

Distinguished Science Alumni Awards 2006
ANG Miah Boon
BSc 1968, BSc(Hons) 1969
Retired President (Asia Pacific), McAfee, Inc

Mr ANG Miah Boon graduated from the University of Singapore in 1969 with honors in Mathematics.

After graduation, Mr ANG began his career with IBM where he held positions as Chief Information Officer, Chief Financial Officer and Managing Director for IBM's Singapore and Brunei regions. He was also General Manager for IBM Global Services in the ASEAN/ South Asia regions. During his career at IBM, he was an advocate of e-Business transformation and equal opportunity. He was instrumental in creating a number of service offerings that put IBM in the leading edge.

In April 2000, Mr ANG left IBM to join Vignette Corporation as Vice President & General Manager, Asia Pacific region, which had offices in Singapore, Hong Kong and Australia. He was responsible to establish Vignette's presence in countries like India, Japan and China.

In 2001, he joined Network Associates as its President for Asia Pacific. In his role, he was responsible for overseeing the strategic direction and growth of the company's in the Asia Pacific region. When Network Associates was renamed as McAfee, Mr ANG served as the President, Asia Pacific for McAfee. McAfee was a leading supplier of security solutions for both consumer and corporate customers. Mr ANG retired from McAfee in May 2005 and was credited for the growth and transformation of the business operations of McAfee in Asia Pacific.

Mr ANG is a highly regarded figure in the IT industry and has made valuable contributions to the company during his career with IBM, Vignette and McAfee. He is a sought-after speaker on the subject of leadership, business transformation and security. He was a committee member for public institutions such as the National Computer Board, the Singapore Federation of Computer Industries.

"Take risk; Be a change agent; Be passionate with what you do."

Distinguished Science Alumni Awards 2006

CHUA Nam Hai

BSc 1965

Andrew W Mellon Professor

Head, Laboratory of Plant Molecular Biology, Rockefeller University, USA

Professor CHUA Nam Hai holds the position of the Andrew W. Mellon Professor and Head of Laboratory of Plant Molecular Biology at the Rockefeller University, New York City, since 1988. Professor Chua has a distinguished academic career beginning with his BSc in Botany and Biochemistry from the University of Singapore in 1965 and his PhD in Biology from Harvard University in 1969. Professor Chua has held numerous distinguished lectureships world-wide and has won many honors and awards, among them in the year 2001 the award from the Institute for Scientific Information as one of the top 15 most-cited researchers world-wide in plant and animal sciences. Professor CHUA is consultant to and member of advisory boards of many biotechnological and biopharmaceutical companies and institutions in the U.S.A, Singapore, People's Republic of China, India, Canada and Korea. Professor CHUA serves on many editorial boards of distinguished scientific journals, such as the *Journal of Cell Science* and the *Journal of Molecular Biology*. He is also a member of the board of Directors of the Delta and Pine Land Company which is listed on the New York Stock Exchange. Furthermore, he is corporate advisor to Temasek Holdings, Inc. (Singapore).

"There is no short cut to a long experiment"

Distinguished Science Alumni Awards 2006

LAM Chuan Leong

BSc(Hons) 1970

Ambassador-at-large, Ministry of Foreign Affairs

Chairman, Infocomm Development Authority and Competition Commission of Singapore

Mr LAM Chuan Leong has retired from the Singapore Civil Service in 2006. During his career, he has held the appointments of the Permanent Secretary of the Ministry of the Environment, Ministry of National Development, Ministry for Trade and Industry, and the Ministry of Communications and Information. From 1981 to 1984, Mr LAM was the Principal Private Secretary to the Prime Minister of Singapore.

Mr LAM has special expertise, experience and interest in many areas. In particular, his key areas of interest and expertise are macroeconomics, regulation of monopolies, competition policy, pricing and market efficiency, privatization of government services, transport economics, and the structuring of public, private financing initiatives.

Mr LAM graduated from the University of Singapore, with First Class Honours in Physics. He completed his MBA in Harvard Business School. In 1991 Mr LAM was an Eisenhower Fellow, under the USA Eisenhower Fellowship Programme. He was a Singapore President Scholar, and a Fulbright-Hays Scholar.

"Life is a ceaseless activity of making sense of the past to prepare for the future."

Distinguished Science Alumni Awards 2006
LIM Jit Poh
BSc 1963, BSc(Hons) 1964
Chairman/Director, ComfortDelgro Corporation Ltd

Mr LIM Jit Poh is the Chairman of ComfortDelGro Corporation Limited, the world's second largest land transport group. He is also the Chairman of SBS Transit Ltd, VICOM Ltd, Ascott Residence Trust Management Limited and China Aviation Oil (Singapore) Corporation Limited as well as a Director of The Ascott Group Limited, Inchem Holdings International Limited, Kim Eng Holdings Limited and Sky China Petroleum Services Ltd. All these are public companies listed on the Singapore Exchange Securities Trading Limited with business interests in land transportation, finance (stock broking and factoring), hospitality, oil and manufacturing.

In addition, Mr LIM is also a Deputy Director of Surbana Corporation Pte Ltd (formerly known as HDB Corporation Pte Ltd), a Director of NCI Golf Pte Ltd, a company wholly-owned by NTUC Club, which is set up to develop and operate the new public golf course at Marina East and several other companies belonging to the Singapore Labour Foundation like the SLF Leisure Enterprises (Pte) Ltd which owns the Orchid Country Club.

