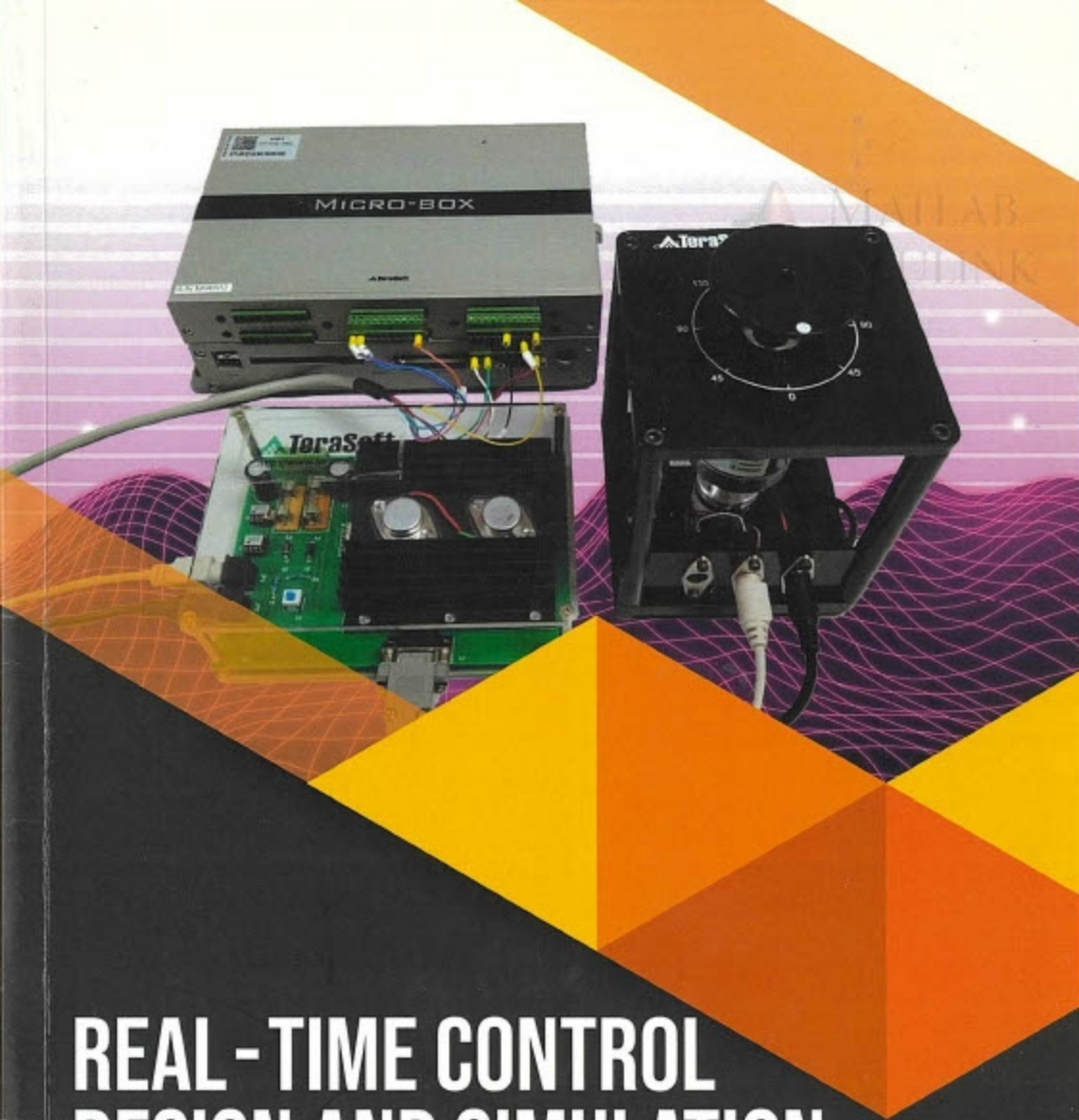

REAL-TIME CONTROL DESIGN AND SIMULATION WITH MATLAB/SIMULINK

USING TERASOFT ELECTRO-MECHANICAL ENGINEERING CONTROL SYSTEM (EMECS)

CHONG SHIN HORNG
MARIAM MD GHAZALY
NORHASLINDA HASIM

This book covers the data acquisition system and real-time application of control theory with MATLAB/Simulink. Content includes simulation and real-time experiments in the topics of open-loop system, closed-loop system, controller design, system identification and fuzzy logic.

This book targets the student who is learning a control system engineering course or doing final year project research or postgraduate research. Even an experienced engineer, this practical and hands-on application guided will give you the confidence to troubleshoot a system or set up a new system.

This book offers control theory and hands-on laboratories activities that are useful for them to start their control engineering experiences. Through this book, the reader will relate control theory and its applications to industry-relevant systems.

Chong Shin Horng is currently an Associate Professor in Mechatronics and Control Engineering and is working at Universiti Teknikal Malaysia Melaka (UTeM) since 2001. She received her Doctor of Engineering in Mechano-Micro Engineering (Precision Engineering) from the Tokyo Institute of Technology, Japan, in 2010.

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