EXECUTIVE DIRECTORS

Mr. NI Yifeng, aged 59, was appointed as the Executive Director and President of the Company in July 2005. He is responsible for the overall management of the Company. He is also the Director of APT Satellite Company Limited, APT Satellite Investment Company Limited, Acme Star Investment Limited, APT Satellite Telewell Limited, APT Satellite Vision Limited, APT Satellite TV Development Limited, Skywork Corporation, APT Telecom Services Limited, Ying Fai Realty (China) Limited, APT Satellite Global Company Limited, APT Satellite Enterprise Limited and APT Satellite Link Limited, subsidiaries of the Company. He is also the Chairman of the board of directors of APT Satellite Telecommunications Limited, a jointly controlled entity between a wholly-owned subsidiary of the Company and one of the shareholders of APT Satellite International Company Limited ("APT International"), the substantial shareholder of the Company. Mr. Ni is also the Director of APT International. Mr. Ni graduated from the Research Institute of Chinese Academy of Social Science and obtained a MBA degree from the Chinese University of Hong Kong and accredited as Senior Accountant in China. He is currently Vice President of China Satellite Communications Corporation, which is the holding company of one of the shareholders of APT International, the substantial shareholder of the Company. He also is the Chairman of a listed company in Shanghai, China, namely Chinasatcom Guomai Communications Co. Ltd.. He held the posts of Deputy Director of Planning Department, Deputy Director of Finance Department, and Deputy Director General of Directorate-General of Telecommunications of Ministry of Post and Telecommunications (presently known as Ministry of Information Industry). He was also President and Vice Chairman of Guoxin Paging Company Limited and Deputy General Manager of China Telecommunications Broadcast Satellite Corporation, which is one of the shareholders of APT International. Mr. Ni has over 30 years' experience in post and telecommunication fields and abundant experience in corporate management.

Mr. TONG Xudong, aged 43, was appointed as the Executive Director and Vice President of the Company in March and April 2004, respectively. Mr. Tong is also the member of the Nomination Committee and the Remuneration Committee of the Company. Mr. Tong is also the Director of APT Satellite Company Limited, APT Satellite Investment Company Limited, APT Satellite Vision Limited, APT Satellite TV Development Limited, APT Satellite Global Company Limited, APT Satellite Enterprise Limited, APT Satellite Link Limited, APT Communication Technology Development (Shenzhen) Company Limited, CTIA Vsat Network Limited and Beijing Asia Pacific East Communication Network Limited ("BAPECN Limited"), subsidiaries of the Company. He is also the chairman of BAPECN Limited. He is also the Director of APT Satellite International Company Limited, the substantial shareholder of the Company. Mr. Tong graduated from Nanjing Aeronautic Institute in 1985 and obtained a master degree from Beijing Institute of Space Mechanics and Electricity, Chinese Academy of Space Technology in 1988. Immediately after his graduation, he served for the Beijing Institute of Space Mechanics and Electricity. In 1993, he further pursued his studies in Samara University of Aeronautics and Astronautics, Russia. From May 1995 to June 2000, he served as the Vice-Director of Beijing Institute of Space Mechanics and Electricity and was appointed as professor in 1998. From June 2000 to December 2003, he was the Director of the same Institute. In 2003, he was appointed as the Vice-President of Chinese Academy of Space Technology. Mr. Tong is a standing committee member of Chinese Society of Space Research and Chairman of the Committee of Recovery and Reentry, Chinese Society of Astronautics.

