

SURANAREE UNIVERSITY OF TECHNOLOGY

International Undergraduate Program

Faculty Information

Mechanical Engineering

1. Name and Rank : Tavee Lertpanyavit , Asst. Prof.

2. Department / School : Mechanical Engineering

3. University : Suranaree University of Technology

4. Degrees :	Field	Date Awarded	Institute / Country
B.Eng. (Hons)	Mechanical Eng.	1961	Chulalongkorn / Thailand
Dr.Ing	Mechanical Eng.	1967	Rome / Italy

5. Experience :

Period	Position	Institution / Firm
1993 - 1994	Acting Vice President (Academic)	SUT
1991 - 1993	Acting Vice President (Academic)	SUT
1983 - 1991	Dean of Engineering	Chulalongkorn University
1979 - 1983	Head , Dept of Mech. Eng.	Chulalongkorn University
1992 - Present	Dean , Institute of Industrial Technology	SUT
1993 - Present	Dean , Institute of Industrial Technology	SUT

6. Current Professional Engineering / Field Registration :

State / Territory /Country

Registered Professional Engineer , Fellow (Mechanical) , Thailand

Registered Professional Engineer , Associate (Electrical) , Thailand

Registered Professional Engineer , Associate (Industrial) , Thailand

7. Member :

Member , Engineering Institute of Thailand Under H.M. King 's Patronage

Member , American Society of Heating Refrigeration and Air Conditioning Engineers , ASHRAE

Associate Member , International Institute of Refrigeration , IIR

8. Publication : (Numbers) 5

9. Award :

Italian Government Scholarship

British Council Fellowship

SURANAREE UNIVERSITY OF TECHNOLOGY

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Faculty Information

1. Name and Rank : Capt. Kontorn Chamniprasart , Ph.D.

2. Department / School : Mechanical Engineering

3. University : Suranaree University of Technology

4. Degrees :	Field	Date Awarded	Institute / Country
B.Sc.(1 st Class Honor)	Mechanical Eng.	1987	Royal Thai Air Force Academy / Thailand
MS.(ME)	Mechanical Eng.	1989	University of Pittsburgh / USA
Ph.D. .(ME)	Mechanical Eng.	1992	University of Pittsburgh / USA

5. Experience :

Period	Position	Institution / Firm
1992 - 1995	Lecture	Royal Thai Air Force Academy

6. Current Professional Engineering / Field Registration :

State / Territory /Country

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7. Member :

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8. Publication : (Numbers) 2

9. Award :

SURANAREE UNIVERSITY OF TECHNOLOGY

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Faculty Information

1. Name and Rank : Vorapot Khompis , Assoc. Prof.

2. Department / School : Mechanical Engineering

3. University : Suranaree University of Technology

4. Degrees :	Field	Date Awarded	Institute / Country
B.Eng.	Mechanical Eng.	1974	Royal Thai Air Force Academy / Thailand
MS. (ME)	Mechanical Eng.	1980	Michigan State University / USA
Ph.D. (ME)	Mechanical Eng.	1983	Michigan State University / USA

5. Experience :

Period	Position	Institution / Firm
1974	Lecture (Dept of Mech. Eng.)	Royal Thai Air Force Academy / Thailand
1988	Assoc. Prof. (Dept of Mech. Eng.)	Royal Thai Air Force Academy / Thailand
1993	Head , Dept of Mech. Eng.	Royal Thai Air Force Academy / Thailand

6. Current Professional Engineering / Field Registration :

State / Territory /Country

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7. Member :

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8. Publication : (Numbers) 4

9. Award :

RONALD R. GOFORTH

1. NAME AND RANK: Ron Goforth, Professor

2. DEPARTMENT/SCHOOL: School of Industrial Engineering/ Institute of Industrial Technology

3. UNIVERSITY: Suranaree University of Technology

4. DEGREES:

Doctor of Philosophy - Analytical Chemistry - November 4, 1967, University of Alberta, Edmonton, Alberta, Canada.

Master of Science - Synthetic Inorganic Chemistry - January 21, 1962, University of Arkansas, Fayetteville, Arkansas.

Bachelor of Science - Chemistry - January 30, 1960, University of Arkansas, Fayetteville, Arkansas.