Mr LIM was a former top civil servant and a Fulbright scholar. He was awarded the Public Administration Medal by the Government of Singapore in 1972 and three awards by the National Trades Union Congress, namely, Friend of Labour Award in 1986, Meritorious Service Award in 1990 and Distinguished Service Award in 2000.

While in the civil service, he spearheaded the merger of the Adult Education Board and the Industrial Training Board to form the Vocational and Industrial Training Board, the forerunner to the present Institute of Technical Education (ITE). He served as its first Chief Executive Officer. He also sat on the boards of National University of Singapore, Singapore Polytechnic, Ngee Ann Technical College, the Science Council of Singapore, National Productivity Board, Colombo Plan Staff College for Technician Education, Institute of Education, Skills Development Fund Advisory Council and the National Statistical Commission. He also spearheaded two very successful fund raising projects to honour Emeritus Professor LIM Chong Yah and the late Dr ANG Kok Peng.

Mr LIM was a Council Member of the Singapore Chinese Chamber of Commerce and Industry and a member of the Singapore British Business Council.

Mr LIM also served as a Council Member of the Singapore Sports Council and the Football Association of Singapore.

Presently, he is a trustee of the Singapore National Employers Federation. He also serves as Vice-President of Orchid Country Club and the Board of Management of Pei Chun Public School.

Mr LIM holds a Bachelor of Science (Honours) in Physics from the University of Singapore and a Master of Education from the University of Oregon, USA. Mr Lim was a recipient of the Faculty of Science Outstanding Science Alumni Award for 2005.

"Always remember your roots."

Distinguished Science Alumni Awards 2006
ONG Soon Hock Augustine
BSc 1957, BSc(Hons) 1958, MSc 1959
President, Malaysia Oil Scientists' and Technologies' Association

Tan Sri Datuk Dr Augustine ONG Soon Hock is a graduate of the University of Malaya -- BSc(Hons), MSc -- and University of London King's College -- PhD in Organic Chemistry. He has had extensive experience in teaching, research and administration at University level. He was serving as Dean, School of Chemical Sciences and University Science Malaysia before joining the private sector where he was the former Director-General of the Palm Oil Research Institute of Malaysia (PORIM) from 1987 to 1989 and former Director in Science and Technology, Malaysian Palm Oil Promotion Council (MPOPC) from 1990 to 1996. He is recognized both nationally and internationally in the field of lipid Chemistry being elected as the Chairman, International Society for Fat Research (ISF) in 1997 and the President, Malaysian Oil Scientists' and Technologists' Association, Senior Fellow of the Academy of Sciences, Malaysia, Fellow of the Royal Society of Chemistry London, and Fellow of the Third World Academy of Sciences. He has acquired extensive networking in the oils and fats industry as well as in the academic world both locally and overseas. He was the Fulbright-Hays Fellow at the Massachusetts Institute of Technology (MIT) 1966 to 1967. He spent a sabbatical year in the University of Oxford as the Visiting Professor at the Dyson Perrins Laboratory, 1976 to 1977.

He has been active in Research and Development for more than 45 years since 1959 and this experience includes the Chemistry and Technology of Palm Oil in which he had more than 25 years' involvement since 1974. He has 14 patents in the technology of palm oil to his credit and published more than 380 articles. He was the Founder Editor-in-Chief of *Elaeis-International Journal of Oil Palm Research and Development* and is still a member of the Editorial Board. He played a significant role in the programme to counter the Anti-Palm Oil Campaign from 1987 to 1989 which came to a favourable conclusion in 1989. He has been invited to serve as a member of Research Advisory Panels on Cocoa, Forestry, Rubber and Petroleum as well as a member, International Advisory Council, University Tunku Abdul Rahman. He is Founder President of the Malaysian Invention and Design Society (MINDS) since 1986. He is also President of the Confederation of Scientific and Technology Associations in Malaysia (COSTAM) and Malaysian Oil Scientists and Technologists' Association (MOSTA). He serves on the Board of several corporate organizations including University of Malaya, Malaysian-American Commission on Educational Exchange (MACEE), Country Heights Holdings Berhad. He had served as Director, HSBC (Malaysia) since its incorporation till 2004.

"Seeking for scientific truths is fascinating and this could be a magnificent obsession."

Distinguished Science Alumni Awards 2006

TAN Eng Liang, PJN

BSc 1960, BSc(Hons) 1961

Dr Tan Eng Liang was the first local Rhodes scholar, earning his doctorate from Oxford University.

Dr Tan held a meritorious career in the civil service. He was a Member of Parliament of Singapore from 1972 to 1980, during which he served as the Senior Minister of State (National Development) from 1975 to 1978 and Senior Minister of State (Finance) from 1979 to 1980. Other key positions held included the Chairman of Urban Redevelopment Authority, Singapore Quality and Reliability Association and Singapore Sports Council. In particular, he has made pioneering contributions in developing sports in Singapore. He took charge of Singapore Sports Council for 16 years from 1975 to 1991 and still contributes as the Vice President of the Singapore National Olympic Council and Chairman of its Special Training and Assistance Committee.

He sits on the Boards of many companies, including public listed companies, namely, Hartawan Holding Limited, HG Metal Manufacturing Limited, Progen Holdings Ltd, Sapphire Corporation Limited, Sunmoon Food Company Limited, Tung Lok Restaurants (2000) Ltd and UE E&C Ltd .

He has been awarded the Public Service Star (BBM), Public Service Star (BBM -BAR) and Meritorious Service Medal by the Singapore Government as a recognition for his services to the country. In 1995, the IOC Olympic Movement Unity Trophy was presented to Dr Tan for his invaluable services to Olympism.

