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MASTER MODULE 6

CHEMICAL SENSORS AND BIOSENSORS

ver.1.5

Edited by Gillian McMahon

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MASTER MODULE 10

MAGNETIC SENSORS

Written by S. Ripka and P. Ripka

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Magnetic sensors are used in applications everywhere: from home appliances to cars and industry and scientific instruments. They either sense magnetic field itself, or more often, another physical variable which is transformed into a magnetic response. Magnetic sensors are reliable, they have a large operating temperature range and they are resistant to vibrations, dirt and interference. More detailed information on magnetic sensors can be found in general sensor books [1-3] and in specialised literature [4-6].

MASTER MODULE 11

NEW TECHNOLOGIES AND MATERIALS

Written by A. Tipek and P. Ripka, Czech Technical University
and E. Hulicius, Institute of Physics, AVCR
with contribution from A. Hospodková and P. Neužil

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MASTER MODULE 7

LEVEL, POSITION AND DISTANCE

Written by G. Hartung, Berufsfortbildungswerk, Heidelberg, Germany

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MASTER MODULE 8

TEMPERATURE SENSORS

Written by F. Peeters, M. Peetermans KHK Belgium
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MASTER MODULE 9

SOLID-STATE GYROSCOPES AND NAVIGATION

Written by Dr André Migeon and Dr Anne-Elisabeth Lenel, M2A Technologies Sarl (France)

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