

PRESS RELEASE

29 June 2006

INAUGURAL MEETING OF HIGH-LEVEL RESEARCH COUNCIL TO DISCUSS R&D PROPOSALS TO DRIVE SINGAPORE'S KNOWLEDGE-BASED ECONOMY

- *The Research, Innovation and Enterprise Council (RIEC) meeting to be chaired by Prime Minister Lee Hsien Loong*
- *The RIEC to discuss Research & Development (R&D) proposals for the three key strategic areas identified by the National Research Foundation (NRF) – Biomedical Sciences, Environmental and Water Technologies, and Interactive and Digital Media, as well as an initiative to establish world class international research centres in Singapore*
- *The 18 RIEC members bring with them extensive experience in both the public and private sectors, higher education, business and industry to lend an international multi-disciplinary perspective to the work of the RIEC*

The RIEC, chaired by Prime Minister Lee Hsien Loong, will convene its inaugural meeting in Singapore, from 4 to 7 July 2006. The Council will discuss R&D proposals in three key strategic areas identified by the NRF – Biomedical Sciences, Environmental and Water Technologies, and Interactive and Digital Media. The council will also deliberate on an initiative to establish world class international research centres in Singapore, aimed at creating a pool of top scientists to drive R&D and innovation to create new growth engines for Singapore.

2. With the theme “R&D as a Driver for Economic Growth”, the RIEC meeting will focus on policies and strategies to transform Singapore into a nation underpinned by strong capabilities in R&D. This is in line with what PM mentioned in his Budget Debate Speech in February 2006, that “R&D is about experimentation, taking risks, venturing into uncharted territories, (which) means that we must be ready to support good people and good projects”. The RIEC will also look at how to galvanise new science and technology initiatives, and seed new areas of economic growth.

3. To help Singapore deepen our R&D capabilities to a level comparable to that of countries such as Switzerland, Finland and Sweden, the RIEC will

tap on the extensive experience and expertise of its eminent members. The council comprises Singapore Cabinet Ministers and prominent personalities from the business, science and technology communities worldwide. They have been appointed to the RIEC for a three-year period from 1 July 2006 to 30 June 2009. (Please refer to the **Annexes** for the Terms of Reference of the RIEC, list of RIEC members and their CVs.)

4. In conceptualising the national strategy to spearhead R&D, the NRF has consulted its Scientific Advisory Board (SAB) and the respective steering committees overseeing the three strategic areas in its rigorous process of deliberation on R&D proposals. The RIEC will review these proposals and PM and the RIEC members will share their observations, views and recommendations at the close of the meeting on 7 July 2006.

**TERMS OF REFERENCE OF THE
RESEARCH, INNOVATION AND ENTERPRISE COUNCIL (RIEC)**

The RIEC is a high-level public and private-sector council chaired by Prime Minister (PM) Lee Hsien Loong.

The terms of reference of the RIEC are:

- To advise the Singapore Cabinet on national research and innovation policies and strategies to drive the transformation of Singapore into a knowledge-based economy, with strong supporting capabilities in Research & Development; and
- To lead the national drive to promote research and enterprise, by encouraging new initiatives in knowledge creation in science and technology, and to catalyse new areas of economic growth.

The list of RIEC members is given in **Annex B**. Members have been appointed by PM for three-year terms.

The National Research Foundation (NRF) provides secretariat support to the RIEC.

