POLICY LEVEL WORKSHOP ON TRENDS IN MICROELECTRONICS R&D AND INDUSTRY, DA NANG (VIETNAM), NOVEMBER 20-23, 2001

PARTICIPATING COUNTRIES: 12 (INCLUDING 8 MEMBER COUNTRIES OFTHE CENTRE)

NUMBER OF PARTICIPANTS: >13

In continuation of the Microelectronics workshop organised at AIT Bangkok, Thailand in August 2000 (reported under Item III.27 above), the Centre organized a policy level workshop on Trends in Microelectronics R&D and Industry in Da Nang, Vietnam during November 20-23, 2001 to provide an opportunity for policy makers from member countries to familiarize themselves with the latest trends in Microelectronics R&D and Industry to help in national policy formulation. The Centre accepted the kind offer of the Ministry of Science and Technology, Government of Vietnam to provide local facilities during the course of the workshop.

The workshop was attended by the scientists from Bangladesh (Mr. Mohammed Quamruzzaman of Bangladesh Atomic Energy Commission and Mr. Nazrul Islam of the National Electro-Medical Equipment Maintenance and Training Centre in Dhaka), Egypt (Dr. Hamed A. Elsimary of the Electronics Research Institute in Cairo), India (Dr. Shamim Ahmed, Director, Central Electronics Engineering Research Institute in Pilani), Indonesia (Dr. Irman Idris of the Institute of Technology in Bandung), Mauritius (Dr. Krishnaraj Madhavjee Sunjiv Soyjaudah of the University of Mauritius in Reduit), Nepal (Prof. Dr. Dinesh Kumar Sharma of Tribhuvan University) and Pakistan (Dr. Anwer Jamal Ansari of the National Institute of Electronics) besides those from Thailand and Da Nang University and other places in Vietnam. The resource persons, who also participated in the workshop, were from Belgium, Germany, India, Netherlands, Thailand and Vietnam.

Prof. Phan Quang Xung, President of Da Nang University and Prof. Phien, Dean of SAT, AIT, Bangkok inaugurated the workshop, which was held at Furama Resort. The workshop was spread over 5 Technical Sessions besides the inaugural, round table and closing sessions. The participants presented country status reports from their respective countries.

The first session was chaired by Prof. Dr. Cor Claeys from Belgium and included presentation on 'Towards a Sub-100nm IC Industry: Cooperation is a Must' by Dr. R.G.M. Penning de Vries, Deputy Chief Technology Officer, Phillips Semiconductor, Netherlands and 'Trends and Analysis of Developments in Microelectronics' by Prof. Dr. Helmuth Gesch, University of Applied Sciences, Landshut, Germany. The second session was chaired by Dr. Tran Xuan Hong, Director, Centre for Microelectronics and Information Technology from Vietnam and included presentation on 'Partnership for Increased Competitiveness' by

Prof. Dr. Cor Claeys, Interuniversity Microelectronics Centre, KUL, Belgium and 'Embedded Systems – An Interesting Area of Business with Large Potential for Small and Medium Sized Companies' by Mr. Marqus Waidelich, Department Head of Research and Development, MicroFuzzy GmbH. Dr. Shamim Ahmed, Director of Central Electronics Engineering Research Institute (CEERI), Pilani, India chaired the third session, which had presentation by Dr. Tran Xuan Hong, Director, National Centre for Technology Progress, Centre for Microelectronics and Information Technology, Vietnam. Prof. Dr. Helmuth Gesch of Germany chaired the fourth session, which had the presentations on 'NECTEC's Roadmap in Microelectronics' by Dr. Itti Rittaporn, TMEC Director, National Electronics and Computer Technology Centre (NECTEC), of Thailand, 'Role of Microelectronics Postgraduate Education and Research for the Regional Electronics Field Growth' by Dr. Nitin Afzulpurkar, Microelectronics Programme Coordinator, School of Advanced Technology and Asian Institute of Technology, Bangkok and 'Microelectronics and Smart Sensors' by Dr. Shamim Ahmed, Director, Central Electronics Engineering Research Institute (CEERI), Pilani, India. The final session was chaired by Dr. Marcos Waidelich from Germany and had presentation on 'Future of Electronic Industry in Asia' by Mr. Yuthana Hemungkorn, Managing Director, AMD Thailand. Mr. Hemungkon moderated the round table session where there were open discussions on the topics covered during the workshop. The participants and faculty had discussions on possible cooperation, including for the design and development of a microchip to be called 'NAM Chip', follow-up of which is under consideration of the Centre.