5. EXPERIENCE:

Suranaree University of Technology Nakhon Ratchisima, Thailand
Professor, Institute of Industrial Technology: January 15, 1995 - date

University of Arkansas Fayetteville, Arkansas
Professor, Computer Systems Engineering; Adjunct Professor, Electrical Engineering
Associate Professor, Computer Systems Engineering: 9/1/90-5/7/93
Director, Advanced Manufacturing Technology Laboratory Project: 1/1/93 to present
Chair, Graduate Studies, CSEG, AY 90-91 to present.
Visiting Associate Professor, Computer Science Engineering: 6/1/86-5/15/89
Co-Director and P.I., CAIES (Center for Artificial Intelligence and Expert Systems) 9/87-11/90.
Technical Consultant: Genesis Project (U of A small business incubator), ACTT (Arkansas Center for Technology Transfer). 9/87-6/90

Vector, Inc. Fayetteville, Arkansas
Vice President
Company formed in 1994 to manufacture and market PC-based CNC controller systems.

Naval Health Research Center San Diego, CA
Senior Faculty Fellow, Department of Epidemiology. U.S.Navy-ASEE Summer Research Program: 5/20/91-8/2/91

University of the South Pacific Suva, Fiji
Fulbright Professor attached to the Department of Mathematics and Computing Science: 7/1989 - 6/1990.

Management Consultant West Fork, Arkansas
(11/1/77 to present)

Syncrude Canada, Ltd. Edmonton, Alberta, Canada
Director of Research and Environmental Affairs: 4/15/67 -- 1/19/76

E.I. DuPont Ne Nemours and Co. Orange, Texas
Chemist: 6/3/63 to 7/15/64

University of Arkansas Fayetteville, Arkansas
Instructor, Chemistry: 9/1/61 - 5/31/63; 2/1/82 - 5/12/82

6. CURRENT PROFESSIONAL ENGINEERING/FIELD REGISTRATION:

Arkansas Board of Registration for Professional Engineers and Land Surveyors,
Certificate number: EIT4106
CSP, Institute for Certification of Computing Professionals, Certificate number: 92-1604
CCP (specialization in Systems Development & Software Engineering), Institute for
Computing Professionals, Certificate number: 000419

7. MEMBER

Association for Computing Machinery
Executive Council Member & Program Co-Chair, Chapter Chair, Northwest Arkansas
Section, Committee Member, SIGAPP (Special Interest Group on Applied Computing), 1991.
Editorial Board, Applied Computing Review, SIGAPP/ACM. 1991
Board Member, ACM Special Interest Group on Applied Computing, SIGAPP, 1990-date.
The Society for Computer Simulation International
SCS Committee on Simulating the Human Immune System and AIDS Incidence,
American Society for Engineering Education
Arkansas Society for Computer and Information Technology
Education Committee, 1991 to 1994
World Futures Society
International Association of Science and Technology for Development
Fulbright Association
Fulbright Institute of International Relations, Speakers Bureau, 1992.
Arkansas Academy of Science

8. PUBLICATIONS

Refereed Journals: 10
Refereed Proceedings: 30
Proceedings: 7
Technical Reports: 4
Published/Copyrighted Software: 2
Book Reviews: 2
Non-Technical Academic Publications: 5

9. AWARDS

Halliburton Outstanding Researcher Award, College of Engineering, University of Arkansas,
1991-92.

Phi Beta Delta (Honor Society for International Scholars), 1991.

Senior Faculty Fellow, Naval Health Research Center, San Diego, CA. U.S.Navy-ASEE
Summer Research Program: 5/20/91-8/2/91

Fulbright Scholar Program Award. Senior Lectureship, University of the South Pacific. Board of
Foreign Scholarships, United States Information Agency. (12 months, 1989-90).

Halliburton Outstanding Teacher Awards, College of Engineering, University of Arkansas. 1986-
87, 1987-88.

Recognized for achievement of national excellence in science during the celebration of the Silver
Jubilee of Her Majesty the Queen. Ottawa, Canada. October 17, 1977.

SURANAREE UNIVERSITY OF TECHNOLOGY

International Undergraduate Program

Faculty Information

1. Name and Rank: VEERACHAI MANOPICHETWATTANA, LECTURER

2. Department/School: SCHOOL OF INDUSTRIAL ENGINEERING

3. University: SURANAREE UNIVERSITY OF TECHNOLOGY

4. Degrees:	Field	Date Awarded	Institute/Country
B. Eng.	(Industrial Engineering)	1976	KHON KAEN UNIVERSITY, THAILAND
M.S.	(Industrial Engineering)	1983	U. OF TEXAS, ARLINGTON, U.S.A.
Ph.D.	(Industrial Engineering)	1987	U. OF TEXAS, ARLINGTON, U.S.A.

