



Newsletter

Vol. 1, No.1, June 2008

Message from the new president



First of all, I personally would like to extend my appreciation to the past President of the ACA, Prof. H. Kimura and the past Steering Committee members for their devotion to laying down a corner stone for the ACA advancement.

As we are aware, the Asian Control Association (ACA) was established in 2006 as an organization which promotes research, development, and applications of control science and technology in Asia, while solidifying the relationship among control people in this region. The establishment has come out as an outcome of the effort made by a group of scholars (leading role made by Prof. W. H. Kwon and Prof. H. Kimura) who had the enthusiasm to bring together control people inside Asia in a coherent manner and thus to provide them with an opportunity to share their ideas and information, on control technology advancement and the collaboration between regions for the future of Asian control community.

During the past two years Prof.

Kimura, the first President, together with the Steering Committee members has made every effort to set a framework for the important activities of the ACA and to operate the ACA in an organized manner.

As a result, operating the Asian Control Conference (ASCC), and publishing the Asian Journal of Control (AJC) are now becoming well established. The ACA, however, has a number of important works to be done in order to move forward toward gaining recognition among Asian control people and their communities. These includes promotion of membership including individuals and organizations, forming strong and friendly human network among Asian control people, establishing collaboration between them for research and education, leading industries to actively involve in the ACA activities, publishing a series of textbooks in control somewhat relevant to the control and automation problems in Asia, developing a course on control and control-related subjects at graduate level for Asian students, and establishing sistership with other professional societies inside Asia.

Due to the situation that the ACA

Message from the new president	1
News from Asian Journal of Control	1
Message from the former president	2
Introduction to ACA organization	2
ACA Wook Hyun Kwon Education Awards	7
List of ACA Steering Committee Members	8
Profiles of ACA Steering Committee Members	9
Brief minutes of ACA Steering Committee meetings	12
Final report of ASCC 2006	14
ACA activity and exhibition	16
ASCC 2009	17

faces now, it desperately needs you to actively participate in sharing your opinions and to be willing to volunteer your services to make the ACA successfully established as well as to make it visible.

We cordially invite you to lead the future of the ACA activities by joining us.

Hyungsuck Cho

News from Asian Journal of Control



Asian Journal of Control starts to collaborate with the new publisher, John Wiley & Sons, since 2008. With the collaboration, the journal publishes from quarterly to bimonthly. Institutions will have complementary online access in 2008 & 2009. For more details, please consult: <http://www.interscience.wiley.com/journal/ASJC>.

Two special issues will be launched soon:

1. Networked Embedded Hybrid Control Systems.
2. Collective Behavior and Control of Multi-Agent Systems.

Hope all the colleagues can be interested in these issues and look forward to further communications in this continually growing field.

Message from the former president



The Asian Control Association (ACA) is an organization for promoting activities on control science and technology in Asia.

It consists of individuals from universities, research institutes and industries who are ready to work together for the prosperity of Asia through research, education and technological advance beyond the national and cultural borders.

Asia is so broad in terms of geographical territory and so diverse in terms of culture, tradition and religion that it is not easy to communicate with each other face to face, even for those who are working in the same area with the same motivation, even with the same purpose. This is a pity because Asian people share many commonalities about which they can discuss and collaborate. The ACA was established to alleviate this difficulty, providing abundant opportunity for discussion and collaboration among Asian control people.

Our activities include operating the Asian Control Conference (ASCC), which is held every two years, and

publishing the Asian Journal of Control (AJC), which is published quarterly. These activities already have well-established projects involving many Asian control people. The ASCC has already been held five times and the AJC has been in publication for 8 years.

In order to facilitate our activities, we have three Vice Presidents; one for conferences who is in charge of organizing the ASCC, one for publicity who is in charge of publishing the AJC and one for education who is in charge of organizing educational activities including publishing textbooks. All three Vice Presidents are eminent people in the Asian control community as you may find in the list of our executive committee.

Thanks to the Korean body, we have an office in Seoul with part time staff. The office is being run by a fund that has been prepared jointly by Korea and Japan. The Korean fund was donated personally by Professor Wook Hyun Kwon, the current President of IFAC, while the Japanese fund came from the profit made by the first ASCC initiated by Professor Shimemura. Thus, we are ready to involve ourselves in a new project beyond the scope of ASCC and AJC.

Now is the time to do something new within Asia, collecting *Asian power*. There are many social, human, and environmental issues for establishing a sustainable society in Asia, to which control science and engineering are very much relevant. As the distinguished international organization of control people in Asia, it is our hope that our association can contribute to solving these issues.

Through the activities of the Asian Control Professors Association (ACPA) for 9 years before the ACA was established, we have now a broad and friendly human network of Asian control people. A human network is very important to cultivate the ground of friendly collaborations. I strongly hope that younger people will join us to enlarge and strengthen the present human network within Asia to facilitate further collaborations, as well as human exchanges.

The ACA will certainly do everything possible to contribute to the promotion of the Asian control community.

Hidenori Kimura

Affiliated organizations of the ACA

The Asian Control Association (ACA) was established in March 2006 for setting the technical standards and advancing the field of automatic control in Asia and Oceania regions by more than 400 professors and experts. At present, three organizations are running to enrich the goals of the ACA as follows:

1. Asian Control Conference

The Asian Control Conference (ASCC) is a biennial event and a major control event held in Asia. ASCCs provide researchers, engineers, and professionals worldwide with excellent opportunities to get together and exchange their findings and views.

The history of ASCC dates back to 1994 when the first ASCC was held in Tokyo. The subsequent conferences then were held in Seoul (1998),

Shanghai (2000), Singapore (2002), Melbourne (2004), and Bali (2006). All of them had hundreds of participants coming from around the world. The seventh ASCC is scheduled to be held in Hong Kong in 2009 (due to that IFAC World Congress will be held in 2008, Seoul). The ACA wishes to a successful ASCC conference.

2. Asian Journal of Control (AJC)

The AJC is the first international journal originating from the Asian Pacific region and being recognized by the major body of control researchers in this region. The AJC has been included in SCI Expanded since 2003. The AJC used to publish quarterly until 2007 but now publishes bimonthly high-quality papers on original theoretical and experimental

research and development in the areas of control, involving all facets of control theory and its application.

3. Asian Control Professor's Association (ACPA)

The ACPA was initiated during the IFAC World Congress in San Francisco in July 1996. The ACPA is an unusual organization as a link of educators in Asia and Oceania created. The purpose of the ACPA is to enhance the progress of systems and control engineering and its education in Asian and Oceania areas through various kinds of collaborations and cooperation among educators of systems and control engineering in the region. The ACPA tries to form a wide human network of educators of Asian and Oceania regions.

Introduction to Asian Control Association

The ACA is an organization to promote control science and engineering in Asia consisting of voluntary individuals who are willing to support its activities. It is a successor of Asian Control Professors Association (ACPA) which was formed in 1996 as an organization of professors in the area of control engineering in Asia and Ocean, which had been a steering body of control communities in the area. Asian Control Conferences were organized with the initiative of ACPA and Asian Journal of Control was published in the name of ACPA.

Around 2004, some arguments were raised to expand ACPA to include industrial people. Also, it was thought to be timely to integrate various activities of Asian control communities in a more coherent framework. At the meeting held during 4th ASCC in Melbourne in July 2004, nine leading people got together from seven countries. They decided to establish a new body of Asian control activities, called the *Asian Control Association* (ACA). They discussed the constitution of the ACA and a draft was figured out. Prof. Kimura who was not there was

elected to be a candidate of President. In July 2005, we got together during the IFAC World Congress in Prague to discuss the constitution in detail and came to the final approval of the constitution. We decided to announce the selection of the members of the Steering Committee (SC) from each country. In February 2006, the selected members of the SC got together in Seoul and had the first SC Meeting. There, Prof. Kimura was formally elected to be the President. The three Vice-Presidents, Prof. Cao from Hong Kong, Prof. Chen from Taiwan and Prof. Won from Korea, were elected, as well as Prof. Hong from Korea as the General Secretary. Prof. Kwon was nominated to be the honorary advisor. This was really the birth of the ACA. There, we discussed various issues required for starting the organization including the secretary office which has been established in Seoul.