Dr Tan is also a recipient of the Faculty of Science Outstanding Science Alumni Award in 2005.

Distinguished Science Alumni Awards 2006
TAN KIOK K'NG, PPA
BPharm 1963, BPharm 1964
Longest Serving Chief Pharmacist (1976-1995)
Retired Chief Pharmacist

Mr TAN Kiok K'ng joined the Government Pharmaceutical Service as a pharmacist in 1966. In 1976 he was promoted to the post of Director (Pharmaceutical Department) / Chief Pharmacist Ministry of Health.

His principal duties and responsibilities as Director (Pharm. Dept) / Chief Pharmacist were overall management of the Government Pharmaceutical Service & President of the Pharmacy Board, Singapore. In the 70s and 80s, the then Pharmaceutical Department's roles were ensuring adequate supplies of medicaments and surgical requisites for the Government Health Services through central procurement, self-manufacturing of pharmaceutical preparations and distribution. The Department also enforced the Sales of Drugs Act & the Poisons Act to safeguard public health. It also administered the Pharmacist Registration Act (formerly the Pharmacist Registration Ordinance) by maintaining a register of pharmacists and ensuring high standards of professional pharmacy practices.

In 1968, Mr TAN was awarded a British Commonwealth Medical Scholarship to read a Masters degree in Pharmaceutical Technology in UK and he obtained an MSc from the University of London in 1969. In the 1981 National Day Awards, Mr Tan was awarded the Public Administration Medal (Bronze) for his contributions to Singapore in the area of pharmacy.

Mr TAN retired from the Government Pharmaceutical Service in October 1995, on reaching the age of 60, making him the longest serving Chief Pharmacist to date.

After his retirement, Mr TAN joined the World Health Organisation (WHO) as a short-term consultant. During this time, he was involved in helping several island nations in the Western Pacific and some countries in ASEAN to strengthen their national pharmaceutical administration and pharmacy practices. He also played a key role in the role development and strengthening of the ASEAN Technical Co-operation in Pharmaceuticals both while working in the Government as well as after retirement. Some of his recent work contributions include the preparation of the report of the 18th ASEAN Pharmaceutical Working Group Meeting, which was held in Hanoi from 30th October to 1st November 2000; and the report of the Inter-Regional Workshop on Intellectual Property Rights in the context of Traditional Medicine, which was held in Bangkok, Thailand, from 6th to 8th December 2000.

"Serve with dedication and provide for the betterment of All."

Outstanding Science Alumni Awards 2006

CHUA Thia Eng

BSc 1964, PhD

Regional Programme Director, Partnerships in Environmental Management for the Seas of East Asia (PEMSEA), International Maritime Organization

CHUA Thia Eng earned his doctorate degree in Zoology at the University of Singapore. Although he was originally a trained marine biologist, his dynamic personality enabled him to expand his expertise to include marine pollution and coastal and marine area management. He has had extensive professional experiences in research, management, training and education, policy development and administration. He has authored more than 200 articles and reports relating to the above subjects.

He has spent 35 years of his active life in East Asia serving in various capacities in international and UN organizations. He was director of ICLARM's Coastal Area Management Program (1989-1992), Coordinator of ASEAN/US Integrated Coastal Resources Management Project (1986-1992); FAO Senior Aquaculturist in charge of the Philippine Lead Centre of the Network of Aquaculture Centers in Asia (NACA) (1980-1985). In 1993 he became the Director of ICLARM's National Research Support Program where he was responsible for planning and implementing international, regional and national programs to strengthen national institutional capacity in fisheries and aquaculture research. In 1994, he was appointed by the International Maritime Organization (IMO) as Regional Programme Manager to execute the GEF/UNDP Regional Programme for the Prevention and Management of Marine Pollution in the East Asian Seas and subsequently Regional Programme Director for the Regional Programme on Building Partnerships in Environmental Management for the Seas of East Asia (PEMSEA).

He also has had extensive working experience especially in fisheries and environmental issues affecting the Asia-Pacific region, Africa and Latin America. He founded the Malaysian Society of Marine Sciences and was elected as its first President. He also served as the Founding President of the Asian Fisheries Society (1984-1992). He was elected as the first honorary member of the Malaysian Fisheries Society and in 1998 as honorary member of the Asian Fisheries Society. He has served as Chairman of the Advisory Council of the First World Fisheries Congress in 1989. He was a Board Director of the International Center for Coastal and Ocean Policy Studies (ICCOPS), former member of the Joint Group of Experts on the Scientific Aspects of Marine Pollution (GESAMP) and former Scientific Advisor of the International Foundation for Science (IFS). He is currently serving as one of the members of the Advisory Board of the Ocean Policy Research Foundation of Japan (formerly Institute for Ocean Policy of the Ship and Ocean Foundation) as well as member of the Steering Committee of the Global Forum on Oceans, Coasts and Islands. He is also a member of the Regional Advisory Panel for UNDP Capacity2015.

He also served as member of advisory committees/panels of a number of international and donor agencies including Swedish Agency for Research Cooperation with Developing Countries (SAREC), Commission of the European Communities (CEC), United Nations Development Programme (UNDP) and Food and Agriculture Organization (FAO) of the United Nations. He had also been serving as consultant to UNDP, World Bank, IDRC, USAID and oil companies.

His professional background in training and education includes work as faculty member of the University of Singapore (1967-1972), Universiti Sains Malaysia (1972-1980), visiting

professor of the University of the Philippines in the Visayas (1980-1985) and adjunct professor, Xiamen University (1985-2005). He served as external examiner for the postgraduate programs of the Faculty of Fisheries and Marine Science, University of Agriculture, Malaysia; Department of Zoology, University of Colombo; as well as for a number of masteral and doctorate theses from various universities in the Asia-Pacific region and the US.

