The International Journal of

ENGINEERING EDUCATION

Editor-in-Chief: Michael Wald

Hamburg Educational Partnership Germany

Contents

M. S. Wald	147	Editorial
	148-152	Engineering Education World
A. S. C. Fernandes engineering policy	153-156	Personal View: Knowledge Deficit in Modern Societies
Z. J. Pudlowski and P. LeP. Darvall	157-163	The UNESCO-Supported International Centre for Engineering Education
engineering education research		
P. A. Rosati and S. Surry	164–170	Female Perspectives of Engineering Education: A Qualitative Assessment
mechanical and manufacturing engineering		
D. M. Love and N. J. Boughton	171-177	Educating Tomorrow's Manufacturing Systems Engineers Today
M. Behnia, G. L. Morrison and K. Taylor	178-185	A Computer-Based Pump Testing Experiment
mechanical engineering/computer aided learning		
K. T. Ooi	186-194	Computer Animation of a Compressor: A Teaching Aid
chemical engineering C. S. Slater	195-200	A Manually Operated Reverse Osmosis Experiment
engineering mathematics J. Schmeelk	201-207	Convolutions, Transforms and Edge Detection in Images
C. Y. Lam	208-214	Method of Characteristics Using an Electronic Spreadsheet
computer aided learning M. S. Wald and B. Soltysiak	215-221	Frame-Oriented Intelligent Tutoring System
engineering case C. O. Smith	222-226	Engineering Case Digest

INDEXED/ABSTRACTED IN: BIOSIS Database, Education Tech. Abst., INSPEC Database, International Civil Engng. Abs., PASCAL—CNRS Database

TEMPUS Publications