The major activities of ACA are (1) organizing ASCCs held every three years, and (2) publishing AJC published quarterly.

In addition to these activities, we have established some awards given at every ASCC. We are thinking of starting a new award for education.

Our primal objective is to create as many occasions to communicate, collaborate and exchange ideas among control people in Asia beyond the geographical, political, traditional, cultural and religious barriers. We have decided to do anything to serve for this purpose. We are planning to organize a course on control theory and applications for graduate students in South Asia. We are planning to publish a series of textbooks in control emphasizing Asian aspects of control. We are planning to propose some collaboration projects among Asian control professors to solve issues in Asian industry and societies. These are the challenges waiting for us.

We emphasize that the ACA is an organization of individuals, not countries, who are willing to volunteer for promoting Asian control community. We cordially invite you to join us.

H. Kimura and W. H. Kwon



Hidenori Kimura received the graduate and the Doctor of Engineering degrees from the University of Tokyo, Tokyo, Japan, in 1965 and 1970, respectively. He was with the Warwick University and Imperial College of Science and Technology with the support by British Council during 1974–1975. In 1988, he moved to the Faculty of Engineering, Osaka University, where he was engaged in research on robust control, modeling and signal processing. In 1995, he moved to the University of Tokyo. In 2001, he was also appointed to be a Team Leader of the Bio-mimetic Control Center, The Institute of Physical and Chemical Research (RIKEN), Nagoya, Japan, which is his current position of research. His current research interests are biological control systems in various levels of organs including brain and cell. He was a Springer Professor of the University of California, Berkeley, in 1996. Dr. Kimura was the recipient of various awards including SICE paper awards from SICE (five times), George Axelby Award from IEEE Control Systems Society, Paper Prize Award from IFAC (twice), Distinguished Member Award from IEEE CSS and so on. He is a member of the Science Council of Japan.



Wook Hyun Kwon received B.S. and M.S. degrees in electrical engineering from Seoul National University in 1966 and 1972, respectively, and a Ph.D. degree from Brown University in 1975. He was a research associate at Brown University (1975–1976), an adjunct assistant professor at the University of Iowa (1976–1977). He has been with Seoul National University since 1977, where he is currently a professor of School of Electrical Engineering and Computer Science. He received the National Academy of Sciences Award in 1997. He is a Fellow of the National Academy of Engineering of Korea (NAEK), a Fellow of the Korean Academy of Sciences and Technology (KAST), a Fellow of IEEE and a Fellow of TWAS (The Academy of Sciences for the Developing World). He received the Brown University Engineering Alumni Medal (BEAM) award for outstanding achievements in 2003 and the Korea Highest Scientist/Engineer Award of Ministry of Science and Technology in 2007. He is now serving the International Federation of Automatic Control (IFAC) as President since July, 2005 and the Korean Academy of Science and Technology (KAST) as Vice-President since March, 2007.

The Constitutions of the Asian Control Association

Article 1 (Name and Purpose)

- (1) The organization is named the Asian Control Association, which is abbreviated as ACA.
- (2) The ACA, through its members, will promote research, development, and applications of control science and control technology.

Article 2 (Non-profit Organization)

- (1) The ACA is a not-for-profit organization. It will not pursue any activity with an explicit purpose of acquiring financial gains.
- (2) The ACA is a scientific and engineering association. It will not engage in political and/or religious issues.

Article 3 (Membership)

- (1) Individuals or organizations who reside in Asia or Oceania and who wish to participate in the activities of the ACA may become members of the ACA.
- (2) Individuals or organizations who wish to become a member should submit a membership application together with at least one endorsement from an existing member of the ACA.

Article 4 (Steering Committee, SC)

- (1) The SC is the supreme body of the ACA.
- (2) It may convene at a regular or an extraordinary meeting.
- (3) A regular meeting of the SC takes place at least once a year, on the initiative of the Executive Board (EB). The time, place and agenda of the regular meeting should be announced to all members of the SC at least one month in advance of the meeting date.
- (4) An extraordinary meeting of the SC may take place at any time decided upon by the EB. The EB is obliged to convene such a meeting upon request of at least one third of the SC membership.
- (5) The SC meeting is valid only if at least half of its membership is present.
- (6) Any SC member who is unable to attend the SC meeting may appoint a proxy, and his or her proxy is entitled to vote for the matters of the SC agenda on behalf of the member.
- (7) Resolutions that do not affect the constitution of the ACA, presented at a SC meeting, become valid when supported by the majority of the SC members present at the meeting where the resolution is voted upon. Resolutions that affect the constitution of the ACA require a two-thirds majority.

Article 5 (Selection of Steering Committee Members)

- (1) The members of the ACA belonging to a particular region/country select their Steering Committee (SC) member(s) from amongst the ACA membership of that country/region. A SC member represents his/her country/region on the SC of the ACA.
- (2) The SC develops the policies of the ACA.
- (3) The number of SC members allocated to each country/region reflects the number of ACA members in that country/region. The actual allocation is reconsidered annually.
- (4) At the end of each term, each SC member recommends his/her successor to the General Secretary, based on the recommendation made by the members of his/her country/region. The particular recommendation procedure followed in each country/region is left to that particular country/region to decide.
- (5) The Executive Board (EB) may investigate the qualification of a recommended SC member in response to the claim by members.

Article 6 (SC Decisions by E-mail)

- (1) If a need arises to make decision quickly, the President may ask the SC members to vote by e-mail. The result of the e-mail vote is regarded as valid subject to the disclosure of the result to every SC member.

Article 7 (Executive Board)

- (1) The Executive Board (EB) consists of the following officers:
 - President
 - Vice President (VP) for Technical Activities
 - Vice President for Publications
 - Vice President for Education
 - General Secretary

(2) The President and the Vice Presidents are elected by the SC members from the SC membership, and the President appoints the General Secretary.

Article 8 (Role of EB)

(1) The EB is responsible for the daily administration of the ACA. It runs all business of the ACA which is not explicitly reserved for the SC.

(2) It can organize various activities including research meetings, educational courses, industrial exhibitions, lectures and so on. The activities must be approved by the SC.

(3) The EB is responsible for the financial matters. When necessary, it may let itself be guided by an accountant or legal council.

Article 9 (President)

(1) The President, or acting President, acts as the representative of the ACA. The President calls the EB meetings and the SC meetings.

Article 10 (VP for Technical Activities)

(1) The Vice President for Technical Activities is responsible for the organization of the Asian Control Conference (ASCC) and other conferences, symposia and workshops held under the auspices of the ACA.

Article 11 (VP for Publications)

(1) The Vice President for Publications is responsible for the publication of the Asian Journal of Control, and other publication activities that are affiliated with the ACA.

Article 12 (VP for Education)

(1) The Vice President for Education is responsible for the activities of the Asian Control Professors Association, and other educational activities under the umbrella of the ACA.

Article 13 (General Secretary)

(1) The General Secretary is responsible for all general administrative issues including the finances of the ACA. The General Secretary is responsible for running the secretariat office of the ACA. He or she is responsible for the preparation of the papers for the EB and SC meetings.

Article 14 (Terms of EB and SC Members)

(1) The office term of the President, Vice-President and General Secretary and any member of the SC is 2 years.

(2) The Vice-President may serve for two consecutive terms.

(3) The General Secretary may serve for three consecutive terms.

(4) Any ordinary SC member may serve for two consecutive terms.

Article 15 (Technical Committees)

(1) Members of the ACA can propose to organize technical committees under the umbrella of the ACA in order to promote the activities of the ACA. Written proposals to establish a technical committee should be submitted to the SC for evaluation. Subject to the approval of the SC, the ACA can provide financial support to the technical committee.