He is the Associate Editor of the *Journal of Ocean and Coastal Management*; and Executive Editor of *Tropical Coasts*.

He received a number of awards, which include the prestigious Friendship Award for Foreign Experts given by the State Council of the Peoples Republic of China (1994), the First Gold Medal Award (1995) and the Honorary Member Award (2001) by the Asian Fisheries Society and the Sahak Metrey Medal conferred by the Royal Government of Cambodia (March 2002).

"Two step forward, one step back."

Outstanding Science Alumni Awards 2006
HAN Cheng Fong
BSc(Hons) 1966
Group Chief Executive Officer, Fraser and Neave

Graduating from the University of Singapore with physics honours in 1966, HAN Cheng Fong obtained his PhD from the University of Birmingham. Joining the Civil Service on his return he contributed significantly in many areas rising to the post of Permanent Secretary. He then continued his contribution to society in the private sector.

Currently, Dr HAN is Group Chief Executive Officer of Fraser and Neave, appointed in February 2006. He was made the Group's Managing Director in April 2002 and Deputy CEO in October 2004. He joined the Group in May 2001 as Deputy Chairman of Frasers Centrepoint Limited, a position that he still holds. Dr HAN currently holds directorship positions in Asia Pacific Breweries Limited, Frasers Centrepoint Limited, Fraser & Neave Holdings Berhad, Asia Pacific Investment Pte Ltd, Times Publishing Limited and D.B. Breweries Ltd. He is also the Chairman of Frasers Property (China) Limited.

Up to 11 January 2004, he was the Deputy Chairman of the Board of Trustees of Singapore Management University. Until April 2000, he held directorships in companies related to DBS Land Limited, including Deputy Chairman and Group Chief Executive Officer of DBS Land Limited, Chairman of Raffles Hotel (1886) Ltd, Raffles City Pte Ltd, R.C. Hotels Pte Ltd and Ascott Ltd and was Deputy Chairman of Raffles Holdings Ltd and Parkway Holdings Ltd. Dr HAN also held previous regional business appointments as Chairman of Australand Holdings Ltd and Deputy Chairman of United Malayan Land Bhd.

Outstanding Science Alumni Awards 2006
KWAN Yew Huat
BSc(Pharm) 1982
Managing Director, Pharmaforte Singapore Pte Ltd

Graduating in 1982, KWAN Yew Huat started in Guardian Pharmacy as her first pupil pharmacist.

He has also worked in Astra Pharmaceuticals and Inchcape Healthcare.

In 1995, he started his own company, Pharmaforte Singapore, with the vision to be the most efficient and diversified Pharmaceutical Distributor in Singapore. Today, Pharmaforte is one of the leading local companies handling dental, pharmaceuticals, medical and diagnostic products.

He served actively in the Pharmaceutical Society of Singapore in the 80s and 90s, as a council member for seven years and also as Assistant Treasurer and Assistant Honorary Secretary. In 1993, he was elected Vice-President of the Society.

In 1993, he was appointed a member of the Inquiry Panel under the Legal Professional Act, hearing complaints against lawyers for professional misconduct. He is still an active member of the Inquiry Panel after 13 years.

Today as Managing Director of Pharmaforte Singapore, he shares, "Pharmacy Education has changed my life. Running your own company is hard work! However, it is very challenging and stimulating. It requires patience, determination, perseverance and a little dose of luck. It also requires one to take calculated risks. The reward for entrepreneurs will be great. The sky is the limit and you will derive immense satisfaction by doing things your own way."

"Doing it your own way ... The sky is the limit."

Outstanding Science Alumni Awards 2006

KWOK Kain Sze

BSc 1967, BSc(Hons) 1968

Chief Scientific Officer (Food & Beverage), Fraser & Neave Ltd

KWOK Kain Sze graduated from the University of Singapore with an honours degree in 1968. He obtained a PhD degree in 1972 from Cornell University, USA, and has over ten published papers.

Dr KWOK joined the Fraser & Neave Group of Companies in 1981 and is currently the Chief Scientific Officer (Food & Beverage). He started his career with Fraser & Neave (S) Pte Ltd as Chief Chemist and was appointed as Research & Development Manager in 1982. In 1990, he was promoted to General Manager, Operations & Research. During the period 1992 to 1996, he was appointed Vice-President & Technical Director of F&N Coca-Cola (S) Pte Ltd and held directorship positions in subsidiary companies in Vietnam, Cambodia, Sri Lanka and Nepal. Dr KWOK returned to F&N Corporate in 1997 to become General Manager, Manufacturing and R&D of the Dairies Division before taking up the positions of Director - Corp R&D and General Manager (Strategic Procurement) which cover both the dairies and soft drinks business activities of Fraser & Neave.

Over the years, the new products developed by Dr KWOK's technical team are marketed under the brands F&N, 100Plus, Seasons, Magnolia, Meadow Gold and Daisy, all of which are well-known household names in the region.

Dr KWOK was elected a fellow of Singapore National Institute of Chemistry in 1995. He has served as a member in various government and institutional bodies such as the Scientific Advisory Committee of Department of Scientific Services, Ministry of Health, the Consultative Committee of Faculty of Science Biological Sciences, National University of Singapore, and the Board of Management of the Institute of Science & Forensic Medicine. He was also a member of the Expert Committee on Food & Agro technology in the Ministry of Trade & Industry and the Advisory Committee for the Institute of Molecular & Cell Biology.