LIST OF RIEC MEMBERS

Chairman

Lee Hsien Loong

Prime Minister and Minister for Finance

Deputy Chairman

Dr Tony Tan

Chairman, NRF

Members

- **Lim Hng Kiang**
Deputy Chairman, NRF, and Minister for Trade and Industry
- **Tharman Shanmugaratnam**
Deputy Chairman, NRF, and Minister for Education and Second Minister for Finance
- **Teo Chee Hean**
Minister for Defence
- **Khaw Boon Wan**
Minister for Health
- **Dr Ng Eng Hen**
Minister for Manpower and Second Minister for Defence
- **Dr Vivian Balakrishnan**
Minister for Community Development, Youth and Sports, and Second Minister for Information, Communications and the Arts
- **Professor Clayton M Christensen**
Robert and Jane Cizik Professor Business Administration, Harvard Business School
- **Dr Thomas M Connelly**
Senior Vice President and Chief Science & Technology Officer, DuPont
- **Kenji Fujiyoshi**
President and CEO, Mitsui Chemicals, Inc.
- **Professor Paul Herrling**
Head, Corporate Research, Novartis International AG
- **Dr Susan Hockfield**
President, Massachusetts Institute of Technology (MIT)

- **Koh Boon Hwee** (许文辉)
Chairman, DBS Group Holdings Ltd, Executive Chairman & CEO of Sunningdale Tech Ltd and Executive Director of MediaRing Ltd
- **Richard V Pisarczyk**
President, ExxonMobil Research & Engineering Company
- **Peter Schwartz**
Co-founder and Chairman, Global Business Network
- **Professor Claus Weyrich**
Head of Corporate Technology and Member of the Managing Board, Siemens AG
- **Wong Ngit Liong** (王玉强)
Chairman & CEO, Venture Corporation Ltd

TOTAL: 18 members



Professor Clayton M. Christensen
Robert and Jane Cizik Professor Business Administration
Harvard Business School

Biography

Clayton M. Christensen is the Robert and Jane Cizik Professor of Business Administration at the Harvard Business School, with a joint appointment in the Technology & Operations Management and General Management faculty groups. His research and teaching interests center on the management of technological innovation, developing organizational capabilities, and finding new markets for new technologies. Prior to joining the HBS faculty, Christensen served as chairman and president of CPS Corporation, a firm which he co-founded with several MIT professors in 1984 which is now a publicly traded company. CPS is a leading developer of products and manufacturing processes using advanced materials.

Christensen holds a B.A. in economics from Brigham Young University and an M.Phil in economics from Oxford University, where he studied as a Rhodes Scholar. Christensen received an MBA from the Harvard Business School in 1979, graduating as a George F. Baker Scholar. He was awarded a DBA from the Harvard Business School in 1992. Christensen won the Production and Operations Management Society's 1991 William Abernathy Award, presented to the author of the best paper in the management of technology; the Newcomen Society's award for the best paper in business history in 1993; and the 1995 McKinsey Award for the best article published in the *Harvard Business Review*. He is the author of four books: *The Innovator's Dilemma*, which received the Global Business Book Award for the best business book published in 1997; *Innovation and the General Manager*, a casebook; *The Innovator's Solution*, co-authored by Michael E. Raynor; and *Seeing What's Next*, co-authored by Scott D. Anthony and Erik A. Roth. Professor Christensen's writings have been featured in a variety of publications, and have won a number of awards over the years.

Harvard Business School

Founded in 1908, Harvard Business School is nearly as old as the concept of management education itself—and in less than a century, the School has produced leaders and ideas that have shaped the practice of management in vital organizations of every kind around the globe. The history of HBS is seen as a challenge—a legacy of energy and innovation that faculty and students strive to equal every day. The case teaching method is a powerful and interactive learning process that brings the complex and dynamic realities of business analysis and decision making into the classroom. HBS faculty work with business leaders at organizations of all sizes around the world to research and write more than 350 new cases each year, updating about a third of course content annually to ensure relevance to current and emerging practice.

HBS has a long tradition of ground-breaking research that impacts business practice worldwide. Each academic year, the faculty authors or co-authors about thirty-five books, produces more than 300 academic papers, and writes a broad array of articles for general business publications. In summary the greater HBS community continues to redefine the nature of management education and to invent the future of business.



**Dr Thomas M. Connelly Jr.
Senior Vice President & Chief Science
and Technology Officer
Dupont Inc**

Biography

Thomas M. Connelly, Jr., senior vice president and chief science and technology officer, joined DuPont in 1977, as research engineer at the DuPont Experimental Station in Wilmington, Del.