Article 16 (Advisory Committee)

(1) The President appoints the members of the Advisory Committee (AC) as necessary. The AC members can attend SC and EB meetings as observers and provide advice concerning the activities of the ACA.

Article 17 (Technical Meeting)

(1) Members of the ACA can propose a technical meeting related to control science and technology under the umbrella of the ACA. Subject to the approval of the SC, the ACA can provide financial support to the technical meeting. The responsibilities for all technical meetings fall under the office of the Vice President for Technical Activities.

Article 18 (Financial Resources)

(1) The financial resources of the Association consist of the following:

- Donations from individuals and organizations
- Subsidies from the government
- Payments for services provided by the ACA
- All income allowed by law

Article 19 (Compensation)

(1) Members of the ACA do not receive any payments for their activities on behalf of the ACA. They may, however, be reimbursed for expenses incurred by activities on behalf of the ACA, subject to agreement by the EB.

Article 20 (Internal Regulations)

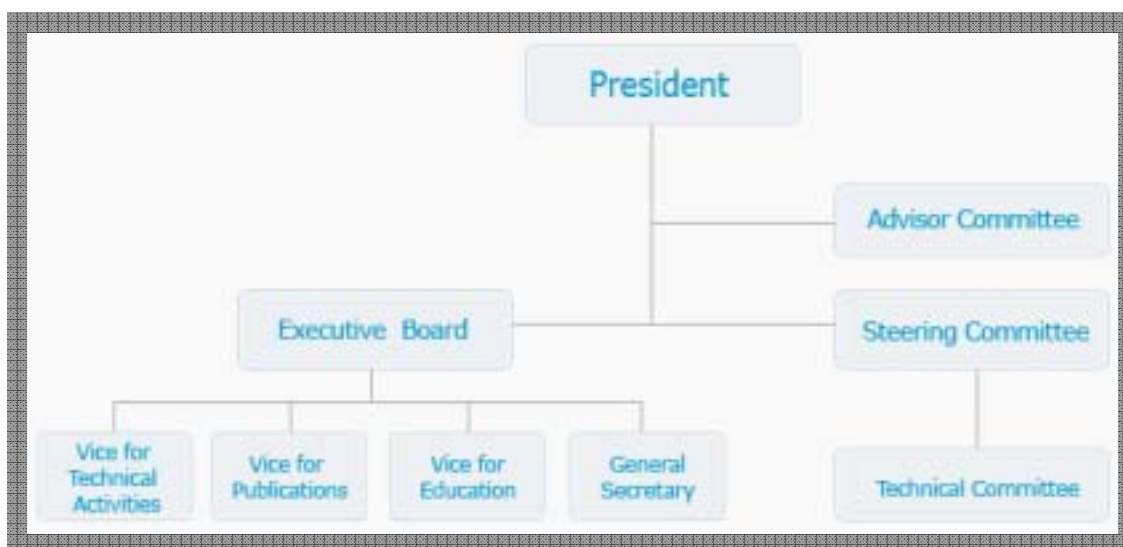
(1) The EB may define the appropriate internal regulations that govern the ACA's operations.

Article 21 (Change of the Constitution)

(1) The ACA can change its constitution at an SC meeting, where more than half of the SC members are present and with the support of a two-thirds majority of the members present.

(2) Proposals for changes of the constitution will be disseminated at least one month before the SC meeting where they will be discussed.

ACA structure



How to participate in ACA membership:

- (1) Individuals or organizations who reside in Asia or Oceania and who wish to participate in the activities of the ACA may become a member of the ACA
- (2) Individuals or organizations who wish to become a member should submit a membership application form together with at least one endorsement from an existing member of the ACA.

You can apply for the membership of ACA either electronically at the web site, <http://www.asia-control.org>, or send the completed application form to the following address by fax or postal mail:

Address: Secretariate of the ACA, Asian Control Association, Bucheon Techno Park 401-1506, 193, Yakdae-dong, Wonmi-gu, Bucheon, Gyeonggi-do 420-734, Korea. Tel: +82-32-234-5805; Fax: +82-32-234-5807; E-mail: aca@asia-control.org

ACA Wook Hyun Kwon Education Award

The ACA Wook Hyun Kwon Education Award for the year 2007 went to **Prof. Etsujiro Shimemura** from Japan Advanced Institute of Science and Technology and to **Prof. Chang Chieh Hang** from Department of Electrical and Computer Engineering, National University of Singapore. The award was given on September 18, 2007 during the SICE 2007 in Shikoku, Japan.



The aim of this control education award, named the ACA Wook Hyun Kwon Education Award, is to honour outstanding contributions to the education in control theory and applications in the Asia-Oceania region made by a single individual or group. These contributions can be expressed in terms of the impact in the society at large, the engineering profession, control industry and/or in the university arena.

The award is not intended to honour in the first instance scholarly contributions to the theory of control engineering education, although this can be an important contribution. Rather the award is for excellence in practicing control and systems

engineering education.

Excellence in control education can be established along the lines of:

- The influence on Ph.D. students, and quality of contributions made by the produced Ph.D. students;
- The impact and influence of text books for undergraduate and/or graduate courses;
- The creation or introduction of new teaching methods;
- The impact of a whole oeuvre in educating a generation of students;
- The impact of teaching methodology in control engineering practice.

According to the ACA SC meeting on March 22, 2008, the name of the award has been changed from the former ACA Education Award to ACA

Wook Hyun Kwon Education Award.

The name of the committee also has been changed from ACA Education Award Committee to ACA Education Award Committee.

Committee members

Chair, Prof. Xiren Cao (Hong Kong)
 Prof. Pham Thuong Cat (Vietnam)
 Prof. Jae Weon Choi (Korea)
 Prof. Nguyen Tang Cuong (Vietnam)
 Prof. Shuzhi Ge (Singapore)
 Prof. Tzue-Hseng S. Li (Taiwan)
 Prof. Iven Mareels (Australia)
 Prof. Yasuchika Mori (Japan)
 Prof. Yuping Tian (China)
 Prof. Qianchuan Zhao (China)



< Prof. Shimemura receiving the plaque >

List of ACA Steering Committee Members

(1st Term, 2006-2007)

Name	Country	E-mail
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ACA Advisory Committee Members

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(2nd Term, 2008-2009)

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ACA Advisory Committee Members

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Kimura, Hidenori	Japan	kimura@bmc.riken.jp



上海交通大学

Asian Control Forum



The third Asian Control Forum (ACF) was held on March 21, 2008 at Shanghai Jiao Tong University. It was collaboration between Asian Control Association, Shanghai Jiao Tong University, and Shanghai Association of Automation.

The theme for the forum was *System Control and Network*. The forum was composed by several programs including seminar given by invited speakers and also visitation to the Department of Automation at Shanghai Jiao Tong University.

The first ACF was held in Seoul, Feb. 23, 2006, under the theme of "Future Trends in Control Technology," and the second in Hong Kong, Jan. 11-14, 2007, under the theme of "The Frontier of Modern Control Theory and Applications."

Profiles of ACA Steering Committee Members



Hyungsuck Cho received his B.S. degree from Seoul National University, Korea in 1971, his M.S. degree from Northwestern University in 1973, Evanston, USA and his Ph.D. degree from the University of California at Berkeley, USA in 1977. Since 1978 he has been a professor with Department of Production Engineering, and currently with Department of Mechanical Engineering, Korea Advanced Institute of Science and Technology (KAIST), Korea. He founded "International Journal of Optomechatronics" published by T&F Group and serves as its Editor-in-Chief, having been on editorial boards of 6 international journals including IEEE, Tr. Industrial Electronics, Robotica, Control Engineering Practice (IFAC). He now serves as General Chair of IFAC World Congress 2008. In addition to these academic activities, he has contributed/contributes to the international professional communities through a number of services, including ACA, IFAC and IMECO. In recognition of his achievements in the fields of optomechatronic technology, robotics, and control & automation, he was endowed with POSCO Chair Professor from 1995 to 2002. He was awarded Thatcher Bros Prize from Institution of Mechanical Engineers, UK (1998). He also received the fellowship of the Alexander von Humboldt of Germany (1984).