NON-EXECUTIVE DIRECTORS

Mr. Rui Xiaowu, aged 48, was appointed as the Non-Executive Director and Chairman of the Company in December 2006. Mr. Rui is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. He is also the Chairman of the board of directors of APT Satellite International Company Limited ("APT International"), the substantial shareholder of the Company. Mr. Rui is a Master's Postgraduate. He was accredited as a Research Fellow in 1999 and was awarded by the State Council of China as the Winner of "Government Special Allowance" in 1996. Currently, Mr. Rui is the General Manager of China Satellite Communications Corporation, the holding company of one of the shareholders of APT International, the substantial shareholder of the Company. In 1982 Mr. Rui graduated from the Science & Technology University for National Defense of China in Computer Software Major and had been studying Master's Degree in Computer Aided Engineering at the 710 Research Institute of the former Ministry of Aerospace Industry of China during the period from 1982 to 1985, and participated works at the 710 Research Institute in the same year. Thereafter, he had been the Engineer, Division Director of the Business Marketing Division, Vice President, President of the 710 Research Institute; he had been the Business Assistant to General Manager and Director General of the Business Planning & Marketing Department, Business Assistant to General Manager and Director General of the Marketing Department of China Aerospace Science & Technology Corporation since 2000; he had also been appointed as the Vice Chairman of Sino Satellite Communications Company Limited since 2001; he had been appointed as the Assistant to General Manager of China Aerospace Science & Technology Corporation since 2002; he had also been appointed as the Chairman of China Spacesat Company Limited (a corporation listed on the Shanghai Securities Exchange in China) during the period from 2002 to 2005; he had been appointed as the Chairman & President and Chairman of China Aerospace International Holdings Limited and CASIL Telecommunications Holdings Limited, respectively (both of them are corporations listed on the Stock Exchange of Hong Kong) during the period from 2002 to 2006; and he had been appointed as the Deputy General Manager of China Aerospace Science & Technology Corporation during the period from 2005 to 2006.

Mr. LIM Toon, aged 64, has been a Director of APT Satellite Company Limited since February 1993 and was appointed as the Non-Executive Director of the Company in October 1996. Mr. Lim is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. He is also the Director of APT Satellite Telecommunications Limited, a jointly controlled entity between a whollyowned subsidiary of the Company and one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company. Mr. Lim is also the Director of APT Satellite International Company Limited. In 1966, Mr. Lim graduated from the University of Canterbury in New Zealand, with a first class honours degree in Engineering. In 1975, Mr. Lim obtained a Postgraduate Diploma in Business Administration from the University of Singapore. He attended the Advanced Management Programme at Harvard Business School in 1992. He has been the Chief Operating Officer of SingTel, the holding company of one of the shareholders of APT Satellite International Company Limited, since April 1999 and has worked for Singapore Telecom since 1970, serving in various appointments of engineering, radio services, traffic operations, personnel & training and information systems departments. He was appointed Executive Vice President of Network Services in April 1989 and Executive Vice President of International Services in April 1994. He was awarded the Efficiency Medal in 1978 and the Public Administration Medal (Gold) in 1991 by the Singapore government. He is presently a Director of a number of overseas companies. Mr. Lim has retired from SingTel on 26 February 2006.

NON-EXECUTIVE DIRECTORS (Continued)

Dr. YIN Yen-liang, aged 56, was appointed as the Non-Executive Director of the Company in January 2003. Dr. Yin is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. Dr. Yin is also the Director of APT Satellite International Company Limited, the substantial shareholder of the Company. Dr. Yin graduated with an MBA Degree from National Taiwan University in 1983 and received the PhD Degree in Business Administration from National Chengchi University in 1987. He has been President of the Ruentex Group, the holding company of one of the shareholders of APT Satellite International Company Limited, since 1994 and concurrently holding the position of Executive Director of SinoPac Holdings Co., Ltd., Executive Director of Bank SinoPac, Director of Acer Incorporate, Chairman of Aetna SinoPac Credit Card Company Limited.

Mr. WU Zhen Mu, aged 61, was appointed as the Non-Executive Director of the Company in June 1998. Mr. Wu is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. Mr. Wu is also the Director of APT Satellite International Company Limited, the substantial shareholder of the Company. Mr. Wu graduated in Manufacturing Engineering of the Beijing Institute of Aeronautics in 1969 and obtained a Master's degree in Electro-Mechanical Automation in the same institute in 1981. He was a lecturer in Zhengzhou Institute of Aeronautics from 1970 and 1979 and had been a lecturer, associate Professor and Professor in Beijing University of Aeronautics and Aerospace from 1982 to 1993. Since then, he has been appointed as a Professor of the Commission of Science and Technology of China Aerospace Corporation.

