

## International Conference on Numerical Mathematics, Singapore 1988

The International Conference on Numerical Mathematics, Singapore, jointly organised by the Department of Mathematics of the National University of Singapore and the Singapore Mathematical Society in conjunction with the Singapore National Academy of Science and sponsored by the Southeast Asian Mathematical Society (SEAMS), was held from 31 May to 4 June 1988 at the National University of Singapore.

The Conference was very well attended by 161 Participants from 30 countries. The Ministry of Education sponsored 19 members from junior colleges and various educational institutes in Singapore.

Financial support came from the following: Lee Kong Chian Centre for Mathematical Research, Bukit Turf Club, UNESCO (support for 20 members of SEAMS), Shell Eastern Petroleum (Pte) Ltd, Singapore Mathematical Society, World Scientific Publishing Company, Singapore National Academy of Science.

The opening lecture was delivered by a 1966 Fields medallist S Smale, who was invited to Singapore as a Third World Academy of Sciences Lecturer. The other invited speakers were U M Ascher, C T H Baker, I Babuska, C Brezinski, R Bulirsch, J C Butcher, M M Chawla, L Collatz, C Elliot (sponsored by The British Council), L Gatteschi, T N L Goodman, D Greenspan, G V Milovanovic, R D Grigorieff, P C Hansen, A Iserles, H Kawarada, R Kress, J P Lambert, S L Lee, R M M Mattheij, G H Meyer, J H Miller, M Mori, D W Niethammer, G M Phillips, L B Rall, R D Russell, P Shivakumar, I H Sloan, H J Stetter, K L Teo, V Thomee, E H Twizell, P J van der Houwen, R Wait, C K Yuen, A Zaretti together with two JSPS visitors H Okamoto and T Yamamoto. Altogether 8 one-hour lectures, 36 half-hour lectures and 38 twenty-minute contributed papers were delivered at the Conference.

The topics covered included numerical solutions of ordinary and partial differential equations, mathematical modelling, discrete mathematics, optimization, extrapolation processes, complexity theory, numerical solution of polynomial and transcendental equations, linear algebra, finite element method, parallel processing, applied mathematics in engineering problems and fluid mechanics. The proceedings of the Conference will be published by Birkhauser Verlag in the ISNM series.