Dr KWOK is a member of the board of directors of the following companies: Interflavine Pte Ltd, Myanmar Brewery Ltd, F&N Vietnam Foods Co Ltd, F&N Coca-Cola Beverages Sdn Bhd, F&N Boncafe Beverages Pte Ltd, F&N United Ltd, F&N Foods Pte Ltd, F&N-DCH Holdings Pte Ltd and Red Lion Holdings Pty Ltd. He is also Deputy Chairman of China Dairy Group Ltd, a company listed on the Singapore Stock Exchange.

Dr KWOK was married to the late Dr WONG Sau Fong and has three daughters.

"Getting a good mentor is the best thing that can happen to a person's life. Conversely, it is also most satisfying to be accepted as a mentor by others. A good mentor is both 'teacher', guardian and, most importantly, a life-long friend."

Outstanding Science Alumni Awards 2006

LIM Ho Hup

BSc 1952

Past President of NUSS Graduate Society

Audit committee of Nam Lee Pressed Metal Industries Limited

Treasurer of Pacific Economic Cooperation Council Former Director, EDB

Treasurer of Cepat Investment & Management Pte Ltd

Taking an active role in graduate student activities marked the beginning of LIM Ho Hup's long involvement in tertiary education, and thence to Singapore's early development from a trading post towards an industrialized economy.

Mr LIM had joined the University of Malaya in 1949 the year of its foundation in Singapore. Then, the character of university life was markedly different from today: his cohort (in the Science Faculty) then numbered about 100. For most of them, it often took an extra year to finish their first degree, because students came from all over the then Federation of Malaya. Not all schools had laboratory facilities for training their science students. Only two of that cohort completed their first degree by 1952 and Mr LIM was one of the two.

Graduate participation in university affairs was given extra frisson then with the existence of the Guild of Graduates, a statutory body to which the vice chancellor of the university would present his yearly progress report, and significantly, answer any questions put to him.

Mr Lim recalled an event that happened in 1954 when he was doing his masters degree:

"The then vice-chancellor, a well-established member of the British colonial establishment, said that the graduates did not care much for their *alma mater*. This remark was greatly resented by the graduates, who included myself, and led to the requisitioning of a special meeting which finally passed a resolution to formally censure the acting vice-chancellor for making of that remark."

With the Guild constituted as it was, the graduates had more clout in these matters. This meant greater cohesion and a sense of greater responsibility towards the running of the University. Even so, such action -- taking on the colonial administration even in a peripheral sort of way -- was remarkable for those times. We should recall that this was before the Suez Crisis of 1956, the event historians agree that made Britain finally decide that the Empire would have to end sooner or later. For many, it had seemed that the British would be here for ever and discretion might well be the better part of valour.

Mr Lim commented:

"Some of us believe that this went a long way towards making the graduates a more integral part of university life. Leading the action then were Dr Sreenivasen and Yong Nyuk Lin. These are unusual events before the 1966 Suez crisis, when it had seemed to most of us that the British colonialists were here to stay for long, long time."

Later, Dr Sreenivasen became the vice-chancellor, and Mr Yong became Minister for Education in the self-governing (and later independent) Singapore.

Mr LIM's further involvement in education followed later -- first as the secretary and then as the president of the University of Malaya Society, in 1958. He later also became a member of the university council as the nominee of the Guild of Graduates at the age of 29. By 1975 Mr LIM had served at the council level at all the key tertiary institutions in Singapore, namely, University of Malaya (University of Singapore/NUS), Nanyang University, Singapore Polytechnic, and the Ngee Ann College (later the Ngee Ann Technical College, the antecedent of the Ngee Ann Polytechnic).

During the transformation of Nanyang University to the now NTU, there was difficulty in finding a suitable vice-chancellor after Dr LEE Chiaw Meng had resigned as Minister and vice-chancellor. A committee of four was appointed to perform the statutory functions of the vice-chancellor, which included Mr LIM.

In parallel, Mr LIM also in those years played a key role in Singapore's development in his years as Director at the Economic Development Board in the 1960s, and later as the Director of the Technical Education Department at the Ministry of Education.

Speaking of his involvement then: "In 1961, the EDB was formed, with its main task to convert Singapore from an essentially trading economy to an industrial one. We had to transform the whole government system. In a trading economy, the government's function is regulatory. In an industrializing economy, the emphasis is developmental. We cannot wait for things to happen. Our task is to promote change and take action. A lot of innovations were necessary."

The EDB was in charge of developing the industrial estates like Jurong etc. It also promoted the development of industry-oriented research institutes, and provided industrial financing which commercial banks were not able to do. It spawned DBS and the JTC and started a whole gamut of skills-training programs. The Industrial Research Unit (IRU) evolved into SISIR. There were also several other innovations such as the promotion of the Institute of Management which was started with a subsidy from the EDB. After EDB, Mr LIM went into the private sector, and started the first petrochemical plant in Singapore in the 1970s. In the early 80s, he also became the first president of the ASEAN Finance Corporation, which was set up by the banks in ASEAN countries to promote cross border investments.

"We cannot wait for things to happen. Our task is to promote change and take action."

Outstanding Science Alumni Awards 2006

LOH Wei Yin

BSc 1973, BSc(Hons) 1974, MSc 1975

Professor of Statistics, University of Wisconsin-Madison, USA

LOH Wei Yin graduated from the University of Singapore with a BSc(Hons) in 1974 and an MSc in 1975, and continued to study for a PhD at the University of California, Berkeley. After obtaining his PhD in 1982, he became an assistant professor in the Department of Statistics of the University of Wisconsin-Madison. He was promoted to full professor in 1990, in a short span of 8 years.