Xi-Ren Cao received the M.S. and Ph.D. degrees from Harvard University, in 1981 and 1984, respectively, where he was a research fellow from 1984 to 1986. He then worked as a principal and consultant engineer/engineering manager at Digital Equipment

Corporation, U.S.A., until October 1993. Since then, he is a Professor of the Hong Kong University of Science and Technology (HKUST), Hong Kong, China. He received the Outstanding Transactions Paper Award from the IEEE Control System Society in 1987 and the Outstanding Publication Award from the Institution of Management Science in 1990. He is a Fellow of IEEE, Chairman of the IEEE Fellow Evaluation Committee of the IEEE Control Systems Society, Editor-in-Chief of Discrete Event Dynamic Systems: Theory and Applications, Associate Editor at Large of IEEE Transactions of Automatic Control, member of the Board of Governors of IEEE Control Systems Society, member of IFAC Technical Board, and chairman of IFAC Coordinating Committee on Systems and Signals. His current research areas include discrete event dynamic systems, stochastic learning and optimization theory, performance analysis of communication systems, and signal processing.



Li-Chen Fu received the B.S. degree from National Taiwan University, Taiwan, R.O.C., in 1981, and the M.S. and Ph.D. degrees from the University of California, Berkeley, in 1985 and 1987, respectively. Since 1987, he has been a member of the faculty, and is currently a Distinguished Professor in the Department of Electrical Engineering and Department of Computer Science and Information Engineering, National Taiwan University, where he is also currently the Secretary General of the University. Professor Fu currently serves as Editor-in-Chief of *Asian Journal of Control* and has been invited to serve as Distinguished Lecturer of IEEE Robotics and Automation Society (2004-2005&2007). He has received numerous academic recognitions, such as Irving T. Ho Chair Professorship

(2007~2009) and IEEE Fellow (2004). His research interests include nonlinear control, adaptive control, visual tracking and servo, magnetic levitated system control, mechatronics, robotics theory and applications, automation & scheduling of production system, home automation and e-commerce.



Sangchul Won received the B.S. and M.S. degrees in Electrical Engineering from Seoul National University in 1974 and 1976, respectively, and the Ph. D. degree in Electrical Engineering from the University of Iowa in 1985. Dr. Won is now Professor in Electrical Engineering Department, Pohang University of Science and Technology, Korea. Dr. Won serves as a Chairman of IFAC MMM Technical Committee and Vice President of Asian Control Association and as an Associate Editor for IEEE Transactions on Industrial Electronics. His research interest include dynamic system modeling and simulation, steel making process control and automation, robot control, time delay system, and linear and nonlinear control system.



Keum-Shik Hong received the B.S. degree in mechanical design and production engineering from Seoul National University in 1979, the M.S. degree in mechanical engineering from Columbia University, New York, in 1987, and both the M.S. degree in applied mathematics and the Ph.D. degree in mechanical engineering from the University of Illinois at Urbana-Champaign in 1991. Dr. Hong is now Professor in the School of Mechanical Engineering at Pusan National University, Korea. Dr. Hong served as an Associate Editor for *Automatica* (2000-2006) and as an Editor for the

International Journal of Control, Automation, and Systems (2003-2005) and is serving as Editor-in-Chief of the *Journal of Mechanical Science and Technology*. His research interests include nonlinear systems theory, adaptive control, distributed parameter system control, robotics, and vehicle control.



David Banjerdpongchai received B.Eng. degree from Chulalongkorn University, in 1990, and M.S. and Ph.D. degrees from Stanford

University, in 1993 and 1997, respectively, all in Electrical Engineering. He has been a teaching staff at the Department of Electrical Engineering, Faculty of Engineering, Chulalongkorn University, since 1991 and currently serves as a coordinator of Control Systems Research Laboratory. His research interest includes analysis and design of robust control systems, convex optimization in control applications such as flexible robot arm, distillation column, belt conveyor, power systems, and block-process. He is a senior member of IEEE.



Han-Fu Chen joined the Institute of Mathematics, Chinese Academy of Sciences in 1961 after his graduation from the Leningrad (St. Petersburg)

University. Since 1979 he has been with the Institute of Systems Science, which now is a part of the Academy of Mathematics and Systems Science, Chinese Academy of Sciences. He is a Professor of the Laboratory of Systems and Control of the Institute. His research interests are mainly in stochastic systems, including system identification, adaptive control, and stochastic approximation and its applications to systems, control, and signal processing. He authored and coauthored more than 170 journal papers and 7 books. He was elected to

a Member of the Chinese Academy of Sciences in 1993, to an IEEE Fellow in 1996, to TWAS (Academy of Sciences for Developing Countries) in 2005, and to an IFAC Fellow in 2006. He served as the Director of the Institute of Systems Science (1995-1998), as the President of the Chinese Association of Automation (1993-2002), on the IFAC Technical Board (1993-2002), as a Council Member of IFAC (2002-2005).



Akira Sano received the B.E., M.E., and Ph.D. degrees in mathematical engineering and information

physics from The University of Tokyo, in 1966, 1968, and 1971, respectively. He is currently a Professor Department of System Design Engineering, Keio University. He was a Visiting Research Fellow at the University of Salford, Salford, UK, from 1977 to 1978. His research interests include adaptive modeling and design theory in control, signal processing, and applications to control of sounds and vibrations, mechanical systems, and mobile communication systems. He received the Kelvin Premium from the Institute of Electrical Engineering in 1986. He is a Fellow of the Society of Instrument and Control Engineers and is a Member of the Institute of Electrical Engineering of Japan and the Institute of Electronics, Information, and Communications Engineers of Japan. He served as Chair of IFAC Technical Committee on Modeling and Control of Environmental Systems from 1996 to 2001. He has also been Vice Chair of IFAC Technical Committee on Adaptive Control and Learning since 1999 and has been Chair of the IFAC Technical Committee on Adaptive and Learning Systems since 2002



Iven Mareels obtained the Master of Electromechanical Engineering from Gent University, Belgium in 1982

and the PhD in Systems Engineering from the Australian National University, Canberra, Australia in 1987. On 15 July 2007, he took up the position of Dean of the Melbourne School of Engineering. From 1996 till Dec 2007, he was a co-editor in chief, together with Prof. A. Antoulas for the international Journal Systems & Control Letters. Iven Mareels will become the chair of the Technical Board of the International Federation of Automatic Control for the 2008-2011 triennium. He is also on the ACA Steering Committee. Iven Mareels received the Vice-Chancellor's Award for Excellence in Teaching in 1994 from the Australian National University. He was recognised as Distinguished Lecturer by the IEEE Control Systems Society 2005. In 2007 he received the inaugural Knowledge Transfer Excellence Award from the University of Melbourne. In 2008 he received the Clunies Ross Award from the Academy of technological Sciences and Engineering, for his work in the area of Water Information Networks. Iven Mareels has published 3 research monographs, in excess of 100 journal papers and over 200 conference contributions.



Tong Heng Lee received the B.A. degree with First Class Honours in the Engineering Tripos from Cambridge

University, England, in 1980; and the Ph.D. degree from Yale University in 1987. He is a Professor in the Department of Electrical and Computer Engineering at the National University of Singapore. Dr. Lee's research interests are in the areas of adaptive systems, knowledge-based control, intelligent mechatronics and computational intelligence. He currently holds Associate Editor appointments in the IEEE Transactions in Systems, Man and Cybernetics; IEEE Transactions in Industrial Electronics; Control Engineering Practice (an IFAC journal); the International Journal of

Systems Science (Taylor and Francis, London); and Mechatronics journal (Oxford, Pergamon Press). Dr. Lee was a recipient of the Cambridge University Charles Baker Prize in Engineering, and the 2004 ASCC (Melbourne) Best Industrial Control Application Paper Prize. He has also co-authored three research monographs, and holds four patents (two of which are in the technology area of adaptive systems, and the other two are in the area of intelligent mechatronics).



