Hosting an ASA Meeting

The Association of the Siamese Architects organized a meeting under a topic “Professional Practice Development in Architecture”. The AU Faculty of Architecture was requested to host this meeting which was held on 7 January 2006 at AU Bang Na Campus. Deans of the faculties of architecture from all universities nationwide participated to devise a direction in responds to upcoming FTA regulations.

Special Lecture

On 25 January 2006, the School of Architecture received an honor from Prof. Pussaddee Tiptus who gave a lecture on the topic of, “Reviewing Architecture in Thailand”. It was held at room A71, AU Hua Mak Campus. The lecture was mainly about her research in the evolution and transformation of the concept in architectural design in Thailand from 1995-2005.

Prof. Pussaddee received many awards, not only from academic field such as the National Award
for Distinguished Instructor in 2003 and the National Award for the Distinguished Researcher in Philosophy in 1993, but also from the Association of the Siamese Architects for her architectural design in several buildings.

Lecture Series

D.J. Nor (Mr. Weerayot Teyaratrachakul), from Nor-Way, FAT Radio, D.J. Rit (Mr. Warrat Mangkalanon) from FAT Radio, and Pizza (Mr. Chaibundit Puechpolsub) from PROUD were guest lecturers for a lecture series of the School of Architecture on 9 February 2006 under the topic “Alternative Professions”. They discussed a variety of their works and experiences which were directly related with what they learned from school, but some were absolutely different. Selected media - music, movies, and music VDO - were arranged in order to entertain as well as to give clear pictures of the “Alternative” for the audiences.

Last Orientation

On 21 March 2006, the AU School of Architecture organized the “Last Orientation”, an annual activity for the senior students at the Seminar Room, D Building, Hua Mak Campus. It was aimed at introducing the graduating student of AR 5 (5th class of the programs architecture and interior architecture) to the real-world exposure. President Rev. Bro. Bancha Saenghiran delivered the Opening Speech on the preparation to work focusing on an awareness of the university’s vision and mission.

As a highlight of the event, the School invited the guest speaker, Mr. Duangrit Bunngag to share his perspective on architectural practice. Mr. Duangrit is a renowned architect who initiated his own firm about a decade ago.

With the start of his design firm in the midst of an economic crisis of 1999, it maintained its growth consistently with his optimistic vision. Although it has not been long, but it was responsible for numerous projects, especially his “Costa Lanta” and “HI Thong Lo” projects which became “Talks of the Town”, and many projects worth more than 40 million Baht.

In his lecture, Mr. Duangrit mentioned the “Ten rules of survival” in the real profession, part of which he included ethic and etiquette as well as professional protocols. In his how-to lesson, he said that we had to begin a deal with client in a matter of professional fees. Architects and designers must also have interpersonal skills to deal with clients. He also emphasized in architects’ mission of up-lifting the society at large through their designs.

In the latter session, A. Thawatchai from ABAC Alumni Association (ABACA) introduced the participants the work of the ABACA, which would keep in-touch with them after graduation.

The session was closed with the speeches by Dean Piset Viriyavadhana and Chairpersons Karan Paibulert and Vatcharat Samakkamai.

Pictures of the Lecture Series on “Alternative Professions”, showing the three guest lecturers, Mr. Weerayot, Mr. Warrat, and Mr. Chaibundit (L), and shown with the participants (R)
Views of the visit of architecture and interior architecture students to Singapore to expose them to the international life-sized architecture experience in Singapore

**Field Trip to Singapore**

From 24-26 March 2006, the School of Architecture organized the Architectural and Urban Design field trip to Singapore. The trip was supervised by A. Sasitorn, A. Karan, A. Prima, and A. Pim who brought 57 Architecture and Interior Architecture students to join special events in Singapore which included: 1:1 City, Architectural and Urban Design Gallery Architecture and Urban Design by URA (Urban Redevelopment Authority) and the National University of Singapore (NUS). This trip has broadened the students’ view to expose to the international architecture experience. In Singapore city stands many exemplary works by international and local architects that demonstrate the diversity, creative and innovation in a practical way.

During the trip the students visited three themes of buildings, namely:

**Theme 1:** Old Building in New City: Visiting Chinatown & Far East Square.

**Theme 2:** Contemporary Building: Visiting Supreme Court, Odeon Tower, National Library, visit the Esplanade Theatre Architectural tour.

**Theme 3:** Urbanscape and transportation linkage: Visiting City Link, Suntec City, Millenia Walk, Makina Square

The students had learned more about the City Conservation Guideline, the same climate, well architectural and urban design plan, better design for pedestrian awareness with recreation park added, international student architecture award winning, such as new bridge at Marina Bay.