From 1980 to 1985, Dr Connelly served in research and plant technical leadership roles, in Deepwater, N.J., Louisville, Ky. and Parkersburg, W. Va. In 1985, Dr Connelly became global product manager for the Permasep® business, based in Delaware.

From 1987 until 1994, Dr Connelly worked in Europe, first as manager for Polymer Products in the United Kingdom, and as director for the European Technical Center in Geneva, Switzerland.

While still in Geneva in early 1992, Dr Connelly assumed leadership of the Delrin® engineering resins business, serving for the next five years as business director. Early in 1994, he moved to Hong Kong where he continued his Delrin® role, and added responsibility for the Engineering Polymer business throughout Asia, except Japan.

In mid-1997, Dr Connelly assumed the role of business director for Kevlar® aramid fiber, based in Richmond, Va. In January 1999 he was named vice president and general manager – DuPont Fluoroproducts. He was named to his current position on Sept. 1, 2000.

Dr Connelly was born in Toledo, Ohio. He graduated with highest honors from Princeton University with degrees in chemical engineering and economics. As a Winston Churchill Scholar, he received his doctorate in chemical engineering from the University of Cambridge.

E. I. du Pont de Nemours & Company (“DuPont”)

Founded in 1802, E. I. du Pont de Nemours & Company (“DuPont”) is US’s third largest chemical company (behind Dow and ExxonMobil Chemicals). DuPont focuses on putting science to work by creating sustainable solutions essential to a better, safer, healthier life for people everywhere. Operating in more than 70 countries, DuPont offers a wide range of innovative products and services for markets including agriculture, nutrition, electronics, communications, safety and protection, home and construction, transportation and apparel. In 2005, company was named the third most admired chemical company globally by the Fortune magazine.

Operations in Singapore

DuPont Company (Singapore) Pte Ltd operates a Zytel® nylon polymerisation plant on Jurong Island, Singapore. It also has a sizable regional headquarters here, undertaking regional treasury, sales/re-sales and other headquarter functions. DuPont recently announced its decision to invest in two separate manufacturing facilities in Singapore to produce two high performance engineering polymers: Vespel® and High Temperature Nylon. This will increase the size of Dupont’s operations in Singapore significantly.



Kenji Fujiyoshi
President and Chief Executive Officer
Mitsui Chemicals, Inc

Biography

Kenji Fujiyoshi was appointed President and Chief Executive Officer of Mitsui Chemicals in June 28, 2005. He graduated from Kyoto University in 1967 and got a master's degree in Chemical Engineering from Kyoto University in 1969. He joined Mitsui Petrochemical Industries Ltd(MPC) and assigned to Ethylene Dept. of its Ichihara Works. Pursuant to the merger between MPC and Mitsui Toatsu Chemicals Inc. in October 1997, he became a board member and general manager of Petrochemicals R&D Center in Mitsui Chemicals Inc. He was appointed a Senior Managing Director in charge of Planning Div.-Greater China as well as Corporate Planning and Management Accounting divisions and then he has been serving as President and CEO of Mitsui Chemicals Inc. since June 2005.

Mitsui Chemicals, Inc

Mitsui Chemicals, Inc. was formed in 1997 through the merger of Mitsui Chemicals Industries, Ltd. and Mitsui Toatsu Chemicals, Inc. Our corporate mission is "to contribute broadly to society by providing high-quality products and services to customers through innovations and creation of materials, while keeping in harmony with the global environment." We aspire to being a Strong and Excellent Mitsui Chemicals Group with a highly competitive position in the global market and make company-wide efforts to achieve the mission.