Mr. Zhao Liqiang, aged 46, was appointed as the Non-Executive Director of the Company in December 2006. Mr. Zhao is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. He is also the Director of APT Satellite International Company Limited ("APT International"), the substantial shareholder of the Company. Mr. Zhao is a Research Fellow and currently is an Executive Director and President of China Aerospace International Holdings Limited, a corporation listed on the Stock Exchange of Hong Kong and such a corporation is the holding company of one of the shareholders of APT International, the substantial shareholder of the Company. Mr. Zhao graduated from Beijing Aviation College in 1984, and from China Academy of Launch Vehicle Technology ("CALT") in 1987 with a master degree in Meter & Testing of Aerospace Vehicles. Mr. Zhao joined the 704 Research Institute of CALT and since 1987 held such posts there as Deputy Team Head of the Second Office, Deputy Officer of Research Centre of Tracking & Navigating Equipment, Vice President, President, President and Assistant to Chairman, and Vice Chairman; the General Manager of Beijing Satellite Technology & Navigation Limited; the Deputy General Manager of China Aerospace Times Electronics Corporation; as well as the Director & President of Long March Launch Vehicle Technology Company Limited (a corporation listed on the Shanghai Securities Exchange in China) during the period from 1999 to 2004.

NON-EXECUTIVE DIRECTORS (Continued)

Mr. Yong Foo Chong, aged 40, was appointed as the Non-Executive Director of the Company on 8 March 2007. Mr. Yong is also the Director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. He is also the Director of APT Satellite Telecommunications Limited, a jointly controlled entity between a wholly owned subsidiary of the Company and a shareholder of APT Satellite International Company Limited ("APT International"), the substantial shareholder of the Company. Mr. Yong is also the Director of APT International. Mr. Yong holds an Honours Degree in Electrical & Electronic Engineering from the National University of Singapore, specializing in communication technology. Mr. Yong has worked for Singapore Telecommunications Limited ("SingTel"), the holding company of one of the shareholders of APT International which is the substantial shareholder of the Company, since 1998, serving in various appointments. Currently, Mr. Yong is the Head of Satellite for SingTel overseeing the fixed and mobile satellite business and infrastructure and also the director of Singasat Private Limited, a wholly owned subsidiary of SingTel, which is one of the shareholders of APT International. Prior to the current appointment in 2006, he was the Senior Director of Corporate Business Marketing and was responsible for the global marketing of B2B solutions. Mr. Yong had a 2-year stint as the Director of SingTel's Optus Business Marketing and Product Management based out of Sydney, Australia, whose responsibility was to revamp the entire marketing and product strategy, which included steering the B2B business towards new strategic directions such as IP convergence and SME solutions investment. He was also responsible for strategic bid management which secured many key government and Australian MNC contracts. In 2001, Mr. Yong also helped the Corporate Business Group implement various strategic initiatives such as building a pan-Asian network of managed hosting data centers and was later appointed as Chief Operation Officer of the managed hosting business unit of SingTel. Before joining SingTel, Mr. Yong spent more than seven years in the ICT industry and held specialist and management positions in leading MNCs gaining significant successes and experiences in the area of Telecom Network Management. Apart from holding the current appointment with SingTel, Mr. Yong is also a board member of Asia Pacific Satellite Communications Council starting January 2007.

Mr. TSENG Ta-mon, aged 49, was appointed as an Alternate Director to Dr. Yin Yen-liang, the Non-Executive Director of the Company, in September 2004. He had been the Non-Executive Director to Dr. Yin Yen-liang, the director of APT Satellite Company Limited and APT Satellite Investment Company Limited, subsidiaries of the Company. Mr. Tseng is also the Alternate Director to Dr. Yin Yen-liang, the director of APT Satellite International Company Limited, a substantial shareholder of the Company. Mr. Tseng graduated with an LL.B. Degree from National Chengchi University in 1980 and subsequently received the LL.M. Degree from University College London in 1982 and the LL.B. Degree from B.A. at University of Cambridge in 1984 respectively. He also graduated from the Inns of Court School of Law of Middle Temple in 1985 and became Barrister-at-Law in the same year. He was the Specialist of the Board of International Trade from 1985 to 1987. He was also the Partner of Dong & Lee from 1987 to 1992. He has been the Counsel of the Ruentex Group, the holding company of one of the shareholders of APT Satellite International Company Limited, since 1992.