He has made significant and lasting impact in statistics. He has written 60 papers on areas ranging from statistical theory for interval estimation and hypothesis testing to machine learning algorithms for classification and nonparametric regression. His work on statistical theory which deals with fundamental issues in Efron's bootstrap method, D.R. Cox's test of separate families, and Pearson's chi-squared test of independence in a contingency table has been widely cited. He has also developed or co-developed four computer algorithms for classification and regression, which are widely used by people within and outside academia.

He has also taken an active interest in applied research. He is currently participating in two large collaborative projects: (i) a five-year clinical trial on smoking cessation in Wisconsin, a project funded by the US National Institutes of Health which involves numerous medical scientists and psychologists from several US universities, and (ii) a study of the air and sea weather patterns over the Earth's oceans in the last fifty years, a joint project with the geoscientists at a US Naval Research laboratory.

Professor Loh has served on the editorial boards of several international journals. In particular, he was an associate editor of the *Annals of Statistics* in 1989-91, editorial board member of *Communications in Statistics* in 1988-91, editorial committee member of the *Proceedings of the American Mathematical Society* in 1992-99, associate editor of *Statistica Sinica* in 1991-2002, editorial committee member of the *Journal of Machine Learning Research* since 2001, and associate editor of the *ACM Transactions on Knowledge Discovery in Data* since 2006.

In recognition of his academic achievements, he was elected Fellow of the Institute of Mathematical Statistics in 1991 and Fellow of the American Statistical Association in 1998. Professor Loh is well known for his excellence in teaching and for being a caring teacher. To date, he has graduated 23 PhD students, many of whom work in industry and others in universities. He was awarded the Benjamin Smith Reynolds Award for Excellence in Teaching in 1999, an annual award presented by the College of Engineering of the University of Wisconsin-Madison to the faculty member who contributes most to the instruction of engineering students.

In other services to the scientific community, he was a member of the Board of Directors of the International Chinese Statistical Association in 1993-96 and a member of the Committee on Nominations of the Institute of Mathematical Statistics in 1995. He has also served on the review panel of the Research Council of Norway in 2005-09 and of the National Science Foundation since 2004.

Outstanding Science Alumni Awards 2006

NG Kok Lip

BSc 1963, BSc(Hons) 1964

Managing Director, National Kap Ltd

Managing Director, Beng Kim Holdings Pte Ltd

Director, Hotel Royal Ltd

NG Kok Lip obtained his BSc(Hons) from the University of Singapore in 1964 and his MSc in statistics from the University of California at Berkeley in 1966. He worked as a statistician in the Ministry of Finance from 1966 to 1967 and as a lecturer in the Department of Mathematics of the University of Singapore from 1967 to 1969.

He is an entrepreneur and one of the early pioneers in Singapore's industrial development in the 60s. He left academia in 1969 to set up the company National Kap Pte Ltd which manufactured capacitors. In the subsequent years, National Kap, which grew to about 1,000 employees, became very successful and was listed in the Singapore Stock Exchange in 1989. He was Managing Director of the company from the beginning until 2000 when he sold it to a group of businessmen.

Since 1986, he has been the Managing Director of Beng Kim Holdings, a holding company with several subsidiaries of which he is also a director. In addition, he is also a director of Hotel Royal.

Mr NG is a respected member of the business community in Singapore. His success as an entrepreneur is demonstrated by the important and influential positions that he has held in the community. Since 1989, he has been a council member of the Singapore Chinese Chamber of Commerce and Industry (SCCCI). Currently, he also chairs the Education Committee of SCCCI. Since 2004, he has been a council member of the ASEAN Chamber of Commerce and Industry as well as vice chairman of the Singapore National Shippers Council.

Mr NG has also made significant and long lasting contributions to education in Singapore. He has served as a member of the Science Centre Board (1972-1995), Vocational & Industrial Training Board (1989-1992) (precursor of Institute of Technical Education), NUS Physical Sciences Consultative Committee (1987-1998) and NIE School of Science Advisory Committee (1992-2000). Currently, he is the chairman of the Temasek Junior College Advisory Committee and a member of the Management Board of the NUS Institute for Mathematical Sciences.

In other areas, Mr NG was a member of the National Wages Council in 1989-1996 and Patron of the Yio Chu Kang Citizens' Consultative Committee in 1993-2004. In recognition of his distinguished service to Singapore, he was awarded the Public Service Medal (PBM) in 1994.

Outstanding Science Alumni Awards 2006

Eric SANDOSHAM

BSc 1994, BSc(Hons) 1995, MSc 2002

Director (Vice-President), Decision Management, Citibank Singapore Ltd

Eric SANDOSHAM is an alumnus of National University of Singapore who graduated first with an Honours degree in Mathematics and later a Masters degree in Statistics.

Mr SANDOSHAM joined Citibank (was Citibank, N.A. before and became Citibank Singapore Ltd in January 2005) in 1995 and is currently the Director (Vice-President) of Decision Management. He was recruited into the Consumer Bank as a Management Associate and started with responsibilities for marketing of Citibank's branch banking franchise, in particular, CitiGold Priority Banking and Personal Banking. He was in charge of the launch of a highly successful Member-Get-Member program for CitiGold and the development of relationship pricing methodologies.