**Faculty of Biotechnology**

**Field Trip to Visit Agricultural Product Processing**

During Semester 2/2005, the Faculty of Biotechnology offers the course AI 4208 - Processing of Agricultural Product II, for the biotech junior students. In this course, there were several field trips with the aim to broaden the students' knowledge as well as to have on-hand practical experiments of the real government sectors. During January to February 2006, the Faculty took the students to five field trips to: (i) the Faculty of Forestry; (ii) Department of Textile, Faculty of Agro-Industry; (iii) Department of Animal Husbandry, Kasetsart University Kamphaeng Saen Campus, (iv) Fujiac Co. Ltd; and (v) Siam Pulp and Paper Public Company Limited. Each trip took a day off from AU where the students were given lectures and experience laboratory work or a site observation. The students were enjoying the trips very much as well as gaining lot of knowledge.

**Visiting Professor from Kansas State University**

The Faculty of Biotechnology invited Prof. Edgar Chambers, IV from the Department of Human Nutrition, College of Human Ecology, Kansas State University, to teach the biotech senior students. He is the director of the Sensory Analysis Center which is the Center that provides confidential, effective
computer engineering student before graduation. Over there, he helped correcting motor speed, calibrating robot’s movement and creating communication protocol for Eurobot. His participation in Eurobot team led him to be present as a co-author of a paper, “ARY - A Platform for Controlling Autonomous Robots, Featuring Distributed Processors, Multi-agent, Real-Time Programming Environment, Robust Communication and Implementation Techniques, as well as Cognitive Properties of High-Level” presented at the Robocup 2006 Conference. His experience could be adapted for improvement on robot to be used in future competition.

A Field Trip to BTS Sky Train Company

The Engineering faculties, staff, electrical-majored students and power electronics students had an opportunity to visit the Maintenance Department of the Bangkok Mass Transit System Public Co. Ltd. (BTS), located at BTS Tower, Phahonyothin Road in Bangkok on 23 Febru-

Mr. Pasd Putthapipat, an exchange engineering student in Robotics from AU is enjoying his leisure time in Switzerland.

Faculty of Engineering

Exchange Program to Join Robotic Project at Heg-so University, Switzerland

In the exchange program in Robotics offered by Heg-so
The lecturers and students from Electrical and Power Electronic majors on their field trip to BTS Sky Train's Maintenance Department in January 2006. Six lecturers and 18 students joined this event. This field trip included sightseeing on wheel maintenance station, cockpit, power supply room, office and terminal of electric train. Some facts about operation overview, importance of routine safety check, power supply system of the whole BTS stations were introduced during the field trip. The whole activities illustrate all participants on how the real electric train system works.

Dr. Gennady Veselovsky in “Who’s Who in the World”.

Assoc. Prof. Dr. Gennady Veselovsky devoted many years of research in the field of parallel computer architecture and has published a series of papers in professional journals and conference proceedings. His achievements include participation in design of parallel computer PS 2000 and its subsequent modifications.

Dr. Veselovsky discovered some fundamental properties of basic connecting topologies for parallel computers including a vast number of processing elements and his findings have gained recognition in the scientific community. Due to the reference value of Dr. Veselovsky’s contribution, his biographical profile has been included in the 23rd edition - 2006 of Marquis Who’s Who in the world.

Curricula Accreditation by Council of Engineers

The Council of Engineers (COE) made a visit to the AU Faculty of Engineering on 14 March 2006 to accredit all available engineering curricula, which are: (i) Electrical and Electronics Engineering, (ii) Telecommunication and Electronics Engineering, (iii) and Computer and Network Engineering. The Engineering Faculty arranged the tour for the COE team to observe the laboratories, then examined the curricula, and interviewed engineering students.

(L) Certificate from Marquis "Who's Who" Publications Board presented to Dr. Gennady Veselovsky
(R) Faculty of Engineering's Examining Committee approaching each senior project group
The First Senior Project Exhibition

A new requirement for senior students upon their graduation, effective for students with ID 451-xxxx onwards, is to complete and present their senior projects. This first senior project exhibition was held on 16-17 March 2006, at Salle D' Expo Hall in AU Hua Mak Campus. The Examination Committee consisted of Dr. Sanjiva Rao, Dr. Seshanna Panthela, Dr. Virach Wongpaiboon, and Dr. Wn Tin. Firstly, the Examination Committee listened to each group presentation, and then the Committee roamed about every single group to let group members demonstrate how their projects are functioning and raising technical problems to be answered.

Executive Board for the year 2006 and the consultant of Academic Sub-committee and Excellent Research Award Nomination Committee.