NON-EXECUTIVE DIRECTORS (Continued)

Ms. LAN Kwai-chu, aged 43, was appointed as the Non-Executive Director of the Company in August 2005. Ms. Lan is currently the head of the Mergers & Acquisition Unit of Singapore Telecommunications Limited ("SingTel"), the holding company of one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company. Ms. Lan's experience includes corporate planning and strategy, and management of SingTel's sales and representative offices around the world. Ms. Lan holds a Bachelor of Economics and a Master in Business Administration. Ms. Lan is also a Chartered Accountant. Ms. Lan resigned as the Non-Executive Director of the Company on 27 March 2006.

Mr. KWOK Kah Wai Victor, aged 51, was appointed as an Alternate Director to Mr. Lim Toon and Ms. Lan Kwai-chu, Non-Executive Directors of the Company, in December 2004 and August 2005, respectively. Mr. Kwok had been the Alternate Director to Mr. Lim Wee Seng, Non-Executive Director of the Company, from December 2004 to August 2005. He had also been the Vice President of the Company from March 2001 to June 2004 responsible for Marketing and Sales division of the Company. Prior to joining the Company, Mr. Kwok was the Managing Director of Global Services Development in Singapore Telecommunications Limited ("SingTel"), the holding company of one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company. Mr. Kwok has been with SingTel for the last twenty years and has held management positions in Corporate Product Marketing and Corporate Account Management. Mr. Kwok is currently the Director of Partnership and Strategic Planning of Corporate Business Marketing of SingTel. Mr. Kwok graduated from National University of Singapore with an Honors Degree in Electrical Engineering and an MBA degree in 1981 and 1987, respectively. Mr. Kwok also attended the Harvard Business School's International Senior Management Program in May, 1993. Mr. Kwok resigned as the Alternate Director to Mr. Lim Toon and Ms. Lan Kwai-chu, the Non-Executive Directors of the Company, on 27 March 2006.

Mr. LIU Ji Yuan, aged 73, was appointed as the Chairman of the Company in June 1998. Mr. Liu graduated from Bowman Polytechnic University, Moscow, USSR (presently known as Russia) majoring in automatic and remote control, and obtained a Master's degree in 1960. After graduation, he was appointed consecutively as a Deputy Director and Director of the Twelfth Research Institute of the Seventh Ministry of Machinery Industry, Vice President of the China Academy of Launch Vehicle Technology under the Ministry of Astronautics and accredited as a Senior Engineer from May 1983 to March 1984, the Vice Minister of the Ministry of Astronautics and accredited as a Research Fellow from April 1984 to March 1988, and the Vice Minister of the PRC Ministry of Aerospace Industry (later known as China Aerospace Corporation) from April 1988 to April 1993. In April 1993, Mr. Liu was appointed as the Administrator (Ministerial) of China National Space Administration (CNSA), as well as the President of China Aerospace Corporation. In 1988, Mr. Liu was granted the award of National Outstanding Young and Middle-aged Expert in the PRC. In the same year, he was appointed as a visiting professor of Harbin Institute of Technology, Beijing University of Aeronautics and Astronautics, and Beijing Information Control Institute. After 1993, Mr. Liu was also appointed as the President of the Chinese Society of Astronautics, Member of International Academy of Astronautics, President (thirdterm) of China Automatic Measurement and Control Association, and Honorary Chairman of China Aerospace Industrial and Entrepreneurial Management Association. Mr. Liu resigned as the Non-Executive Director and Chairman of the Company on 7 December 2006.

NON-EXECUTIVE DIRECTORS (Continued)

Mr. ZHANG Hainan, aged 62, was appointed as the Non-Executive Director and Deputy Chairman of the Company in March 2004. Mr. Zhang graduated from the Northwestern Polytechnical University in 1968 and was accredited as a senior engineer. Since 1984, he has been deputy director of Factory Number 782 and 762, the Ministry of Electronics Industry of China; deputy head and head of the Bureau of Electronics Industry, Shanxi Province; deputy head and head of Shanxi Economic and Trade Commission; and assistant to the governor of the Shanxi Province government, among others. In 2001, he was transferred to China Satellite Communications Corporation, the holding company of one of the shareholders of APT Satellite International Company Limited, as deputy general manager and general manager. Mr. Zhang has many years' experience in government and corporate management. Mr. Zhang resigned as the Non-Executive Director and Deputy Chairman of the Company on 7 December 2006.

