Monash Engineering Education Series

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SEMINAR PROCEEDINGS

edited by
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&
Hans Peter Jensen
Opening Addresses

How to teach teachers to teach (and why), H.P. Jensen, Technical University of Denmark, Kgs. Lyngby, Denmark
New approaches to engineering course accreditation, M.L. Brisk† & P.J. Parr†, Monash University, Melbourne, Australia†, Institution of Engineers (Australia), Canberra, Australia‡
The Centre for Engineering Educational Development at the Technical University of Denmark, P. Sørensen, Technical University of Denmark, Kgs. Lyngby, Denmark

Seminar Papers

What should new students know to become good learners?, H.P. Christensen, Technical University of Denmark, Kgs. Lyngby, Denmark
Learning about learning: preparing prospective students for courses in technical education, M.F. Christie, M. Hulten, S. Irandoust & F. Bach, Chalmers University of Technology, Göteborg, Sweden
The quality and selection of candidates to study engineering courses at Higher Education Professional Schools in Poland, S.A. Mitkowski† & Z.J. Pudłowski‡, University of Mining & Metallurgy, Cracow, Poland†, Monash University, Melbourne, Australia‡
Teaching technology in a Food Science and Technology curriculum, J. Risum, Technical University of Denmark, Kgs. Lyngby, Denmark
World Mathematical Year 2000: ideas to improve and update mathematical teaching in engineering education, N. Grünwald & D. Schott, Hochschule Wismar - University of Technology, Business & Design, Wismar, Germany
Towards an information community: educational and social implications of the Internet for the technical university, L. Porebski & A. Porebska, University of Mining & Metallurgy, Cracow, Poland
Current issues in Internet-based distance engineering education, A.M. Ibrahim, DeVry Institute of Technology, Toronto, Canada
Trends in the development of the education at the Technical University of Denmark, H.E. Jensen, Technical University of Denmark, Kgs. Lyngby, Denmark
E-commerce curriculum: is it secure?, J. Yee, S.P. Maj & G. Kohli, Edith Cowan University, Perth, Australia
Computer Based Training (CBT): the application of interactive programs in maritime education and training, R. Cwilewicz†, L. Tomczak‡ & Z.J. Pudłowski‡, Gdynia Maritime Academy, Gdynia, Poland‡, Monash University, Melbourne, Australia‡
The impact of global English on engineering education, M.J. Riemer, Monash University, Melbourne, Australia
Attracting students to the profession of engineering with special attention to female students: a Swedish perspective, C. Niklasson & S. Irandoust, Chalmers University of Technology, Göteborg, Sweden
Bachelor’s knowledge and skills: the employer’s opinion, R.V. Krivickas, Kaunas University of Technology, Kaunas, Lithuania
Ten years of international collaboration in the development of electrical engineering studies, K.V. Maceika, Vilnius Gediminas Technical University, Vilnius, Lithuania
Property management in postgraduate Internet studies in Vilnius Gediminas Technical University, E.K. Zavadskas, A. Kaklauskas, P. Vainiunas & M. Gikys, Vilnius Gediminas Technical University, Vilnius, Lithuania
The greening of engineering curricula: fundamental ideas to be considered, D.Q. Nguyen, Monash University, Melbourne, Australia
Starduster: presenting abstract programming concepts without pain, R. Duley & S.P. Maj, Edith Cowan University, Perth, Australia
A new model for teaching Computer Machine Language to freshmen students, E. İnebolu, Bogazici University, Istanbul, Turkey
Three-dimensional modelling and visualisation of the cochlea, J.D. Zakis & Z.J. Pudłowski, Monash University, Melbourne, Australia
Virtual image processing laboratory for Internet-based distance-learning, P. Mitrė‡ & D. Grigoras‡, Software ITC, Cluj-Napoca, Romania‡, Technical University Iasi, Iasi, Romania‡
The emerging issues for engineering diploma holders: a time to adopt new strategies for diploma courses, A.S. Patil† & Z.J. Pudłowski‡, Walchand College of Engineering, Sangli, India†, Monash University, Melbourne, Australia‡
Towards a knowledge society through the implementation of information technologies, A.V. Valilius & E.K. Zavadskas, Vilnius Gediminas Technical University, Vilnius, Lithuania
Implementing a postgraduate software engineering education programme through Work Based Learning, T. Rafferty‡ & A. Sweeney‡, University of Ulster at Jordanstown, Newtownabbey, Northern Ireland, United Kingdom‡, University of Ulster, Magee College, Londonderry, Northern Ireland, United Kingdom‡
Modern biomedical engineering curriculum design, B.J. Lithgow & J.D. Zakis, Monash University, Melbourne, Australia
Leading by design: an executive level course, A. Olszewski & Z.J. Pudłowski, Monash University, Melbourne, Australia
Development of engineering education at the Latvia University of Agriculture, J.G. Pommers, Latvia University of Agriculture, Jelgava, Latvia

Engineering and technical education in Zimbabwe, Z.B. Dlodlo, National University of Science and Technology, Ascot, Zimbabwe

Fiction's place in engineering education, R.B. Ward, University of New South Wales, Sydney, Australia

Education of engineer-managers and specialists on the development and innovation at the Technical University of Czestochowa: programme concepts and practical experience, I. Durlik & M. Nowicka-Skowron, Technical University of Czestochowa, Czestochowa, Poland

Alternative approaches to financing engineering and technology education, R.M.A. Mariasingam† & Z.J. Pudlowski‡, International Institute of Technology (ININTECH), Bangalore, India†, Monash University, Melbourne, Australia‡

Reconstructing continuing vocational education in Taiwan, R-P. Hu, Department of Technological and Vocational Education, Ministry of Education, Taipei, Taiwan

A study for learning the effectiveness of the Digital Logic Practical Course with a problem-solving teaching strategy at the Vocational Senior High School level, F.S. Chen & H.H. Liao, National Changhua University of Education, Changhua, Taiwan

The study of the performance of learning Chinese keyboarding skills using the adaptive learning system, D.W.S. Tai† & T.A. Tsai‡, National Changhua University of Education, Changhua, Taiwan†, National Taichung Institute of Technology Taichung, Taiwan‡

Study on the effectiveness of different feedback styles of Computer Assisted Learning on the performance of engineering drawing, D.W.S. Tai†, M-C. Chen†, T-A. Tsai‡, L-C. Lai‡, National Changhua University of Education, Changhua, Taiwan†, National Taichung Institute of Technology, Taichung, Taiwan‡