5. Experience:

Period	Position	Institution/Firm
1976-82	FACTORY INSPECTING ENGINEER	DEPARTMENT OF INDUSTRIAL WORKS, MINISTRY OF INDUSTRY.

1987-93	EXECUTIVE LEVEL	SEVERAL THAI MANUFACTURING FIRMS.
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6. Current Professional Engineering/Field Registration:

State/Territory/Country

7. Member:

ALPHA PI MU, THE AMERICAN HONOR SOCIETY FOR INDUSTRIAL ENGINEERING
OMEGA RHO, THE INTERNATIONAL ^{HONOR} SOCIETY FOR OPERATIONS RESEARCH DISCIPLINES.

8. Publication:(Numbers)

9. Award:

SIGMA XI'S OUTSTANDING STUDENT RESEARCH AWARD, UNIVERSITY OF TEXAS,
ARLINGTON
THE DR. THAP NEERATEERA FOUNDATION'S OUTSTANDING FRESHMAN AWARD
IN CHEMISTRY, KHON KAEN UNIVERSITY
OUTSTANDING HIGH SCHOOL GRADUATE, WAT RAJATHIVAT HIGH SCHOOL, BANGKOK.

SURANAREE UNIVERSITY OF TECHNOLOGY

International Undergraduate Program

Faculty Information

1. Name and Rank: SARAWUT SUJITJORN, Ph.D. ; Asst. Prof.
2. Department/School: School of Electrical Engineering (Chair)
3. University: Suranaree University of Technology

4. Degrees:	Field	Date Awarded	Institute/Country
<u>B.Sc. (1st. Hon.)</u>	<u>EE</u>	<u>Dec 31, 1983</u>	<u>RTAF Academy / Thailand</u>
<u>Ph.D.</u>	<u>EE</u>	<u>Dec 11, 1987</u>	<u>Univ. of Birmingham / UK</u>

5. Experience:

Period	Position	Institution/Firm
<u>1988-1993</u>	<u>- Lecturer / Asst. Prof.</u>	<u>RTAF Academy</u>
	<u>- Specification Engineer</u>	<u>Prosong & Co. (Consultancy on Intellectual Property)</u>

6. Current Professional Engineering/Field Registration:

State/Territory/Country

7. Member: (Computer Society, SMC Society, Control Systems Society)
- 7.1) IEEE 7.2) The New York Academy of Sciences 7.3) The Electron
Microscope Society of Thailand 7.4) The Engineering Institute of Thailand
7.5) The Electronic Association of Thailand.
8. Publication:(Numbers)

16

9. Award:

- 9.1) 1983 Award in Highest Achievement, First Degree in Engineering,
RTAF Academy
- 9.2) 1988 Medallion of the University of Birmingham
- 9.3) 1989 First Prize Winner, Speech Contest, College of Squadron
Leaders, RTAF
- 9.4) 1991 Staff of the Year, Academic Section, RTAF Academy

SURANAREE UNIVERSITY OF TECHNOLOGY

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Faculty Information

1. Name and Rank: Weerapun Sriboonlue, Assistant Professor

2. Department/School: Civil Engineering

3. University: Suranaree University of Technology

4. Degrees: Field Date Awarded Institute/Country

Ph.D. in Civil Engineering, 1986, U. of Texas at Arlington, USA

MS. in Civil Engineering, 1975, U. of Texas at Arlington, USA

B.Eng. in Civil Engineering, 1971, Khonkaen Univ., Thailand.

5. Experience:

Period Position Institution/Firm

Nov. 93 - Present Assistant Professor

Chair School of Civil Engineering

Vice Rector for Planning and Development

Suranaree University of Technology, Thailand

May 92 - Oct. 93 Director, Graduate Study Program in

Civil Engineering

Rangsit University, Thailand

Jan. 87 - May 91 Assistant Professor

Civil Engineering Department

Villanova University, USA

6. Current Professional Engineering/Field Registration:

State/Territory/Country

Professional Engineer Registration in Thailand

and in the States of Texas and

Pennsylvania, USA

Jan 1981 - Dec 1986

Structural Engineer

Barnes and Associates Inc.

Texas, USA

7. Member:

8. Publication:(Numbers)

~~to~~ Ten Publications in technical reports,
proceedings, and journals

9. Award:

1988 Farrell Award : In recognition of the
outstanding service to the College of Engineering,
Villanova University, Pennsylvania, USA

1990 Alan H. Yorkdale Memorial Award : In recognition
of the outstanding paper concerning masonry
published in the English language
during the 1980 period. The Award presented
by the American Society of Testing and
Materials (ASTM).