Mr. HO Siaw Hong, aged 58, was appointed as the Non-Executive Director of the Company in March 2006. He had been an Alternate Director to Mr. Wong Hung Khim and Mr. Lim Toon, the non-executive director of the Company, from October 1996 to July 1999. Mr. Ho joined Singapore Telecommunications Limited ("SingTel"), the holding company of one of the shareholders of APT International, the substantial shareholder of the Company, in August 1972 after graduating from the then University of Singapore, now known as the National University of Singapore, with a Bachelor of Engineering (Electrical) degree. He has held managerial positions in areas including planning and operations of transmission network, radio network, mobile network, telephone exchange equipment, switch software management, etc. Mr. Ho is currently the Vice President for Fixed Networks Engineering of SingTel and SingTel Optus Pty Limited ("Optus") responsible for the engineering and planning of the fixed core networks for both SingTel and Optus. Before this appointment, he was seconded to SingTel's Joint Venture company in Indonesia, PT Bukaka SingTel International ("BSI") as its President Director from February 1999 to January 2001. He continued to oversee the operations of BSI upon his return from Indonesia while concurrently holding the post of Vice President for Network Support in the Networks directorate. He was also Assistant Vice President for Satellite Services of SingTel between 1997 and 1999. Mr. Ho is also a board member of the BSI's Board of Commissioner. Mr. Ho resigned as the Non-Executive Director of the Company on 8 March 2007.

INDEPENDENT NON-EXECUTIVE DIRECTORS

Mr. YUEN Pak Yiu, Philip, aged 71, was appointed as an Independent Non-executive Director of the Company in October 1996. Mr. Yuen is the Chairman of the Audit Committee and the Nomination Committee of the Company and also is the member of the Remuneration Committee of the Company. He graduated from Law School in England in 1961 and commenced the practice of law in Hong Kong in 1962. In 1965, he established his solicitors' firm, Yung, Yu, Yuen & Co., and now is the principal partner in the firm. Mr. Yuen has over 30 years' experience in the legal field and has been a Director of a number of listed companies including Henderson Investment Limited, Hopson Development Holdings Limited and Melbourne Enterprises Limited. He is a member of the China Appointed Attesting Officers Association in Hong Kong, a Member of the National Committee of Chinese Peoples' Political Consultative Conference and an Arbitrator at the China International Economic & Trade Arbitration Commission.

Dr. HUAN Guocang, aged 57, was appointed as an Independent Non-executive Director of the Company in August 2002. Dr. Huan is the member of the Audit Committee, the Nomination Committee and the Remuneration Committee of the Company. He is the Managing Partner of Primus Pacific Partners Limited ("Primus"). Before joining Primus, he was the Head of Investment Banking, Asia Pacific of The Hongkong and Shanghai Banking Corporation Limited and was the Managing Director and Co-Head of Investment Banking, Asia Pacific of Salomon Smith Barney. Dr. Huan has been joining investment banking sector since 1987 and has held senior positions at the Brookings Institution, the Atlantic Council of the U.S., J.P. Morgan & Co., BZW Asia Limited, and Columbia University. Dr. Huan holds a Ph.D. degree from Princeton University, Master of Arts from Columbia University and Master of Arts from the University of Denver.

Dr. LUI King Man, aged 52, was appointed as an Independent Non-Executive Director of the Company in August 2004. Dr. Lui is the Chairman of the Remuneration Committee of the Company and also is the member of the Audit Committee and the Nomination Committee of the Company. Dr. Lui has been a practising Certified Public Accountant in Hong Kong since 1989, and established his accounting firm K.M. LUI & CO in the same year. Before commencing his own practising, Dr. Lui had worked with an international accounting firm and a listed commercial bank. Dr. Lui received the accountancy education in United Kingdom in 1980 and attained professional accountant qualification in 1985. He is a Fellow of The Chartered Association Of Certified Accountants and Associate member of The Hong Kong Society Of Accountants. Dr. Lui obtained an MBA Degree from Heriot-Watt University in 1997 and received a Doctoral Degree in Business Administration from The University of Hull in 2004. Dr. Lui has over 23 years experience in accounting, finance, business acquisition and auditing fields. He has been a consultant of a number of commercial and non-commercial organizations.