2. The Thailand Nursing Council has appointed her to be a member of the Nursing License Examination Paper Development Committee for the section on Professional Laws and Ethics for the years 2006-2010.

The Convocation -Class of 2005

The Nursing Student Committee and the Faculty of Nursing Science, Assumption University organized, “The Convocation Day for the Nursing Graduates Class of 2005”, on 27 March 2006 at John XXIII Hall, Assumption University, Bang Na Campus. The Convocation aims to prepare the new nursing graduates on the transition from nursing students to be professional nurses and to build a profound rapport between Nursing Alumni and the Faculty of Nursing Science.

Accreditation by the Thailand Nursing Council

The Faculty of Nursing Science, Assumption University welcomed the outside Auditors from the Thailand Nursing Council (TNC) on 17 March 2006. The accreditation report issued on 11 April 2006 stated that the AU Faculty of Nursing Science is accredited for four academic years starting from 2006-2009 with area of improvement need.

Workshop on EMDR Technique

The Eyes Movement Desensitization and Reprocessing (EMDR) of the Thailand Coordinating Committee, in collaboration with Making Waves Project and Public Health Service of Krabi Province, organized the workshop on the technique of EMDR level I during 20-22 March 2006 at Wiang Thong Hotel, Krabi Province and level II at AU during 23-26 March 2006. The purpose of the workshops was to train mental health personal to apply EMDR technique to effectively assist disaster survivors in Thailand. Asst. Prof. Dr. Sanjiva Rao, Dr. Seshanna Panthela, Dr. Virach Wongpaiboon, and Dr. Wn Tin. Firstly, the Examination Committee listened to each group presentation, and then the Committee roamed about every single group to let group members demonstrate how their projects are functioning and raising technical problems to be answered.

Nursing Dean Recognized by Professional Organization

Asst. Prof. Dr. Nanthaphan Chinthumprasert, Dean of the AU Faculty of Nursing has been recognized by two professional organizations, namely:

1. The Thai Red Cross Society Nurses' Alumni Association has appointed her to be an honorable member of its Group photograph of nursing graduate class of 2005 during the Convocation Ceremony
The Convocation was held from 9:00 am to 12:00 am. Academic address was delivered by Asst. Prof. Dr. Nanthaphan Chinthumprasert. The Opening Ceremony was chaired by Rev. Bro. Bancha Saenghiran, President of Assumption University. There was a Pledge of Loyalty by graduated nurse representative. After that the guest speakers delivered their speeches. These guest speakers and their speeches were as follows:

(i) U’s greatest strength: Building Bonds by Mr. Wiwat Awasiripong, Chancellor of AU Alumni Association.

(ii) How to be Successful in Nursing Profession: From Novice to Expert by AU Nursing Alumni representatives.

(iii) Pining of the Crest, Honorary Session
- Amiability Awards:
- NAT award
- Excellence award, and
- Honor recognition.

(iv) Life Planning & Financial Planning by Mr. Montree Saenguraiporn, Director and Chief of Agency Officer. ACE Life Assurance Co. Ltd.

Altogether, there were 348 participants including the graduate nursing Class of 2005, nursing instructors, guest speakers, honorable guests, AU nursing alumni, graduated nurses’ relatives, AU nursing students joining the convocation. Finally, Asst. Prof. Dr. Nanthaphan Chinthumprasert, Dean of Faculty of Nursing Science, Assumption University, concluded the Closing Ceremony.
Special Admission

The Faculty of Nursing Science organized the special admission for the students studying in the Faculty of Nursing Science in the semester 1/2006 on Sunday, 15 January 2006 at the Salle D’ Expo Room, Hua Mak Campus from 8:30 a.m. to 12:00 noon. There were 145 candidates to be interviewed.

Graduate School of Psychology

Seminar on Human Sexual Functionality*

A complimentary seminar on Human Sexual Functionality, organized by the Graduate School of Psychology, was held on 25 January 2006 from 6.30 to 8.00 pm at D51 Building, Hua Mak Campus. The guest speaker was Dr. Francois de Carufel, Clinical Director of the Functionality Sexology Unit at the Waterloo Hospital in Waterloo, Belgium. Dr. Francois is a practicing sex therapist, lecturer, author of books and articles on human sexuality and an experienced resource speaker who has given a number of similar seminars in many parts of the world.

Dr. de Carufel gave an informative and enlightening talk on various aspects of human sexual functionality based on his researches, theoretical formulations, and recommended applications.