Harijono A. Tjokronegoro received the B.S. degree (Engineer) in Engineering Physics from Institut Teknologi Bandung, Indonesia in 1977

and both the Diplome d'Etude Approfondie (M.Sc.) degree and the Doteur de l'Institut Polytechnique de Grenoble (Ph.D.) degree on Automatic Control and Signal Processing from Institut Polytechnique de Grenoble, France in 1987 and 1990, respectively. Dr. Harijono is now a Senior Professor at Faculty of Industrial Engineering, Institut Teknologi Bandung, Indonesia. He serves as the Chairman of the Board of Professors of Institut Teknologi Bandung and also the President of Instrumentation Society of Indonesia. In recognition of his work, he was awarded as Senior Professional Engineer by Engineers Society of Indonesia in 1998. Dr. Harijono is a member of Professional Engineers Commission of Engineering Physics, an active member of The Asia-Pacific Federation of Instrumentation and Control Societies (APFICS). He is also the member of IEEE, ISA and AIAA. His research interest includes adaptive control and signal processing.



Kenko Uchida was graduated from Waseda University, Tokyo Japan and obtained Dr. Eng. degree from Waseda

University, in 1971 and 1976, respectively. He is currently a professor in Electrical Engineering and Bioscience, Waseda University. His research interests are in robust/optimization control and control problems in Biology. He was an AvH research fellow in Technical University of Munich from 1982 to 1983. He was/is a member of editorial board of Automatica/Asian Journal of Control. He is a member of SICE, ISCIE, IEEJ and IEEE.



Ljubo Vlacic received the Graduate Diploma in Electrical Engineering from the University of Sarajevo, Socialist Federal Republic

of Yugoslavia, in 1973, and the MPhil and PhD degrees in Control Systems from the University of Sarajevo, in 1976 and 1986, respectively. His career has included a number of positions with both industry and academia. Currently, he is Professor and Founding Director of the Intelligent Control Systems Laboratory (ICSL), Griffith University, Brisbane, Australia. In recognition of his work in the advancement of Control Systems and their applications, Professor Vlacic received the 2004 IEE Achievement Medal (an international award provided by the IEE Knowledge Board, UK), the 2004 Sir Lionel Hooke Award (one of the highest awards bestowed by the IEE Australia); and along with his ICSL research group, the 2000 Engineering Project Excellence Award, Engineers Australia Queensland. Professor Vlacic was named the 2003 Queensland Professional Engineer of the Year by the Queensland Division of Engineers Australia. Currently, he is the Editor-in-Chief of the IFAC Control Resources and also serves as Editor of the Journal of Intelligent and Robotic Systems, the IEEE Transactions on Intelligent Transportation Systems and the IEEE – CSS Conference Editorial Board.



Yugeng Xi graduated from Harbin University of Engineering in 1968. From 1979 to 1984 he visited the Technical University

Munich, Germany, where he received the Dr.-ng. degree in 1984. Since then, he has been with the Department of Automation, Shanghai Jiao Tong University, served as Department Head and the Dean of the School of Electronics and Information from 1997 to 2001, and now is a professor of the Department. Professor Xi was the Vice Chair of IFAC TC Large Scale Systems from 1996 to 1999, the Chair of ACPA (Asian Control Professor Association) from 2001 to 2002, and is currently the Vice President of Chinese Association of Automation, the President of Shanghai Association of Automation and the editor, associate editor or editorial board member of 12 academic journals. His main research areas include predictive control, large scale and complex systems and intelligent robotic systems.



Nguyen Ngoc San received the B.Engg. degree from Electronics & Telecommunication, Faculty of Bucharesti Polytechnics Univer-

sity, Romania in 1972. From 1985 to 1994 he was with Radio Physics and Electronics Institute, University of Calcutta, India for his M.Tech degree, Ph.D and Post-doctoral researches. He was awarded D.Sc (Engg.) degree of Jadavpur University, Calcutta, India in 1995 and awarded Associate Professor title by Govt. of Vietnam in 2005. His credits are over 50 published research papers, 4 printed books and are supervisor of 9 Ph.D., of more than 20 M.Eng students. He is an Associate Editor, Journal of Science and Technology, Vietnamese Academy of Science and Technology and is Dean of Faculty for International and Post Graduate Studies, Post and Telecommunication Institute of Technology.

Brief Minutes of ACA Steering Committee Meetings

(For details, www.asia-control.org is referred.)

< Steering Committee #1 >

Date: Feb. 24, 2006 (Friday)

Place: Hoam Faculty House, Seoul National Univ., Seoul, Korea.

Participants: H. Kimura, K. Uchida, H. Cho, S. C. Won, L.-C. Fu, W. K. Ho, H. A. Tjokronegoro, W. H. Kwon, L. Qiu, K.-S. Hong, J.-B. Song (total 11).

(1) Presidency of ACA

Brief History: In Melbourne, Prof. Hidenori Kimura was informally elected as President of the ACA. The constitution was approved at the meeting in Praha (July 2005).

President Election: Prof. Kimura was nominated from the committee. By the constitution, Prof. Kimura was formally elected as the first President of the ACA for two years.

VP Election: Three Vice-Presidents were elected (VP for Publications, Prof. Li-Chen Fu; VP for Education, Prof. Xiren Cao; VP for Technical Activities, Prof. S. C. Won).

General Secretary: Keum-Shik Hong.

(2) Office and Budget issues

Office and Budget: For running the office of the ACA, General Secretary was asked to open an independent bank account for the ACA, to hire a part-time staff, and to prepare an office. The following two financial sources were committed: Korea (ACPA, 43,750,791 Korean Won, roughly 43,000 US\$), Japan (from the 1st ASCC, about 2.3 million Japanese Yen).

Plan: The only income to the ACA would be the fees through ASCCs. Investigating other institutions, the fee of IEEE conferences to the IEEE head office ranges 5 - 15% of the total registration fees. When the fee is 5 %, the entire surplus is supposed to go the IEEE head office. Hence, the SC needs to determine the fee of ASCC to ACA before the coming ASCC in Indonesia.

(3) Preparation of ASCC 2006 in Indonesia (July 18-21, 2006)

Award Committee: VP for Technical Activities is responsible to form a committee and criteria for Shimemura Young Author Award. VP for Publication is responsible to form a committee for the best paper award in Asian Control Journal. VP for Education is responsible to form a committee for control education award.

(4) ASCC 2009: Prof. Li Qiu (Hong Kong) proposed ASCC2009. Hong Kong was tentatively decided. The detailed contents regarding the ACA fee will be decided in the next meeting.



< The first ACA SC meeting on February 24, 2007 >

< Steering Committee #2 >

Date: July 19, 2006 (Wednesday) 12:00 - 17:00.

Place: Bali Hai Super Club, Inna Grand Bali Beach Hotel Tower, 10th floor, Bali, Indonesia.

Participants: H. Kimura, W. H. Kwon, S. C. Won, L.-C. Fu, H. Tjokronegoro, K. Uchida, Li Qiu, K. S. Hong (8 people); Observers: R. Bambang, Y. Y. Nazaruddin, D. Kurniadi (3 people).

(1) www.asia-control.org has been approved as a website address of the ACA.

(2) As copy-words of the ACA, "Leading in Control, Automation and Systems" was eventually selected.

(3) The current ACA logo was adopted.

(4) Overview of ASCC 2006: Prof. Harijono reported that 157 papers were presented and 19 papers were posted. The country-wise participants were Korea 31, Indonesia 29, Taiwan 21, Japan 12, Check Rep. 12, Russia 6, Australia 6, China 6, France 5, and so on.