Details of directorships of the Directors of the Company in the company which has an interest in the share capital of the Company as disclosed pursuant to the provisions of the Securities and Futures Ordinance are set out in the Directors' Report.

SENIOR MANAGEMENT

Mr. DONG Gang, aged 53, has been the Vice President of the Company since July 2005. He is also the Director of Acme Star Investment Limited, APT Satellite Telewell Limited, Skywork Corporation, Haslett Investments Limited, APT Telecom Services Limited and APT Communication Technology Development (Shenzhen) Company Limited ("APT Shenzhen"), subsidiaries of the Company. He is also the chairman and the general manager of APT Shenzhen. He is also the Director of APT Satellite Telecommunications Limited, a jointly controlled entity between a wholly-owned subsidiary of the Company and one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company. Mr. Dong graduated with a Bachelor's degree in Beijing Post and Telecommunications Institute (presently known as Beijing University of Post and Telecommunications). He is accredited as Senior Engineer. He held the posts as Deputy Director of Microwave Station, Deputy Director of Technical Department, Vice Chief Engineer, and Chief Engineer of Beijing Wireless communication Bureau. He has been appointed as Vice President of China Space Mobile Satellite Telecommunications Company Limited since May 1995. He has plentiful experience in telecommunication operation and management.

Dr. LO Kin Hang, Brian, aged 50, has been the Vice President of the Group since April 2002 and Company Secretary (since October 1996) of the Company. Dr. Lo joined the Company in September 1996 and had been the Assistant to the President from December 1997 to April 2002. Dr. Lo is also the Director of Acme Star Investment Limited, APT Satellite Telewell Limited and Ying Fai Realty (China) Limited, subsidiaries of the Company. He is also the Chief Executive Officer of APT Satellite Telecommunications Limited, a jointly controlled entity between a wholly-owned subsidiary of the Company and one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company. He graduated with an Associateship in Production and Industrial Engineering and an M.Sc. Degree in Information Technology from Hong Kong Polytechnic University, and a MBA Degree from the University of Wales, UK and a Doctorate Degree in Business Administration in University of Hull, UK. He has attained several professional qualifications including Chartered Engineer, Member of the Institute of Electrical Engineers and is a Fellow of the Institute of Chartered Secretaries and Administrators in the United Kingdom and a Fellow of the Hong Kong Institute of Company Secretaries. Prior to joining the Group, he was a Director and senior management executive responsible for financial and investment management and the company secretary of a publicly listed company in Hong Kong. Dr. Lo has about 18 years of experience in corporate and project management.

Mr. CHEN Xun, aged 36, has been the Assistant President of the Company since July 2004. He joined the Company in 2000 and had worked as the Director of Engineering and Technical Operations Department and the Deputy Chief Engineer of the Group. Mr. Chen graduated from the Department of Computer and Telecommunications of Chongqing Institute of Post & Telecommunications and holds a MBA degree from the University of South Australia. He had been working for China Telecommunications Broadcast Satellite Corporation, one of the shareholders of APT Satellite International Company Limited, the substantial shareholder of the Company, from 1992 to 1999 before joining the Group.

SENIOR MANAGEMENT (Continued)

Mr. YANG Qing, aged 43, has been the Assistant President of the Company since July 2004. He joined the Company in 2000. He had worked as the Deputy Director of the Engineering and Technical Operations Department of the Group. Mr. Yang graduated from the Department of Flight Vehicle Engineering of Beijing Institute of Technology in June 1985. During the period from July 1985 to December 1999, he had been working for CALT (China Academy of Launch Vehicle Technology) and was designated as Senior Engineer and the Deputy Director of systems designer of LM-2C launch vehicle by CALT before joining the Group.