In 1998, he moved to Business Planning & Analysis as a Business Analyst, and within his 4-years tenure there, rose to the rank of Assistant Vice-President. During this period, he was a member of a regional task force developing a business proposition for Affluent customer segment. Other notable achievements include the development of Customer Profitability methodologies through the Financial Datawarehouse, and the aggressive use of sales incentive compensation modeling as well as datamining to enhance sales and marketing performance.

During the period 2002 to 2003, he was the Senior Financial Analyst (Vice-President) with Financial Control. He was the Head of the financial analyst team overseeing the Sales & Distribution, and Unsecured Assets (Cards and Overdraft) divisions. His portfolio included financial modeling, forecasting and budgeting, expense and variance analyses, management reporting and accounting advisory.

In January 2004, he was appointed the Director (Vice President) of Decision Management and is currently the Head of 25-men team providing business and decision analytics for all sales and marketing entities in the Consumer Bank. Over the years, he has successfully embedded statistical modeling and decision science techniques as an optimization tool for managing business. He has built a best-in-class team of decision analysts in a leading member of the Singapore financial industry.

"The only dream worth having is to live while you are alive and to die when you are dead." -- Arundhati Roy

Outstanding Science Alumni Awards 2006

TAN-GOH Ek Ek Irene

BSc 1970

**Deputy Manager, Quality Assurance of the Group R&D Department in Prima Ltd
President, Singapore Institute of Food Science and Technology (February 2003 -- May 2006)**

Mrs Irene TAN has extensive knowledge in the quality control and assurance in food beverages and dairy products and provided quality control and technical support to other plants overseas.

Starting as an assistant chemist in Lam Soon Cannery Ltd in 1970, she moved on to work as Quality Control Manager in Wander Singapore Pte Ltd in 1971, where she took charge of the setup of the QC system in the Singapore branch and thereafter represented Switzerland headquarters and several foreign branches in QC system and training. In her subsequent cross to Asia Dairies Pte Ltd (F&N Foods) in 1991, she centralized dairy operations and built an effective system to perform tests to meet local and legal regulatory standards. She had a short stint in the academic line between 1997 and 2001, as a lecturer in Temasek Polytechnic where she shared her experiences in the field of QC / QA and management systems to the students.

She is Deputy Manager, Quality Assurance of the Group R&D Department in Prima Limited, the only flourmill in Singapore. She is in charge of the quality control and assurance of all the products, ranging from wheat, flour, bread, buns, pastries, premixes and even retorted pouches of shelf stable paste for the local and overseas markets.

She currently also oversees the Management System ISO 9001:2000 & Hazard Analysis and Critical Control Point (HACCP) for Prima Limited and her subsidiaries.

Mrs TAN serves as President of the Singapore Institute of Food Science and Technology (SIFST) for 4 terms from 2002 to 2006. Her other professional membership include the Singapore Professional Centre (Member / Alternate Member of Board of Trustees 2005 / 2006).

"Success is a journey, not a destination."

Outstanding Science Alumni Awards 2006

TAN Hui Boon

BSc(Hons) 1963

Senior Vice-President, Singapore Airlines

TAN Hui Boon graduated from the University of Singapore with a Bachelor of Science (Honours) in Chemistry. He had his secondary education at Raffles Institution.

After graduation he joined the Industrial Research Unit under the Economic Development Board as a chemist for over three years. He then received a Commonwealth Scholarship to pursue further studies in UK. He obtained a Postgraduate Diploma in Chemical Engineering and a Masters of Science (BioChemical Engineering) with Distinction from University College, London University. He returned to the Singapore Institute of Standards and Research as an Assistant Director.

In 1971, he obtained his professional membership of the Institution of Chemical Engineers, UK. In 1974, after completing his bond, he joined the Singapore Airport Terminal Services (SATS), a fully owned subsidiary of Singapore Airlines as the Administrative Manager and rose to the rank of Divisional Manager in SATS Cargo in 1978 and General Manager of Administration in 1980. By 1984, he was appointed the Chief Executive Officer of SATS Catering Pte Ltd. His illustrious career continued as he undertook the position of Director of Finance at Singapore Airlines Ltd (SIA) from 1989 to 1994, the first science graduate to do so. In 1994, he was appointed the Chief Executive of SATS Airport Services. In 1998, he returned to SIA as the Senior Vice President (Special Projects) involved in strategic investments, an appointment he held until he retired in 2000.

In his 27 years at SIA, he attended management programme at Sloan, MIT, and Harvard and the finance programme at IMD in Switzerland.

During his career in the SIA Group, he served on the Board for a number of companies including Asia Airfreight Company in Hong Kong, Beijing Aviation Ground Services in Beijing, Raffles City and R.C. Hotels in Singapore. After his retirement he also served on the Boards of Changi International Airport Services and China Aviation Oil until recently.

"After spending two thirds of my career in management, I strongly believe that the discipline in Science provided me with grounding and equipped me for my work in corporate management and finance."

Outstanding Science Alumni Awards 2006

TAN Sok Pin Rosemary

PhD 2001

CEO, Veredus Laboratories Pte Ltd

CEO, Genecet Biotechnologies Pte Ltd

TAN Sok Pin Rosemary received her BSc degree from the University of Calgary, Canada. She was then awarded an EDB - Ishihara Sangyo Kaisha scholarship; and she studied cancer biology and infectious diseases at the Institute of Cell and Molecular Biology, Osaka University and the Department of Immunology at the Medical School in University of Tokyo, Japan.

She obtained her PhD degree from the NUS and has published widely in immunology and on the genetic basis of cancer and diseases. She was a recipient of the Naito Science Award.

