

## PREFACE

Professor Chen Ning Yang is a living legend in physics — undoubtedly one of the greatest physicists of our times. The depth and breadth of his contributions in physics are simply immense and striking. Many fundamental developments and new directions in physics, such as parity violation (1957 Nobel prize), Yang–Mills field theory (basis of the standard model in particle physics), Yang–Baxter equation in the theory of integrable systems, and the applications of differential geometry as well as topology in physics, are attributable to him. At the age of 86, he is still actively engaged in research, publishing original research papers in physics.

Professor Yang is closely associated with universities in Singapore, in particular the Nanyang Technological University (“Nantah”). He first visited Singapore in 1967, subsequently frequenting the country numerous times. He has made significant contributions to the advancement of science in Singapore in various capacities ranging from the scientific advisor to the government to an external examiner for Nantah as well as the National University of Singapore (“NUS”). We were truly proud and honoured to be able to mark the joyous occasion of Prof. Yang’s 85th birthday in Singapore, with many physicists and other well-wishers from all over the world travelling here to join in the celebrations.

This Proceedings record most of all the invited papers and abstracts of papers presented in the parallel sessions.

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*Editors*