(5) ASCC 2009 in Hong Kong (Prof. Li Qiu has reported): The venue will be announced later, July 2009 is tentatively

decided, other factors of CDC 2009.

(6) Agenda from AJC: The total number of paper submissions is increasing (169 in 2004, 262 in 2005). The impact factor of AJC in 2006 is 0.466. The best paper of the years 2004 & 2005 is "Robust two-degree-of-freedom control of an atomic force microscope" by G. Schiter, A. Stemmer, and F. Allgower, vol. 6, no. 2, pp.156-163, 2004. This award was given at the banquet of ASCC06.

(7) ASCC 2011: Prof. Fu presented their desire to host ASCC2011 in Taipei. The venue of ASCC2011 has not been decided during the SC meeting on July 19, 2006. Further proposals were solicited. The dead line for the submission of a proposal of ASCC2011 was August 30, 2006. In determining the venue of ASCC2011, a financial contribution from the surplus of ASCC2011 to ACA can become an important factor.

(8) Expanding ACA in Asia and Oceania: More participants from Vietnam, Malaysia, Philippine, New Zealand, etc., are solicited.

< Steering Committee #3 >

Date: January 12, 2007 (Friday) 13:30-14:50 and
January 13, 2007 (Saturday) 9:00 - end.

Place: Council Chamber, The Hong Kong University of
Science and Technology, Hong Kong.

Participants: H. Kimura, W. H. Kwon, H. F. Chen, X. Cao,
S. C. Won, L.-C. Fu, H. S. Cho, W. K. Ho, H. A.
Tjokronegoro, K. Uchida, Y. Xi, K. S. Hong (total 12
persons); Observer(s): L. Qiu (1 person).

(1) ASCC 2009 in Hong Kong: Prof. L. Qiu has presented
(see ACA website).

(2) ASCC 2011: Prof. L.-C. Fu has proposed the ASCC
2011 in Taiwan.

(3) ACA Education Committee and Prize: The name of the
committee has been changed to ACA Education Award
Committee (short name ACA EAC, Chair: Prof. Cao).
The name of the award is ACA Wook Hyun Kwon
Education Award. Time and place for award in 2007 are Sep.
17-20, 2007 SICE, Shikoku, Japan. The responsibility of
ASCC Young Author Award is given to ASCC Organizing
Chair under the supervision of Prof. Cao.

(4) ACA ExCon 2007: An exhibition during Oct. 9-13 at
KINTEX was basically approved. General Secretary is in
charge (more than 20 booths). For the workshop, Vice-
President of ACA Prof. Won is in charge. Workshop
lecturers from the ACA members may be possible. They

will serve voluntarily without honorarium. Only
accommodation is provided.

(5) Asian Center for International Standards Establishment
was discussed. It is a very big project. Principally
agreed. But need to specify the area, for example, robot
standardization. ACA cannot dominate standardization but
recommend to take initiative.

(6) ASCC Paper Management System: The ACA
encourages to use the paper management system developed
by the ICROS. After a careful investigation by General
Chair of the ASCC, the paper management system may be
selected for ASCC 2009. If this is the case, it should be used
continuously in the future ASCC. By using it, the ACA will
have financial benefits.

(7) The CEMTool: Free of charge for students. When any
one develops a tool box (application S/W), a part of the
profit goes to authors and the ACA. The Control Education
Course Development for South East Asian students: Prof.
Harijono will submit a new proposal by Feb. 10. If it is
approved, Prof. Kimura will ask financial aids from the
IFAC. The courses will use the CEMTool. Instructors
serve voluntarily. Prof. Kimura and Prof. Kwon will be
responsible to recommend one instructor each. The ACA
will support to use of the CEMTool, if its quality is proved.

< Steering Committee #4 >

Date: March 21, 2008 (Friday) 9:30-12:00am (continued on
Saturday morning).

Place: Room 406, Building 2, SEIEE, Shanghai Jia Tong
University, Shanghai, China.

Participants: H. Kimura, W. H. Kwon, H. Cho, S.-C. Won,
L.-C. Fu, X.-R. Cao, H.-F. Chen, K. Uchida, Y. Xi, A.
Sano, T.-H. Lee, N. N. San, K.-S. Hong (total 13
persons).

(1) According to the Constitution of the ACA, the term of
Presidency expired at the end of January 2008. A new
President, Prof. Hyungsuck Cho as the second President of
the ACA, was elected (term of office 2008-2009). Prof.
Kimura has become a member of the Advisory Committee
of the ACA.

(2) Three new SC members were appointed: Prof. Sano
Akira (Japan, replacing Prof. Kimura), Prof. Tong Heng Lee
(Singapore, replacing Prof. Weng K. Ho), Prof. Nguyen
Ngoc San (Vietnam).

(3) The ASCC 2009 was presented by Prof. Qiu (General
Chair). Dates: Aug 27-29 (Thursday-Saturday), 2009.
Venue: Hong Kong Exhibition and Convention Center
(HKECE). Expected participants are 500 registrations. ACA
donation: 5 % of the registration fees. Note: ICCAS-SICE
2009 has been arranged to Aug 17-20, 2009, Fukuoka, Japan.

(4) ASCC 2011 was briefly introduced by Prof. Fu. ASCC
2011 and their national conference will be held together.
The organizing body will be finalized in June, 2008. Date:
Early September, 2011 (can be changed). Venue & General
Chair will be announced in the next SC meeting.



< The 4th SC meeting in Shanghai, Mar. 21, 2008 >

< Steering Committee #5 >

Date: July 9 (Wed), 2008 12:30-16:30 pm (Lunch will be provided).

Place: Room 204, 2nd Floor, COEX.

Participants: Any prospective SC members as well as all current SC members are cordially invited.

Final Report of ASCC 2006



Harijono A. Tjokronegoro.
General Chair of the ASCC 2006.

It was our great honor to host the ASCC 2006, the 6th Asian Control Conference, Wednesday-Friday, July 18-21, 2006 at Inna Grand Bali Beach Hotel, Bali, Indonesia. The 6th Asian Control Conference was organized by the Institut Teknologi Bandung, Indonesia. Asian Control Conference (ASCC) is a prestigious biannual scientific meeting in Asia, particularly in control theory and technology. The scope of the conference is very broad, covering all fields on automatic control, its technology and applications. It provides engineers, researchers, and scientists from all over the world a scientific forum to exchange research results and innovative development in this relevant area. This meeting is one of the regular activities of the Asian Control Association (ACA). The history of the conference dates back to 1994 when the first ASCC was held in Tokyo. The subsequent conferences then were held in Seoul (1988), Shanghai (2000), Singapore (2002), and Melbourne (2004), all of them had hundreds of participants coming from around the world.

Members of the honorary advisory board of the conference were senior well known professors in the region: H. Kimura (Japan), C.C. Hang (Singapore), W.H. Kwon (Korea), Y. Xi (China), and I.Y.M. Mareels (Australia), who serve scientific guarantee for the quality of the ASCC 2006. Bali has been chosen by Institut Teknologi Bandung to host the conference to offer all of the unique features of the famous Heaven Island of Indonesia to all participant of the conference.

Among the programs of the ASCC 2006 were scientific seminars & posters, scientific workshops, cultural programs, gala dinner and welcoming & farewell parties. The ASCC 2006

has received papers from researchers and practitioners from universities, research centers, and industries from more than 30 countries around the world. In addition to the parallel seminar sessions, scientific posters and workshops, the conference presented plenary keynotes given by well known persons in the field. We were honored to have had six excellent keynotes:

1. *Control in Information Rich World*, given by Professor R. Murray from California Institute of Technology, USA.
2. *Control of Mechatronics Systems*, given by M. Tomizuka from University of California, Berkeley, USA
3. *Control and Signal Processing in Biological Systems*, given by Professor B. K. Ghosh from Washington University, USA
4. *Feedback Control Applications in Quantum Systems*, given by Professor K. Jacobs from Griffith University, Australia
5. *Micro-Nano Electromechanical Systems and Their Control*, given by Professor M. Eshashi from Tohoku University, Japan
6. *Networked Control*, given by Professor G.C. Goodwin (in DVD) from University of Newcastle, Australia.