Our company manufactures and sells materials of ophthalmic lens and non-woven fabrics in Functional Chemicals & Engineered Materials, elastomers and performance polymers in Functional Polymeric Materials, phenol and terephthalic acid in Basic Chemicals and polyethylene and polypropylene in Petrochemicals. Furthermore, our business activities are to export technologies to overseas, for example, design and construction of production facilities, logistics and proprietary manufacturing process technologies relating to each business.

Mitsui Chemicals, Inc., headquartered in Tokyo, Japan, has about 12,000 employees in overseas and Japan. Sales in Fiscal 2005 were about S\$20,400 million. Our overseas offices and manufacturing sites are located in Singapore, Thailand, Indonesia, Malaysia, Korea and China to obtain demand in rapidly growing Asia markets and to further step up and expand our businesses besides the US and Europe.

Operations in Singapore

Mitsui Chemicals has played a key role in the growth of the chemical industry in Singapore for the last 40 years. It operates world-class phenol and bisphenol-A complexes on Jurong Island. These, combined with Mitsui Chemicals Singapore, Mitsui Elastomers Singapore and MTK Chemicals, represent some S\$900 million of the company's operation in Singapore.

Mitsui Chemicals has been carrying out joint research with A*Star in three scientific areas such as basic petrochemical materials, fine chemicals and advanced materials since 2004, as well as joint research on new materials with the National University of Singapore. Mitsui Chemical held the international scientific symposium focused on "Advanced in Materials and Chemicals" in the collaboration with A*STAR and EDB in April 2006 at Biopolis, attended by about 500 key players from both industry and academia.



Professor Paul Herrling
Head of Corporate Research
Novartis International AG

Biography

Professor Paul Herrling is Head of Corporate Research at Novartis, a position he assumed in November 2002. He is also Chairman of the Board of the newly created Novartis Institute for Tropical Diseases in Singapore, a long-term endeavor to advance medical research in the area of progressive infectious diseases, which historically have received little funding. Prof. Herrling also oversees the Friedrich Miescher Institute in Basel, Switzerland, and serves on the board of the of the Genomics Institute of the Novartis Research Foundation in La Jolla California as well as on the boards of several other research institutions.

Prior to his current position, Paul Herrling was Head of Global Research at Novartis Pharma and a member of the Pharma Executive Committee (PEC). Prof. Herrling joined Sandoz Pharma in 1975 and held various positions in research at both Sandoz in Basel and Wander in Bern.

Paul Herrling is also Professor of Drug Discovery Science at the University of Basel, Switzerland. He obtained his doctorate in 1975 at the University of Zurich and was a post-doctorate fellow at the Neuropsychiatric Institute at the University of California, Los Angeles. In addition to scientific editing activities, he serves on several boards, most notably Board of Trustees of The Scripps Research Institute, the Board of the ETH (Swiss Federal Institutes of Technology), the Board of Directors of the TB Alliance, and the Scientific Advisory Committee of the Drugs for Neglected Diseases Initiative (DNDi).

Novartis AG

Novartis AG is a world leader in offering medicines to protect health, treat disease and improve well-being. Our goal is to discover, develop and successfully market innovative products to treat patients, ease suffering and enhance the quality of life. Novartis is the only company with leadership positions in both patented and generic pharmaceuticals. We are strengthening our medicine-based portfolio, which is focused on strategic growth platforms in innovation-driven pharmaceuticals, high-quality and low-cost generics and leading self-medication OTC brands. In 2005, the Group's businesses achieved net sales of USD 32.2 billion and net income of USD 6.1 billion. Approximately USD 4.8 billion was invested in R&D. Headquartered in Basel, Switzerland, Novartis Group companies employ approximately 91,000 people and operate in over 140 countries around the world.