BIODATA

1. NAME : Mr.Amnat Apichatvullop

2. MARITAL STATUS : Married, 2 children

3. DATE OF BIRTH : 5 December 1948

4. NATIONALITY : Thai

5. EDUCATION : B.E., Civil Engineering

Univ. of Newcastle,N.S.W.,1973.

M.Eng, Coastal Engineering

Asian Institute of Technology,1976.

Ph. D., Water Resources Planning

Colorado State Univ., 1984.

6. OTHER TRAINING

7. AWARDS RECEIVED :

7.1 1960-1968 Ministry of Education Scholoarship for Secondary
Education.

7.2 1968-1973 Colombo Plan Scholarship

7.3 1974-1976 Japanese Government Scholarship

7.4 1980-1983 Ford Foundation Fellowship

7.5 1983-1984 Research Assistantship at Colorado State University

8. LANGUAGES AND DEGREE OF PROFICIENCY :

<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>
English Excellent	Excellent	Excellent

9. MEMBERSHIP OF PROFESSIONAL SOCIETIES :

10.PROFESSIONAL EXPERIENCE

10.1 RELEVANT EXPERIENCE :

Two (22)
Twenty (20) years experience in hydraulics, hydrology
water resources planning, irrigation, computer model-
ling, training, project evaluation, teaching and
research in hydraulics, hydrology and water resources
planning.

Oct. 1993 - present Assoc. Prof. in Transportation & Civil Eng. at SUT
teaching undergrad.
Apr. 1994 - present Assoc. Dean, Institute of Indus. Techn.
in charge in lieu of dean who is on duty
-2- part-time.

10.2 FROM 1973 TO PRESENT :

EMPLOYER : Khon Kaen University

POSITION HELD AND DESCRIPTION OF DUTIES :

Nov. 1992 to ~~Present~~ June 1993

- Associate Dean for Academic Affairs, Faculty of Engineering, responsible for academic affairs of 2000 undergraduate students and 130 faculty members.

1986 to Present

- Associate Professor in Civil Engineering, responsible for teaching and supervising research work on hydrology and water resources development and related subjects.

May 1986 - Oct. 1989

- Director of Water Resources and Environment Institute, Khon Kaen University, responsible for coordinating research activities of the institute, providing technical services in water resources development to the public, both private and government sectors.

Jan 1986 - Chairman Graduate Program in Engineering, responsible

-May 1987 for directing study and research in Masters Program in Structural Engineering and Water Resources Engineering

10.3 PROJECTS UNDERTAKEN :

1991-present TEAM Consulting Engineer Co. (Part-time)

Hydrologist, responsible for hydrological studies of various projects such as Feasibility of Prasae Irrigation, Feasibility of Pasak Irrigation, etc.

Apr.-May and Aug. 1992

Consultant to Asian Development Bank, appraised technical aspects of three pump irrigation schemes in southern Lao P.D.R.

1989-91

PAL Consultant (Full-time, on leave from KKU.):

- 1990-91 - Deputy project manager/Hydrologist in Feasibility of the Nam Songkhram Irrigation Project.
- Dec.1989 - Water resource planning specialist in Feasibility
- Mar.1990 of the Khong-Chi-Mun Project
- Oct.-Nov.1989-Water resource and infrastructure specialist in Evaluation of the Thai-German Land Settlement Promotion Project, responsible for collecting data and assessing water resource development activities in Khuan Bhumibol and Lam Dom Noi Settlements.
- May-Jun. 1989-Irrigation and training specialist, Appraisal of Proposals in the Thai-Netherlands NE Agricultural Development : On-farm water management (Royal Irrigation Development), Small farmer participation (Department of Agricultural Extension),Ley Farming (Department of land Development) Northeast land development center (Department of Public Welfare). Each proposal was appraised on relevance and significance of objectives, anticipated achievements, technical merits of methods used, expected benefits and efficiency of resource use.
- Jan.1988- - Project leader, Study of Weir Maintenance Program. To
- Aug 1989 design a more efficient system/program to maintain and utilize existing small weirs.
- May 1987- - Project leader, Hydrology of Rainfed Paddy Land. To develop
- Dec.1990 mathematical model for predicting streamflow in small agricultural watersheds of Northeast Thailand.
- Oct.1986- - Project leader, Training of Community Workers in Rural
- Jun.1987 Water Resources Planning. Responsible for developing courses, training materials, training and follow-up of all CD workers in the Northeast.
- 1978-1979 - Hydrologist/Irrigation Engineer, Water Balance of the Nong

Wai Irrigation Area. Responsible for evaluating the water use efficiency.