The ASCC 2006 had the following 2 awards:

- Shimemura Young Author Prize consists of a certificate and a monetary award of US\$250. Contributions with the first author under age 35 on 18th July 2006 are eligible. The criteria for the award are high technical quality and a good presentation of the papers.
- Best Poster Paper Prize consists of a certificate and a monetary award of US\$250.

The criteria are high technical quality and a good presentation of the poster papers. For ASCC 2006, the finalists for each award were selected based on the review outcomes. All the papers of the finalists were further evaluated and their presentations attended by the respective award selection committee members. At the conference farewell party held on 21 July 2006 at

swimming pool side, the Inna Grand Bali Beach Hotel, the winners of awards were announced by Prof. Sanchul Won, the chair of the selection committee, and the certificates including the monetary awards were presented by the general chair of ASCC 2006.

They were for Shimemura Young Author Prize:

1. **Veerachai Malyavej**, from the Department of Control and Instrumentation, Mahanakorn University of Technology, Bangkok, Thailand (with co-authors: Andrey V. Savkin from School of Electrical Engineering and Telecommunications, University of New South Wales, Sydney, Australia), for the paper entitled "Robust Control of Uncertain Systems via Limited Capacity Communication Channels"
2. **Yoshiyuki Noda**, from Department of Production Systems Engineering, Toyohashi University of Technology, Japan (with co-author: Kazuhiko Terashima from Department of Production Systems Engineering, Toyohashi University of Technology), for the paper entitled "Sloshing Suppression Control by Using Time-varying Notch Filter in Liquid Container Transfer with Dynamic Tilting".

And the winner for Best Poster Paper Prize is "Optimal Approach to Shape Parameter control" by Angelo Cenedese and Allesandro Beghi, University of Padova, Italy.

ASCC 2006 received more than 250 submitted papers for review from 30 countries, of which 195 are accepted, 28 are students. Finally 157 papers and 19 posters are registered and presented. The distributions of registered papers and posters are as follows: Korea (31), Indonesia (29), Taiwan (21), Japan (12), Czech Republic (12), Malaysia (10), Russia (7), Australia (6), China (5), France (5), Germany (5), Singapore (4), Spain (3), United State (3), Italy (2), Norway (2), Poland (2), Serbia (2), Slovenia (2), Mongolia (1), Thailand (1), Romania (1), Bulgaria (1), Canada (1), India (1), Portugal (1), Netherlands (1), Sweden (1), Turkey (1) and UK (1).

ASCC 2006 also organized 2 days pre-conference workshop, entitled "Plant Performance Optimization", attended by 16 peoples. The lecturers of the workshop were Arief Syaichu-Rohman (Institut Teknologi Bandung), Andimarjoko Prihartomo (Conoco Philips), Bambang Riyanto (Institut Teknologi Bandung), Edi Leksono (Institut Teknologi Bandung), Endra Joelianto (Ins titut Teknologi Bandung), Yogie Kusumah Nugraha (Scada Prima Cipta), Yul Yunazwin Nazaruddin (Institut Teknologi

Bandung).

Among the delegates were K H Kwon, IFAC president and H Kimura, ACA president. I would like to take this opportunity to express my sincere gratitude to all the participants for their contributions; to the Honorary Advisory Board, International Program Committees Members and reviewers for their high value advises and contributions; to organizing committee, the secretariat, and special thanks to my students for their hard work, support and enthusiasm which

have made this conference successful. My special sincere gratitude however to be addressed to the Excellency Ministry of Culture and Tourism for the offer of extraordinary gala dinner and the classical Bali dances performance at Garuda Wisjnu Kencana (GWK) Bali Cultural Center and to the Excellency Vice Governor of Bali for his offer of the beautiful culture performance at farewell party.

I hope that the ASCC 2006 has been enjoyable, fruitful and rewarding to all the participants

Photo Gallery from ASCC 2006



< Garuda Wisnu Kencana and traditional dance performance >



< Award ceremony for 2004/2005 Best AJC Paper Award >

ACA Activity and Exhibition

The Asian Control Automation Conference and Exhibition (ACE) 2007

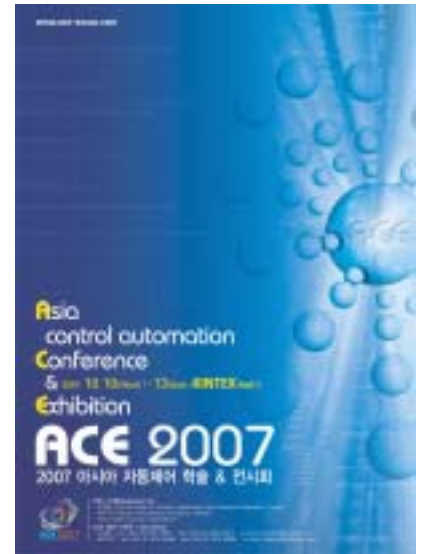
The ACE 2007 was held on October 10-13, 2007 at KINTEX Hall, Korea. It was collaborations between Institute of Control, Robotics and Systems (ICROS) Korea, Korea International Exhibition Center (KINTEX) and Asian Control Association (ACA), and supported by Small and Medium Business Administration, GyeongGi-do, Korea.

The concept of the ACE 2007 is a fused conference together with exhibition. ACE 2007 provides a place where the renowned professors and researchers in control and automation areas transfers their achievements to the industries through the “Research and Development Pavilion”, in order to promotes the interchanges between industry and educational/research institutions. Various seminars were also arranged in parallel in the exhibition hall, so that the exhibitors and visitors were able to get more convergent and accurate information within the industry.

The exhibition was attended by 155 companies from 2 countries. There were total 3,434 exhibitors which consist of 3,304 domestic exhibitors and 130 overseas exhibitors.

ACE 2007 also provides special events including:

- **Technical Seminar and Lecture Meeting**
- **Poster session**, introduce research status of the 100 labs in the Control, Robotics and Systems by poster and Technical Interchange
- **Banquet**, a standing buffet which was attended by the CEO of Exhibitors and 50 persons of participants.



The 7th Asian Control Conference (ASCC09)

August 27-29 2009, Hong Kong Convention & Exhibition Center, Hong Kong



Organizing Committee

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Program Chairs

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James Lam, Univ. of HK

Advisory Committee Chairs

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Weizhou Su, South China Univ. of Technology

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Ron Chen, City Univ. of HK

Jie Huang, Chinese Univ. of HK

Industrial Liaisons:

Wai-Chuen Gan, ASM Assembly Automation

Peter Ng, ASM Assembly Automation

Student Activity Leader:

Yu Liang, HK Univ. of Science & Technology

Second Call for Papers

The seventh Asian Control Conference (ASCC) will be held Thursday through Saturday, August 27-29, 2009, at the Hong Kong Convention & Exhibition Center, which is centrally located at the edge of the picturesque Victorial Harbour, Hong Kong Special Administrative Region, China. Under the auspices of the Asian Control Association, ASCC is a major technical event in the Asian control community that offers an excellent opportunity for researchers, engineers and professionals to get together and exchange findings and views. The many social, cultural, and entertainment attractions in Hong Kong make it an ideal leisure and business destination for numerous events. Hong Kong is conveniently connected to all major world cities and serves as a gateway to the fast growing Chinese Mainland.

Please visit the website <http://ascc09.ust.hk> or contact ascc09@ust.hk for further information.

Call for Regular Papers: authors are invited to submit regular papers (language: English; length: up to 6 proceedings pages). All submissions will be reviewed and those accepted will be included in the conference proceedings.