Operations in Singapore

Novartis' activities in Singapore include a 85-staff drug discovery centre, Novartis Institute for Tropical Diseases (NITD), which carries out research to discover new therapies for diseases of the developing world. The Institute started with a focus on Dengue Fever and Tuberculosis and recently announced an initiative in Malaria with the Genomics Institute of the Novartis Research Foundation (GNF) and the Swiss Tropical Institute (STI) as its research partners. Novartis in Singapore, also has a contact lens manufacturing facility under its subsidiary, CIBA Vision as well as a S\$200 million greenfield tableting facility under construction and four separate regional headquarters for its Pharmaceuticals, Over-the-Counter, Nutritionals and CIBA Vision divisions.



Dr Susan Hockfield
President
Massachusetts Institute of Technology

Biography

Dr Susan Hockfield is the sixteenth president of MIT. As the first life scientist to lead MIT, she has been a strong advocate of the vital role that science, technology, and the research university play in the world, and she brings to the MIT presidency an exceptional record of achievement in serving faculty and student interests. Dr. Hockfield assumed office on December 6, 2004, following election by the MIT Corporation on August 26, 2004. She holds a faculty appointment as professor of neuroscience in the Department of Brain and Cognitive Sciences.

A noted neuroscientist whose research has focused on the development of the brain, Dr. Hockfield joined the Yale faculty in 1985 and was named full professor in 1994. While at Yale, she played a central role in the university's leadership, first as dean of its Graduate School of Arts and Sciences (1998-2002), with oversight of over 70 graduate programs, and then as provost, the university's chief academic and administrative officer.

Dr Hockfield earned her undergraduate degree from the University of Rochester and a Ph.D. from the Georgetown University School of Medicine, while carrying out her dissertation research in neuroscience at the National Institutes of Health (NIH). She was an NIH postdoctoral fellow at the University of California at San Francisco in 1979-80, and then joined the scientific staff at the Cold Spring Harbor Laboratory in New York in 1980. She served as director of the Laboratory's Summer Neurobiology Program from 1985 to 1997, concurrent with her teaching post at Yale, and more recently as a trustee of the laboratory.

Massachusetts Institute of Technology (MIT)

The mission of MIT is to advance knowledge and educate students in science, technology, and other areas of scholarship that will best serve the nation and the world in the 21st century. The Institute is committed to generating, disseminating, and preserving knowledge, and to working with others to bring this knowledge to bear on the world's great challenges. We seek to develop in each member of the MIT community the ability and passion to work wisely, creatively, and effectively for the betterment of humankind. Today MIT is a world-class educational institution. Teaching and research—with relevance to the practical world as a guiding principle—continue to be its primary purpose. MIT is independent, coeducational, and privately endowed. Its five schools and one college encompass 34 academic departments, divisions, and degree-granting programs, as well as numerous interdisciplinary centers, laboratories, and programs whose work cuts across traditional departmental boundaries.

Operations in Singapore

The Singapore-MIT Alliance (SMA) is an innovative engineering education and research collaboration among the National University of Singapore (NUS), Nanyang Technological University (NTU), and the Massachusetts Institute of Technology (MIT). Founded in November, 1998 to promote global engineering education and research, SMA brings together the resources of three premiere academic institutions, while providing students with unlimited access to exceptional faculty expertise and superior research facilities. SMA combines a focus on creativity and entrepreneurship with an intense, hands-on approach to research.



Koh Boon Hwee
Chairman
DBS Bank Ltd

Biography

Mr Koh Boon Hwee is the Executive Chairman & CEO of Sunningdale Tech Ltd and Executive Director of MediaRing Ltd. He is currently the Chairman of DBS Group Holdings Ltd and DBS Bank Ltd and Chairman of the Nanyang Technological University Board of Trustees, and serves as a Director of Agilent Technologies, Inc in the United States.

He was previously Chairman of Singapore Airlines Ltd (2001-2005), SIA Engineering Company Ltd (2003-2005), Singapore Telecom Group and its predecessor organisations (1986-2001), Omni Industries Ltd (1996-2001), Executive Chairman of the Wuthelam Group (1991-2000), and before that Managing Director of Hewlett Packard Singapore (1985-1990), where he started his career in 1977.