- 1978-1979 - Hydrologist, Physical and Chemical Aspects of the Nam Pong Reservoir. Responsible for evaluating the impacts of land use on the streamflows in the Nam Pong Watershed.
- 1979 - Hydraulic Engineer, Water for Chieng Khong Refugee Camp. Design pumping, delivery, distribution and storage system of water supply for the camp and nearby village.
- 1979 - Hydraulic Engineer, Feasibility of Lam Sathat Weir. Design irrigation weir.
- 1979 - Water Resources Planning Engineer, Feasibility of Water Resources Development in three settlements. Survey, plan and design appropriate water facilities for drinking, domestic use and irrigation for several villages in the settlements.
- 1976-1977 - Research Associate, Salinity Intrusion of the Chao Phya and Mae Klong Rivers. Develop mathematical model capable of simulating salinity conditions of the rivers for different river discharges.

10.4 ACADEMIC EXPERIENCE :

- 1980 Lecturer, Training of Palad Amphur in Water Resources Planning.
- 1986-1987 Chairman of Graduate Program in Engineering : Supervising and coordinating research in Engineering.
- 1992-Present Associate Dean for Academic Affairs, Faculty of Engineering

11. List of Publications and Papers

1. Salinity Intrusion in the Chao Phya and Mae Klong Rivers, Research Report, Asian Institute of Technology, 1978.
2. Physical and Chemical Aspects of the Nam Pong Reservoir, Research Report, Faculty of Engineering, Khon Kaen University, 1979.

3. Water Balance of the Nong Wai Irrigation Area, Research Report, Faculty of Engineering, Khon Kaen University, 1979.
4. Hydraulic Design. Faculty of Engineering, Khon Kaen University, 1980. (Thai)
5. Feasibility Study of Water Resources Development in Ubolrat, None Sang and Huay Luang Resettlement Areas, Project Report, Faculty of Engineering, Khon Kaen University, 1979.
6. Water for Chiang Khong Refugee Camp, Project Report, Faculty of Engineering, Khon Kaen University, 1979.
7. Feasibility of the Lam Sathat Weir, Amphur Pathai, Project Report, Faculty of Engineering, Khon Kaen University, 1979. (Thai)
8. Water Resources Project Planning Manual, Thai-Australia Water Resources Project, 1986. (Thai)
9. Training in Water Resources Planning, Document for Training of Instructors, Faculty of Engineering, Khon Kaen University, 1987. (Thai)
10. Bibliography of Water Resources Development in Thailand, Project Report, Faculty of Engineering, Khon Kaen University, 1987.
11. Fundamental Systems Analysis. Faculty of Engineering, Khon Kaen University, 1987. (Thai)
12. Fluid Mechanics Laboratory, Manual, Faculty of Engineering, Khon Kaen University, 1987. (Thai)
13. Sethabutra, S. and Apichatvullop, A.
Hydrology of rainfed paddy land, in Proceedings of His Majesty's Fifth Cycle Commemorative Conference of USAID Sciences Research Award Grantees, Nakorn Pathom, Thailand, 24-26 July 1987, pp.285-290.
14. Aryupong, C. and Apichatvullop, A.
Water for agriculture in small watersheds, Proceedings of "Crop Production in Problem Soils in Northeast Thailand," Agricultural Development Research Center, Khon Kaen, Thailand, 23-27 May 1987, pp.101-102

15. Tingsanchali, T. and Apichatvullop, A.
Salinity Intrusion Problem During Sever Drought in the Chao Phraya River, Research Report No.122, Asian Institute of Technology, December 1980.
16. Tingsanchali, T. and Apichatvullop, A.
Prediction of salinity intrusion during a sever drought in the Chao Phraya River, Engineering Journal of Thailand v.40, n.3, 1987.
17. Thai-Netherlands Northeastern Agricultural Development Programme (January 1990-December 1992): Appraisal Report, Department of Technical and Economic Cooperation, Thailand, in cooperation with directorate General for International Cooperation, The Netherlands, July 1989.
18. Apichatvullop, A.
Evaluation of the Thai-German Land-Settlement Promotion Project, Phase V. (1987-1989). Final Report Infrastructure Sector, Department of Technical and Economic Cooperation, Thailand, in cooperation with Bundes ministerium fuer wirtschaftliche Zusammenarbeit (BMZ), Germany, November 1989.
19. Apichatvullop, A. and Patamatamkul, S.
Rapid Appraisal of Moungkao, Pakkoun and Phone Ngam Pump Irrigation Schemes, Report to the Asian Development Bank, August 1992.