



DIMENSION PUBLISHING SDN. BHD. (449732-T)

Suite 29, 3A Floor, IOI Business Park, 1 Persiaran Puchong Jaya Selatan,
Bandar Puchong Jaya, 47170 Puchong, Selangor Darul Ehsan, Malaysia.
Tel: +(603) 8070 9949 Fax: +(603) 8070 0047
Email: info@dimensionpublishing.com
Website: http://www.dimensionpublishing.com

Chairman ROBERT MEBRUER

CEO/Publisher PATRICK LEUNG
patrick@dimensionpublishing.com

General Manager SHIRLEY THAM
admin@dimensionpublishing.com

Editor SUVARNA OOI
sue@dimensionpublishing.com

Advertising Manager DENISE CHAN
denise@dimensionpublishing.com

Advertising Executive ALICIA CHAN
alicia@dimensionpublishing.com

Advertising Executive MASAKI YAP
masaki@dimensionpublishing.com

Graphic Designer LEE AI TING
art@dimensionpublishing.com

Junior Graphic Designer MOHD. SALMAN
salman@dimensionpublishing.com

Accounts cum Admin Assistant HO HWEE YEE
accs@dimensionpublishing.com

For advertisement placements and subscriptions, please contact:

DIMENSION PUBLISHING SDN. BHD. (449732-T)
at +(603) 8070 9949, or Email: info@dimensionpublishing.com

Subscription Department
Email: subscription@dimensionpublishing.com

Printed by

HOFFSET PRINTING SDN. BHD. (667106-V)
No. 1, Jalan TPK 1/6, Taman Perindustrian Kinrara,
47180 Puchong, Selangor Darul Ehsan, Malaysia.
Tel: +(603) 8075 7222 Fax: +(603) 8075 7333

JURUTERA MONTHLY CIRCULATION: 25,000 COPIES

Submission or placement of articles in JURUTERA could be made to the:-

Chief Editor
THE INSTITUTION OF ENGINEERS, MALAYSIA,
Bangunan Ingenieur,
Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan),
46720 Petaling Jaya, Selangor.
Tel: +(603) 7968 4001/4002 Fax: +(603) 7957 7678
Email: pub@iem.org.my or sec@iem.org.my
IEM Website: http://www.MylEM.org.my

© 2011 The Institution of Engineers, Malaysia and
Dimension Publishing Sdn. Bhd.

PUBLICATION DISCLAIMER

The publication has been compiled by both IEM and Dimension with great care and they disclaim any duty to investigate any products, process, services, designs and the like which may be described in this publication. The appearance of any information in this publication does not necessarily constitute endorsement by IEM and Dimension. There is no guarantee that the information in this publication is free from errors. IEM and Dimension do not necessarily agree with the statement or the opinion expressed in this publication.

COPYRIGHT

JURUTERA Bulletin of IEM is the official magazine of The Institution of Engineers, Malaysia and is published by Dimension Publishing Sdn. Bhd. The Institution and the Publisher retain the copyright over all materials published in the magazine. No part of this magazine may be reproduced and transmitted in any form or stored in any retrieval system of any nature without the prior written permission of IEM and the Publisher.

CONTENTS



COVER NOTE	5
EDITOR'S OUTBOX	6
COVER STORY	8
FEATURE ARTICLES	
Infoworks RS Model as Supporting Tools for Managing Sarawak River Basin	10
Moisture in Power Transformer: How to Manage It?	14
Application of Six Sigma to Reduce Telecommunication Network Failures	20
Most Sustainable Approach to Treated Wastewater Disposal: Passive Evaporation Pond	24
ENGINEERING DIGESTS	28
SAFE TEA TIME	
Cover Me	30
PAPER SERIES ON STRUCTURAL EUROCODES	
Are We Ready For Eurocodes?	32
FORUMS	
Technical Visit to RapidKL Depot, Subang	34
Semenyih Green Bungalow Technical Visit Report	38
Technical Visit to Phoenix Industries Sdn Bhd	41
ENGINEERING AND SOCIETY	
Numismatics as a Hobby	43
ENGINEERS ON THE SPOT	44
GLOBE TREKKING	45
PINK PAGES	
Membership	47
IEM Building Fund/ IEM Diary of Events	48



FUTURE THEMES

March 2011

Trends in Professional Engineering Practice (Submission by January 1, 2011)

April 2011

Young Engineers Section: Crafting Leaders of Tomorrow (Submission by February 1, 2011)

May 2011

IEM AGM and Annual Dinner (Submission by March 1, 2011)

June 2011

Women Engineers (Submission by April 1, 2011)