The highlights of his talk included the premise that many problems occur in a couple’s life which may be caused by missteps in sexual processing. He posited that a new era of research has begun on mental health as well as for “sexual health.” He noted that the word health is imported from medicine where it is used to describe a physical state; however, a person could be in a very poor physical state but still possesses very good health. The word health, therefore, is not comprehensive and it is less useful than “functionality” even

Dr. Francois de Carufel, Clinical Director, Functional Sexology Unit, Waterloo Hospital, Belgium speaks on “Human Sexual Functionality”
if it is appealing. Dr. Francois clarifies that functionality is more encompassing because it includes health and capabilities, and it means "it works." It is easier to define "sexual functionality" than "general functionality" because sexuality is anchored in the biology of reproduction.

Dr. de Carufel went on to assert that there are four dimensions of sexual functionality: biological, personal, relational, and social sexual dimensions.

Biological dimension refers to the integrity of sexual anatomical structures and the functionality of sexual physiological processes involved in fecundation or fertility.

Personal dimension includes the aspects of sexual positioning and management of sexual tension. He explained that sexual positioning includes: sexual identity (who am I?); sexual orientation (who do I eroticize?); sexual directivity (sexual propulsive in males and receptivity in females); and sexual preference (object, activity, or context).

As regards management of sexual tension, Dr. de Carufel demonstrated that if a man concentrates on the upper part of the body, he is being romantic but if he looks below the waist then he is being erotic, and that the more one is from the upper part of the body, the more problems one might have, which may even result in some form of perversion.

With the aid of graphical representations, it was illustrated that managing one's sexual tension functionally from arousal to dissolution involves the following stages: a. Sexual 

---

Faculty of Science and Technology

Press Releases by A. Paisal

A. Pisal Setthawong of the Computer Science Department, recently gave the following press releases:

1. Game Industry - Economic Times, India: On 2 January 2006, he was interviewed by the Economic Times from Mumbai, India on the topic of 'Game Industry'. The following are excerpt of his interview:

"The industry reaction to gaming degrees has, however, been mixed at best. Professionals point out that degree programs that focus only on game development lag in certain aspects and are unable to provide a full understanding of the demand.

"One of the most essential requirements for aspiring developers is an understanding of the basic mathematics" (trigonometry, geometry, series and matrix transform (which is required for Digital Signal Processing)," says Pisal Setthawong, a professor in Thailand and member of the
2. Movie and Game Industries - UBC Channel 9: On 20 March 2006, A. Pisal gave an interview to UBC News, Channel 9 about how the movie and game industries are related, at the Bangkok Film Market at the Bangkok International Film Festival 2006.

S&T Senior Project Exhibition

The Faculty of Science and Technology organized the S&T Senior Project Seminar on 29 March 2006 at Salle D’Expo. On Hua Mak Campus. It was compulsory for all the 4th year S&T students to take the Senior Projects in order to complete the BS degree programs. This year there were altogether 24 projects. The following projects were presented by Computer Science students: (i) S-T Laboratory Management System, (ii) an Intelligent Text Categorization, (iii) Expert Student Advising System, (iv) Strong Othello with Bottom-Up Bad More Removal Model, (v) MAS in SAM Batteries with Belief Revision System, (vi) the Comparison of Spam Filter Technology, (vii) Mail Client Simulation, and (viii) Applying Genetic Algorithm on Transportation Problem.

The followings are the six projects presented by the Information Technology students: (i) Home Security System, (ii) Academic Advising Information System (AAIS), (iii) Leasing and Loan Management System for Great-Lambda Co. Ltd., (iv) Myanmar Traveling Support IS, and (v) Mobile Auction System.

The students from Telecommunication Science also presented five projects; these were: (i) Image Watermarking Robustness in Wireless Environment, (ii) Ultra-Wireband (UWB) System Simulation with MATLAB, (iii) Analysis of Performance of Low-Density Parity-Check Codes over AWGN Raleigh and Ricear Channels, (iv) Study on Scalable Image Robustness Over Wireless Channel, and (v) an Approach to Malfunction Sensor Detection, Stability & Constraint-based Routing in ad hoc Network.

The following three projects were presented by the Applied Statistic students: (i) the Comparison of Forecasting Techniques in Agricultural Products, (ii) the Study of the Influential Factor on Mental Health of Freshmen in Bangkok, and (iii) Parameter Estimation via Bootstrap Technique.

One project was from the Technology Management students. It was the “Feasibility Study on Prepaid Electricity System”.