Boon Hwee received his Bachelor's Degree (First Class Honours) in Mechanical Engineering from the Imperial College of Science and Technology, University of London, and his MBA (Distinction) from the Harvard Business School. Boon Hwee was awarded the nation's Public Service Star in 1991 and The Meritorious Service Medal in 1995. In 1991, he was the DHL-BT Outstanding Manager of the Year, and received The International Herald Tribune Visionary & Leader Honour in January 2003.

DBS Bank

Headquartered in Singapore, DBS is one of the largest financial services groups in Asia with almost five million customers and operations in 14 markets. The largest bank in Singapore and the fifth largest banking group in Hong Kong as measured by assets, DBS' "AA-" and "Aa2" credit ratings are among the highest in the Asia-Pacific region. DBS has leading positions in consumer banking, treasury and markets, asset management, securities brokerage, equity and debt fund raising. Beyond the anchor markets of Singapore and Hong Kong, DBS serves corporate, institutional and retail customers through its operations in China, India, Indonesia, Malaysia, Thailand and The Philippines.

Operations in Singapore

DBS Bank, an Asia banking specialist, provides a full range of financial services aimed at fulfilling the total banking and financial needs of individuals and their businesses. Active in corporate, retail and investment banking, DBS Bank is one of Singapore's main sources of medium and long-term financing, and is actively engaged in providing short-term banking facilities, including trade financing and working capital financing. It also provides investment banking services, portfolio management services and custodian services.



Richard V. Pisarczyk
President
ExxonMobil Research and Engineering Company

Biography

R. V. (Rich) Pisarczyk was appointed President of ExxonMobil Research and Engineering Company on September 1, 2005 with responsibility for ExxonMobil's Research and Engineering activities supporting the Downstream businesses, Corporate Strategic Research, and Biomedical Sciences .

Rich joined Mobil Oil Corporation, Downstream in 1968 as an engineer. He advanced through various positions in manufacturing, planning and supply, and in 1984 became manager of Mobil's Ferndale Refinery in Washington. In 1986 he was appointed vice president and general manager Olefins and Aromatics in the Petrochemicals Division of Mobil Chemical Company, and in 1988 he was named manager of Planning & Financial Analysis, Manufacturing, for U.S. Marketing & Refining in Fairfax, Virginia. He transferred to Louisiana in 1989 to become manager of the Chalmette Refinery. In 1992 he was named manager of Planning Coordination, Corporate Planning and Economics, at Mobil's headquarters in Fairfax, and in 1994 he was appointed chairman and managing director of Mobil Oil Australia and relocated to Melbourne, Australia. In 1997, Rich was named vice president, East/Gulf Coast Business, North America Marketing & Refining for Mobil Oil Corporation. As a result of the merger between Exxon and Mobil in 1999, he became Regional Director, Americas of ExxonMobil Chemical. In 2001 he was named Senior Vice President Basic Chemicals and two years later was named Senior Vice President, Basic Chemicals and Intermediates.

Rich is a graduate of Michigan State with a B.S. degree in Chemical Engineering.

ExxonMobil

ExxonMobil is an industry leader in the energy and petrochemical business. We conduct business in almost 200 countries and territories around the globe. Our upstream activities include exploring for and producing oil and natural gas on six of the seven continents. **ExxonMobil Research and Engineering (EMRE)** is a part of the downstream business sector and is responsible for discovery, development and deployment of products, engineering and refining process technology as well as the design, execution and management of large downstream capital projects. EMRE also includes Corporate Strategic Research that carries out fundamental research targeted to develop new science concepts and breakthrough technology for our upstream, downstream and chemicals business sectors. In addition, ExxonMobil Biomedical Sciences, Inc. is an EMRE company that provides toxicology, environmental science, occupational health and product stewardship support to our operating affiliates. EMRE has six research centers across the globe and five engineering centers, including one in Singapore.