In 1999, she was nominated for the NUH-National Medical Research Council Young Scientist Award for her study of infectious diseases. In 2003 she was awarded the Spirit of Enterprise Award for her work in Genecet Biotechnologies, a company she founded, dealing in educational kits.

Dr TAN moved on to form Veredus Laboratories, a medical diagnostics research company engaged in assays for tropical infectious diseases.

She has more than ten years of experience in the life sciences including one year at the National Cancer Centre. Dr TAN currently serves on the Biotechnology Advisory Committee for Ngee Ann Polytechnic.

"An optimist sees the opportunity in every difficulty. And if opportunity doesn't knock, build a door."

Outstanding Science Alumni Awards 2006

TAN Tiong Gie Bernard

BSc 1964, BSc(Hons) 1965

Professor of Physics, NUS

Born in Singapore in 1943, TAN Tiong Gie Bernard was educated at the Anglo-Chinese School, Singapore, the University of Singapore (Bachelor of Science with Honours in Physics, 1965) and Oxford University (Doctor of Philosophy in Engineering Science, 1968). He is a Chartered Engineer and Member of the Institution of Electrical Engineers (U.K.), Fellow of the Institute of Physics (U.K.), Fellow of the Institute of Physics, Singapore, and Fellow of Trinity College of Music, London.

He joined the then University of Singapore (now NUS, the National University of Singapore) in 1968 as a Lecturer in Physics and served as Dean of Science of NUS from 1985 to 1997 and Dean of Students from 1997 to 2002. He is currently a Professor of Physics at NUS, where he is also Director of the Centre for Maritime Studies and Chairman of the Centre for Remote Imaging, Sensing and Processing (CRISP) and the Singapore Synchrotron Light Source (SSLS).

He is Chairman of Keppel Credit Union and Cadi Scientific Pte Ltd and sits on the boards of Keppel Telecommunications and Transportation Ltd, the Singapore Symphonia Company Ltd and NUS Technology Holdings Ltd. He is also Chairman of the National Internet Advisory Committee, the National Advisory Committee for Laboratory Animal Research, the Arts Consultative Panel of the Media Development Authority and the Advisory Committee on Nuclear Science and Technology of the National Environment Agency. He is also Chairman of the Audio Engineering Society, Singapore Section.

His current research interests are in microwave solid-state properties and devices, digital musical analysis and synthesis, and directional perception of multiple sound sources. He has published 90 papers in international peer-reviewed journals.

He has been awarded the Public Administration Medal (Silver), the Public Service Medal, the Public Service Star, the Public Service Star (Bar) and the Institute of Physics Singapore President's Medal.

"It is an honour to serve Singapore as a member of the Scientific Community."

Outstanding Science Alumni Awards 2006

YEE Shen Kuan

BPharm 1976

Senior Deputy Director, Centre for Drug Administration, Health Sciences Authority

Graduating in pharmacy in 1976, YEE Shen Kuan embarked on his pharmacy career in the Government Pharmaceutical Service. Today he holds the post of Senior Deputy Director, Centre for Drug Administration, Health Sciences Authority.

"The pharmacy lectures were conducted at the current Ministry of Health. Headquarters building (College of Medicine Building at College Road). Back then, I did not have much to fall back on except a passion for 'A' level chemistry and biology and a vague desire to help others in need. As time passed, my passion and interest in pharmacy grew. The pharmacy course in NUS wasn't just about the studying, but also the close friendships kindled during the 3 years (my batch was small and close-knit and many of us are still close friends today) and the various fun activities which define university life, such as orientation and the making of the float for Rag & Flag Day."

Here, he shares his reflections, "Till now, I consider myself fortunate in taking up pharmacy as my career and I have never regretted doing so. Yet even more exciting opportunities await those studying pharmacy now, as we are the edge of a new frontier in terms of drug research, development, the use of alternative medicines and the evolving regulatory environment. Trials for drugs that target dreaded diseases are currently underway, as well as other developments such as drugs specially tailored for an individual's specific needs. The challenges are great, as exemplified by the developments in various disciplines, be it in regulation, drug manufacturing, marketing or hospital pharmacy. It is imperative that we have to constantly update ourselves and broaden our scopes in these fields so that we do not get left behind with the times. It would also take a dynamic and dedicated person to pioneer the new age of pharmacy, but the rewards would be well worth the effort."

"Pioneering the new age of pharmacy."

Outstanding Science Alumni Awards 2006

YU Rongqing

PhD 1999

Founder of Suzhou Goldengreen Technologies Ltd, Suzhou, China

YU Rongqing obtained his Bachelor and Master Degrees from Xiamen University, China in 1989 and 1992, respectively. From 1992 to 1995, he was as a lecturer in the Chemistry Department of Xiamen University. Thereafter, he pursued further studies in the University of Singapore, and received his Doctorate in 1999.

With his background in materials chemistry, Dr Yu set up a high-tech manufacturing company Suzhou Goldengreen Technologies Ltd in 2002. Based in Suzhou, China, the company specializes in the production of high-end organic photo-conductors (OPCs) catering for laser printers, digital copiers, laser fax and laser multi-function machines. Supported by key government science and technology projects, Suzhou Goldengreen Technologies Ltd has developed two high-volume fully-automation production lines with strong in-house design, research and development capabilities.

Dr YU has since expanded the company into the largest professional manufacturer in high-end OPC in China. With several patents on OPC technologies registered, he has also led Suzhou Goldengreen Technologies Ltd into international imaging / printing markets, such as Southeast Asia, Arabian area, Europe, USA and South America.