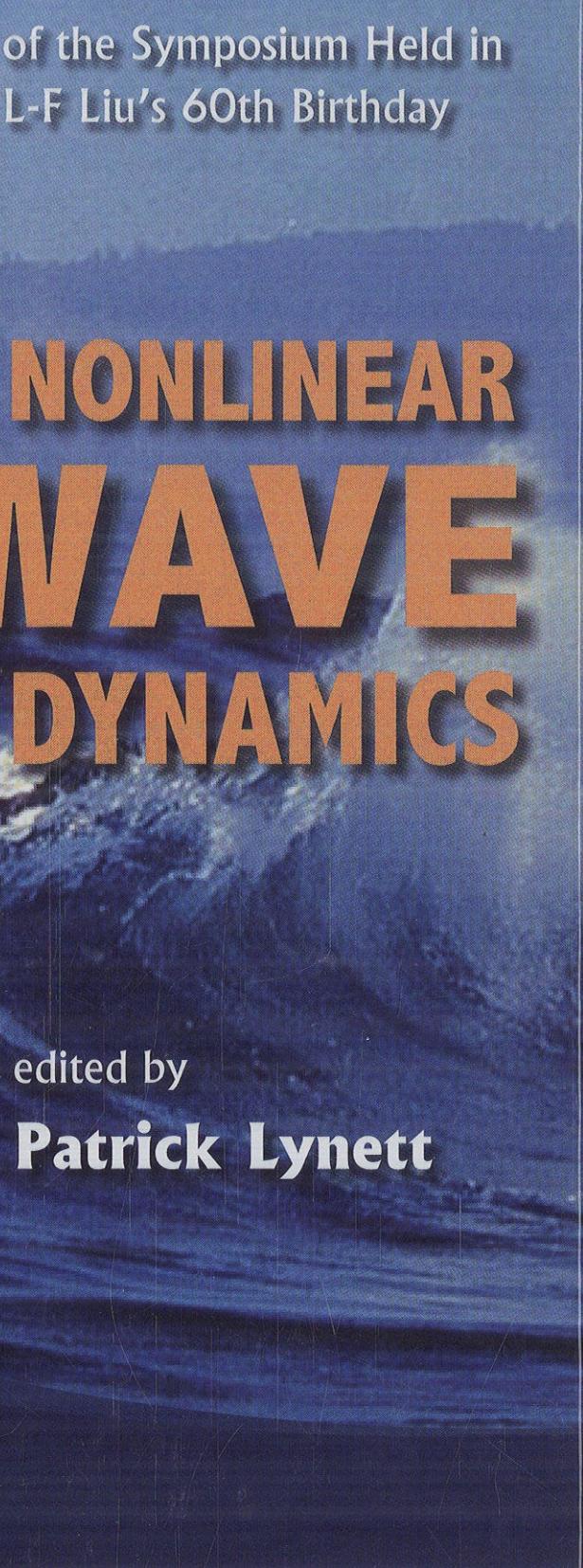
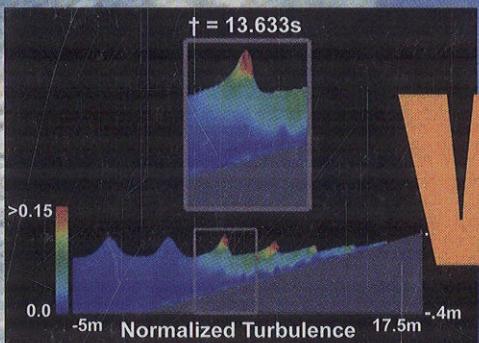
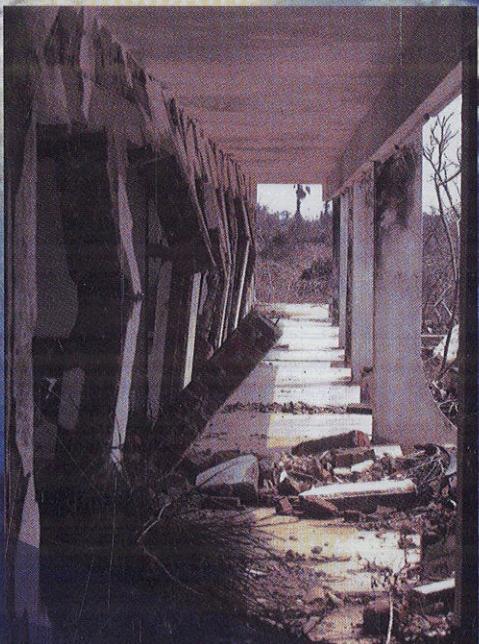


Selected Papers of the Symposium Held in
Honor of Philip L-F Liu's 60th Birthday



NONLINEAR WAVE DYNAMICS



edited by
Patrick Lynett



World Scientific

CONTENTS

Preface	v
Some Reflections on the Generalised Lagrangian Mean <i>M.W. Dingemans</i>	1
Hydraulic Performance of a Submerged Wave Absorber for Coastal Protection <i>H. Oumeraci and G. Koether</i>	31
Efficient Wave and Current Models for Coastal Structures and Sediments <i>N. Kobayashi</i>	67
Towards an Engineering Application of COBRAS (Cornell Breaking Wave and Structures) <i>I.J. Losada, J.L. Lara, R. Guanche and J.M. Gonzalez-Ondina</i>	89
Ocean-Bottom Pressure Variations During the 2003 Tokachi-Oki Earthquake <i>W. Li, H. Yeh, K. Hirata and T. Baba</i>	109
Tsunami Hydrodynamic Modeling: Standards and Guidelines <i>C. Synolakis and U. Kanoğlu</i>	127
Predicting Run-Up of Breaking and Nonbreaking Long Waves by Applying the Cornell COMCOT Model <i>H. Zhou, M.H. Teng, P. Lin, E. Gica and K. Feng</i>	147
Boundary Layer Effects on the Propagation of Weakly Nonlinear Long Waves <i>G. Simarro and A. Orfila</i>	165
Subaqueous Fluid Discharge Estimates from Sediments in Shallow and Deep Water (1 to 1000 m) <i>G.P. Lennon, B. Carson, E. Screamton and M.D. Wetzel</i>	185

A Short Review of Conformal Grid Generation in an Irregular Area <i>J. Wang, T.-K. Tsay and F.-R. Lin</i>	199
Swash Motion Driven by Bichromatic Wave Groups Over Sloping Bottoms <i>S.-C. Hsiao, H.-H. Hwung and Y.-H. Lin</i>	223
Sand Transport Under Nearshore Wave and Current and Its Implication to Sandbar Migration <i>T.-J. Hsu and X. Yu</i>	247
Wave Atlas for the Arabian Gulf <i>K. Rakha, S. Neelamani, K. Al-Banaa and K. Al-Salem</i>	267
Numerical Study on the Three-Dimensional Dam-Break Bore Interacting with a Square Cylinder <i>T.-R. Wu and P.L.-F. Liu</i>	281