Operations in Singapore

ExxonMobil is the single-largest foreign investor in Singapore, with total investments of US\$6.5 billion, including a US\$2 billion Singapore Chemical Plant (SCP). ExxonMobil also owns and operates a 605,000-barrel-per-day refinery in Jurong. This is ExxonMobil's largest refining complex in the world. ExxonMobil has been in Singapore for over a hundred years, expanding from trading kerosene to multi-billion dollar manufacturing and marketing business today. Singapore is also ExxonMobil's Asia Pacific regional hub for its Downstream and Chemical businesses. In total, ExxonMobil employs about 2,000 people in Singapore.



Peter Schwartz
Co-founder and Chairman
Global Business Network

Biography

Peter Schwartz is cofounder and chairman of Global Business Network, a Monitor Group company, and a partner of the Monitor Group, a family of professional services firms devoted to enhancing client competitiveness. An internationally renowned futurist and business strategist, Peter specializes in scenario planning, working with corporations, governments, and institutions to create alternative perspectives of the future and develop robust strategies for a changing and uncertain world. His current research and scenario work encompasses energy resources and the environment, technology, telecommunications, media and entertainment, aerospace, and national security. Peter is also a member of the Council on Foreign Relations, and a member of the board of trustees of the Santa Fe Institute, the Long Now Foundation, the World Affairs Council and Human Rights Watch.

From 1982 to 1986, Peter headed scenario planning for the Royal Dutch/Shell Group of Companies in London. His team conducted comprehensive analyses of the global business and political environment and worked with senior management to create successful strategies. Before joining Royal Dutch/Shell, Peter directed the Strategic Environment Center at SRI International. The Center researched the business milieu, lifestyles, and consumer values, and conducted scenario planning for corporate and government clients.

Peter is the author of *Inevitable Surprises* (Gotham, 2003), a provocative look at the dynamic forces at play in the world today and their implications for business and society. His first book, *The Art of the Long View* (Doubleday Currency, 1991; audio tape, 1995; paperback, 1996), is considered a seminal publication on scenario planning and has been translated into multiple languages. He is also the co-author of *The Long Boom* (Perseus, 1999), a vision for the world characterized by global openness, prosperity, and discovery; *When Good Companies Do Bad Things* (Wiley, 1999), an examination of, and argument for, corporate social responsibility; and *China's Futures* (Jossey-Bass, 2001), which describes very different scenarios for China and their international implications. He publishes and lectures widely and served as a script consultant on the films "The Minority Report," "Deep Impact," "Sneakers," and "War Games." Peter received a B.S. in aeronautical engineering and astronautics from Rensselaer Polytechnic Institute.

Global Business Network

Based in the San Francisco Bay Area, Global Business Network was founded in 1987 as a unique learning community based on ruthless curiosity, collaboration, and powerful new tools for thinking about and shaping the future.

GBN's network spans the globe, blending strategic thinkers from leading companies in established and emerging industries; visionaries from the sciences, arts, business, and academia; and a community of practice engaged in innovating and transferring tools for scenario thinking and strategic action. For over sixteen years GBN has convened this network, both electronically and in-person, to explore emerging issues and ideas and their implications for business and society.



**Professor Dr. phil. Claus Weyrich
Head of Corporate Technology
and Member of the Managing Board
Siemens AG**

Biography

Claus Weyrich was born in Brno (Czech Republic) in 1944 and grew up in Turkey and Austria. From 1962 to 1969 he studied physics at the University of Innsbruck and joined the Research Labs of Siemens AG in 1969. With Siemens Corporate Research and Development he headed several technology departments and, in 1987, became Vice President and Head of Base Technologies. Further stations were Head of Corporate Research and Development Technology in 1994, and Head of Corporate Technology in 1996. Since October 1996 he has been Senior Vice President and Member of the Siemens Managing Board. In 1992 the Technical University of Munich appointed him Honorary Professor.