Special Feature

Ratchaphruek: The Royal Flora

by Narong Chomchalow

The official name of the “International Horticultural Exposition for His Majesty the King”, which will be held in Chiang Mai during 1 November 2006 – 30 January 2007 is “Royal Flora Ratchaphruek 2006”. The author is the one who gave the theme of this exposition as “Ratchaphruek: The International Horticultural
The reasons why 'Ratchaphruet' is chosen as the symbol of this International Horticultural Exposition:

1. The name 'Ratchaphruet' literally means the 'royal plant'. It is most logical to have a plant of horticultural significance depicting the monarch to celebrate His Majesty the King of Thailand's 60th Anniversary of His Accession to the Throne and 80th Birthday Anniversary, the main objectives of organizing this international horticultural exposition.

2. 'Ratchaphruet' is the national tree of Thailand. The Thais consider it an auspicious tree as it has yellow flower which signifies two important symbols of the nation: Buddhism, the national religion, combining the fact that Buddhist monks wear yellow robe, and His Majesty, King Bhumibol Adulyadej, who was born on Monday, the day symbolized by yellow color.

3. 'Ratchaphruet' was dedicated to His Majesty the King in the auspicious year celebrating his 60th birthday on 5 December 1987. His Majesty asked for the tree to be planted in the Rama IX Botanic Garden - a garden dedicated to His Majesty on his birthday, as a national glory. It is now growing on both sides of the road from Maha Rat Gate into the Garden.

4. 'Ratchaphruet' is an established legendary tree of the Rattanakosin era. (Rattanakosin is the present era of the kingdom of Thailand with Bangkok as the capital city, established in 1782 by King Rama I.)

5. 'Ratchaphruet' is a tree of multiple uses. In addition to being used as ornamental roadside tree, its leaves, flowers, pods, wood, barks, and roots possess medicinal properties, which include antimicrobial and anthelmintic from the leaves; antipyretic and laxative from the flower; laxative and expectorant from the pulp of the pod; anthelmintic for roundworm from the wood; antiarrhythmic, anthelmintic, and laxative from the roots, etc. The bark and wood are used to tan leather. The wood, which is golden red and hard, is used to make pillars, cart wheels, and plough handles, etc. All these traditional uses are intricately linked to the custom, culture, and tradition of the Thai people since ancient times.

The reasons why the phrase, "International Horticultural Exposition to Express the Love for Humanity", is used as the theme of this horticultural exposition:

1. Throughout the long period of His Majesty's reign for 60 years, His Majesty has worked tirelessly to improve the quality of life and the standard of living for all Thai people, regardless of religion, race, and language. Most importantly, he has expressed his love for humanity by helping the poor and the underprivileged with his more than 2,000 development projects, covering such areas as public health, education, water resource development, agriculture, conservation, development of natural
resources and the environment, supplementary occupations, social welfare, transport/communications, etc. His Majesty's philosophy is to create a self-sufficiency economy, one that the people could adopt into their daily lives and so become self-reliant. His Majesty is glory to the land, the pride of his people, and an example for the world. His Majesty's 'Love for Humanity' is expressed clearly in all his undertakings.

2. Horticulture is the art and science of cultivating horticultural crops, which include fruit crops, ornamental and flowering plants, vegetable crops, mushrooms, medicinal plants, spices and herbs, and aromatic plants. As such crops are intimately associated with the way of life of the people, their culture and tradition, the present exposition will emphasize, not only on horticultural crops but also in culture, tradition, and philosophy. More than 30 countries from all continents are taking part in exhibiting their national heritages using horticulture as the medium of expression of their culture and tradition.

**Call for Abstracts**

Faculty members, as well as their students are cordially invited to submit their abstracts to the Editor of the AU Journal of Technology for inclusion in the forth-coming issue of 'AU Abstracts 2006', to be issued in July 2006 which will cover the meetings that take place during 01 July 2005 to 30 June 2006. In order to avoid the rush and other complications, may we suggest that the authors submit their papers as soon as they have been presented. This will allow the Editors to have more time to go through their papers, and to clarify some points prior to publication.

**Call for News**

The *AU Tech Note* cordially invites staff and students in the School of Architecture, the Faculty of Biotechnology, the Faculty of Engineering, the Faculty of Nursing, the Graduate School of Psychology and the Faculty of Science and Technology to contribute articles for publication in the Newsletter.

**What to Contribute?**

Any kind of information you would like to see published in *AU Tech Note*. An illustrative list is given below:

- Personal news (new appointments, promotions, fellowships, awards, travel abroad, etc.)
- Reports of special interest groups, industrial visits, recently launched or concluded projects, open house, field works, etc.
- Reports on recently held workshops, seminars, symposia, conferences, etc. Information about forth-coming activities and events, recent publications, etc.

Results of recently concluded projects, patents, newly released products and formulations, experiments and techniques, etc. We look forward to receiving your input.