

FOREWORD

For the benefit of engineering researchers and practitioners, we are publishing the June 2003 Special Issue of the Philippine Engineering Journal as a compilation of abstracts of MS Theses and PhD Dissertations in Chemical Engineering, Civil Engineering, Electrical and Electronics Engineering and Computer Science, prepared by graduate students of the College of Engineering, University of the Philippines Diliman, during the period 1993-2003. In December 1992, the Journal had a similar special issue with the compilation of abstracts of MS theses and PhD dissertations during the period 1981-1992.

It has often been said that some of the research output of the academe, such as graduate engineering research, are not being adequately disseminated among potential users of the newly gained knowledge and information. In most instances, the expertise and knowledge developed by few graduate students remain confined in their persons and do not grow by multiplier effect through an exchange brought about by the media of print and fora. Toward this end, this special issue is providing a medium for reaching more users in the respective engineering fields. Hopefully, they may find in the abstracts the key to the solutions of their own particular problems, whether practical or theoretical in nature.

As necessary aids to researchers, we are furnishing both author and subject indices of the thesis or dissertation titles. Each title is accessioned by a character code which consists of an engineering field identified (3 characters, a year index (4 digits), and a sequence number (2 digits). The accession codes according to fields are as follows:

Code	Field of Engineering	Degree Programs
CHEyyyynn CIVyyyynn	CHEMICAL ENGINEERING CIVIL ENGINEERING (including WATER RESOURCES)	MS & PhD
COMyyyynn EEEyyyynn	COMPUTER SCIENCE ELECTRICAL & ELECTRONICS ENGINEERING	MS MS MS

where yyyy is the year index, ranging from 1993 to 2003
nn is the sequence number of the title within each engineering field, from 01 to 99

The distribution of the titles according to field is given below:

For the period 1993 – 2003 (Part 1)		
Field Code	Number of MS Theses	Number of PhD Dissertations
CHE	16	8
CIV	39 (37 MSCE) (2 MSWR)	-
COM	9	-
EEE	54	-

We hope that with this special issue we would be able to reach and inform potential beneficiaries of research information who are based in the country and abroad. After another a period of years, we hope to publish another similar issue in order to disseminate abstracts of more theses and dissertations, developed especially in the newly instituted MS and PhD programs of the UP College of Engineering, including those under the Engineering Research and Development for Technology (ERDT) program.

The Editor-in-Chief