Siemens AG

Siemens, headquartered in Berlin and Munich, is one of the world's largest electrical engineering and electronics companies. Siemens provides innovative technologies and comprehensive know-how to benefit customers in 190 countries. Founded more than 150 years ago, the company is active in the areas of Information and Communications, Automation and Control, Power, Transportation, Medical, and Lighting. Siemens globally employs 461,000 staff and had sales of €75.445 billion in fiscal year 2005.

Operations in Singapore

Siemens' 2,300-strong team in Singapore delivers state-of-the-art solutions and technologies in the fields of information and communications, automation and control, power, healthcare, transportation and lighting. Siemens is responsible for many major infrastructural projects in power generation and transmission, transportation, communication and healthcare and was presented the Distinguished Partner in Progress Award by the Economic Development Board for its contributions towards Singapore's economic and technological growth. An innovation company, Siemens is engaged in R&D for hearing instruments, electronics assembly technology and automotive infotainment systems in Singapore.



Wong Ngit Liong
Chairman and Chief Executive Officer
Venture Corporation Ltd

Biography

Mr Wong Ngit Liong is the Chairman & Chief Executive of Venture Corporation Limited, a listed Singapore-based leading Electronics Design, Manufacturing and E-fulfilment Group, comprising 30 companies with global clusters of excellence in Asia, the Americas and Europe with a workforce of more than 14,000 worldwide. Mr Wong has been instrumental in the overall growth and development of its businesses since the Group's inception. Since taking over the helm in 1989, Mr Wong has propelled Venture from its humble beginnings as a contract manufacturer to become one of the world's most profitable electronics services providers today. In the period of time, Venture has registered compounded average growth rates of 33% and 47% on its revenue and net profit respectively, and continues to be recognized by customers and the media community alike as a company with strong management expertise and leadership.

Mr Wong spent the first 12 years of his career with Hewlett-Packard Company (HP) holding various management positions at headquarters Palo Alto (USA), Santa Clara and Cupertino Divisions. He was actively engaged in the start-up of HP Singapore. He was also the founding Director and General Manager of HP Malaysia. In recognition of his leadership and business acumen, Mr Wong has been accorded a number of accolades including Asiamoney's Best Chief Executive Officer Award (Singapore) in 2004, the Ernst & Young Entrepreneur of the Year Award (Singapore) in 2002, and the Singapore Business Times/DHL Worldwide Express Businessman of the Year in 1998.

Mr Wong serves on the Board of various listed and private companies including DBS Bank Ltd and DBS Group Holdings Ltd, Royal Philips Electronics and SIA Engineering Company Ltd. He is also Chairman of the National University of Singapore Board of Trustees. He is also a member of the Action Community for Entrepreneurship (ACE) Executive Council in Singapore. A Fulbright scholar, Mr Wong earned his first class honours degree in electrical engineering from the University of Malaya, and his master's degree in electronics engineering from the University of California, Berkeley. He also obtained an MBA with distinction from McGill University under the Canadian Commonwealth Fellowship.

Venture Corporation Ltd

Venture Corporation Limited, founded in Singapore in year 1989, ranks among the best in managing the value chains of leading electronics companies around the world. A strategic global partner for successful MNCs, Venture provides product design services, electronics manufacturing as well as e-fulfillment services that span the printing and imaging, computer peripherals, networking and communications, medical and other niche product segments. Formed in 1989, the Venture group comprises some 30 companies with global clusters of excellence in South-East Asia, North-East Asia, the Americas and Europe. The Group registered compounded annual growth rates of 33 percent and 47 percent for its revenue and net profit respectively between 1989 and 2005.

Today, the Venture brand name is associated with technological superiority, cost efficiency and total customer satisfaction, bearing testimony to its consistent performance, flawless execution and quality. Venture is recognized to be a company with strong management expertise, having received numerous accolades from its customers such as "Supplier of the Year" and "Successful Strategic Partnership", and from the financial media such as "Singapore's Best Managed Companies" by both Asiamoney and FinanceAsia.