Call for Invited Sessions: invited sessions consist of 6 papers (same format as for regular papers) and present an unifying theme from different viewpoints. Full version of each paper must be submitted together with the invited session proposal.

Important Dates

Regular Papers submission deadline:	31 Jan 2009
Invited Sessions submission deadline:	31 Jan 2009
Notification of acceptance:	30 Apr 2009
Final submission deadline:	15 Jun 2009

ASCC 2009 Advisory Committee

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Hidenori Kimura, RIKEN
Wook Hyun Kwon, Seoul National Univ.

Members

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Kenko Uchida, Waseda Univ.
Ljubo Vlacic, Griffith Univ.
Yugeng Xi, Shanghai Jiaotong Univ.

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Huijun Gao, Harbin Institute of Technology
Sam Suzhi Ge, National Univ. of Singapore
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Josef Korbicz, Univ. of Zielona Gora
Yasuaki Kuroe, Kyoto Institute of Technology
Weiyao Lan, Xiamen Univ.
Kwang Soon Lee, Sugang Univ.
Frank H F Leung, HK Polytechnic Univ.
Shaoyuan Li, Shanghai Jiaotong Univ.
Tzoo-Hseng Li, National Cheng-Kung Univ.
Yu Li, Zhejiang Univ. of Technology
Kuang-Yow Lian, National Taipei Univ. of Technology
Zongli Lin, Univ. of Virginia
Guo-Ping Liu, Univ. of Glamorgan
Kangzhi Liu, Chiba Univ.
Wanquan Liu, Curtin Univ. of Technology
Hari Muhammad, Institut Teknologi Bandung

Yul Yunazwin Nazaruddin, Institut Teknologi Bandung
Yoshito Ohta, Kyoto Univ.
Toshiyuki Ohtsuka, Osaka Univ.
Yasuaki Oishi, Nanzan Univ.
Ju H Park, Yeungnam Univ.
Bambang Riyanto, Institut Teknologi Bandung
Peng Shi, Univ. of Glamorgan
Hyungbo Shim, Seoul National Univ.
Jae Bok Song, Korea Univ.
Jianbo Su, Shanghai Jiaotong Univ.
Zhendong Sun, South China Univ. of Technology
Ying Tan, Univ. of Melbourne
Alberto Tesi, Univ. of Firenze
Yuping Tian, Southeast Univ.
Antonio Vicino, Univ. of Siena
Jianliang Wang, Nanyang Technological Univ.
Long Wang, Beijing Univ.
Qing Guo Wang, National Univ. of Singapore
Wei Wang, Dalian Univ. of Technology
Wen-June Wang, National Central Univ.
Yuzhen Wang, Shandong Univ.
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Siu Pang Yung, Univ. of HK
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Huanshui Zhang, Shandong Univ.
Weixing Zheng, Univ. of Western Sydney
Yufan Zheng, Univ. of Melbourne
Donghua Zhou, Tsinghua Univ.
Shaosheng Zhou, Hangzhou Dianzi Univ.

ICCAS-SICE 2009

ICROS-SICE International Joint Conference 2009

August 18 (Tue.) – 21 (Fri.), 2009 (The date was renewed.)

Fukuoka International Congress Center, Fukuoka, JAPAN

<http://www.sice.or.jp/ICCAS-SICE2009/>

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The ICROS-SICE International Joint Conference 2009 (ICCAS-SICE 2009), an international joint conference on instrumentation, control and information technology, will be held at Fukuoka International Congress Center, Fukuoka City, Fukuoka, Japan on August 18-21, 2009. The conference covers a wide range of fields from measurement and control to system analysis and design, from theory to application and from software to hardware. Newly developed interdisciplinary ideas and concepts transferable from one field to another are especially welcome. All the submitted papers must be written and presented in English. Organized Sessions are welcome. Topics of the conference will cover but is not limited to:

■ Measurement

- ◆ Sensors and Transducers
- ◆ Signal and/or Image Processing
- ◆ Identification and Estimation
- ◆ Opto-Electronic Measurement
- ◆ Remote Sensing
- ◆ Mass and Force Measurement
- ◆ Temperature Measurement
- ◆ Ultra-High Precision Measurement
- ◆ Analytical Measurement
- ◆ Standard of Measurement
- ◆ Flow Measurement and Control
- ◆ Networked Sensor System

■ Control

- ◆ Multivariable Control
- ◆ Nonlinear Control
- ◆ Robust Control
- ◆ Adaptive and Optimal Control
- ◆ Intelligent Control
- ◆ Computer Aided Design
- ◆ Modeling, System Identification and Estimation
- ◆ Process Control
- ◆ Mechanical Systems Control
- ◆ Guidance and Flight Control
- ◆ Power Systems Control

■ System and Information

- ◆ Systems Theory and Engineering
- ◆ Biological and Physiological Engineering
- ◆ Intelligent Systems

◆ Neural Networks

- ◆ Autonomous Decentralized Systems
- ◆ Discrete Event Systems

■ System Integration

- ◆ Mechatronics Systems
- ◆ Robotic and Automation Systems
- ◆ Human Interfaces
- ◆ Virtual Reality Systems
- ◆ Entertainment Systems
- ◆ Medical and Welfare Systems
- ◆ Safety, Environment and Eco-Systems
- ◆ Agricultural and Bio-Systems
- ◆ Rescue Systems
- ◆ Simulation of Large Systems
- ◆ Network System Integration

■ Industrial Applications

- ◆ Process Automation
- ◆ Factory Automation
- ◆ Laboratory Automation
- ◆ Information Management Systems
- ◆ SCADA and Network Systems
- ◆ Manufacturing Systems
- ◆ Transportation Systems
- ◆ Micro and Nano Devices
- ◆ Components and Devices

■ Advanced Integration

- ◆ Emergent Technologies
- ◆ Fuzzy Systems
- ◆ Educational Systems/E-Learning

■ Others

Location and Venue

The conference activities will all be taking place in Fukuoka International Congress Center, Fukuoka City, Fukuoka, Japan. Fukuoka City is located in the northeast part of Kyushu, 50 minutes by airplane from Busan, 1 hour and 15 minutes by airplane from Seoul, 1 hour and 40 minutes by airplane from Tokyo, 1 hour and 15 minutes by airplane from Osaka, and is the prefectural capital of Fukuoka.

Important Dates

- | | |
|---------------------------|---|
| February 9, 2009: | Proposal of Organized Sessions |
| February 23, 2009: | Submission of Extended Abstracts for Regular Papers |
| April 24, 2009: | Notification of Paper Acceptance |
| May 15, 2009: | Submission of Final Camera-ready Papers |
| May 15, 2009: | Proposal of Workshop and Tutorials |

Regular Paper Submission

Authors are invited to submit an extended abstract on 2 pages of A4, 800-1000 words in English. All extended abstracts must be submitted electronically through the SICE2009 homepage: <http://www.sice.or.jp/ICCAS-SICE2009/> or contact the program committee. It is recommended that your draft paper includes paper title, names of all authors, affiliations, postal mails, email addresses and phone/fax numbers.

Organized by The Society of Instrument and Control Engineers (SICE), Japan, The Institute of Control, Robotics and Systems (ICROS), Korea

(Tentative) Supported by Fukuoka City, Saga University

(Tentative) Technically Co-Sponsored by IEEE Industrial Electronics Society, IEEE Robotics and Automation Society, IEEE Control Systems Society, IEEE Systems, Man & Cybernetics Society, The Instrumentation, Systems, and Automation Society (ISA)

(Tentative) In association with Asian Control Association (ACA), China Instrument and Control Society (CIS), Chinese Association of Automation (CAA), Chinese Automatic Control Society (CACS), International Measurement Confederation (IMEKO), IEEE Japan Council, IFAC NMO-Japan, Organizing Committee of International Symposium on Artificial Life and Robotics (AROB)



< The Hong Kong Convention and Exhibition Center for the 7th ASCC, Aug. 27-29, 2009 >

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