers
&
The Electrical Engineering Department of
King Fahd University of Petroleum & Minerals**

Introduction

Building on the success of previous IEEE-Technical Exchange Meetings (TEM), IEEE Saudi Arabia Section will hold the 10th Annual IEEE-TEM Meeting on March 23-24, 2003 at KFUPM in Dhahran. The meeting consists of twelve technical sessions. The paper contributions in the meeting are from Saudi ARAMCO, King Fahd University of Petroleum and Minerals (KFUPM), King Saud University (KSU), King Abdulaziz City for Science and Technology (KACST), Bahrain University, Saudi Electricity Company (SEC), Saudi Telecommunications Company (STC), and other local colleges, universities and industries.

The Institute of Electrical and Electronics Engineers (IEEE) is a world-wide technical professional organization devoted to advancing the theory and application of electrical engineering, electronics and computing. IEEE with over 370,000 electrical engineers, scientists and other professionals in approximately 150 countries, is the largest technical professional organization in the world. The Saudi Arabia section was established in May 04, 1981. Currently, there are more than 700 members in the section. The members are from Saudi ARAMCO, KFUPM, KSU, King Abdul Aziz University (KAAU), Saudi Electricity Company (SEC), and other local universities and industries.

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