TEXAS STATE VITA

I. Academic/Professional Background

A.   Name: Title:

Lee-Song Koh   Senior Lecturer

B. Educational Background

Degree	Year	University	Major	Thesis/Dissertation
MS	1999	Texas State University	Computer Science	No
Ph.D.	1993	University of Oklahoma	Petroleum Engineering	Yes
MS	1987	Stanford University	Petroleum Engineering	Yes
BS	1980	U of Technology, Malaysia	Petroleum & Nat Gas Eng	Yes

C. University Experience

Position	University	Dates
Senior Lecturer / Lecturer	Texas State University	Aug 99-present
Graduate Instructional Assistant	Texas State University	Jan 98-Jul 99/Jan 95-Jan 97
Research Assistant	University of Oklahoma	Jan 88-Apr 93
Research Assistant	Stanford University	Sep 85-Jun 87

D. Relevant Professional Experience

Position	Entity	Dates
Senior Reservoir Engineer	GeothermEx, Inc.	Jan 97-Dec 97
Engineering/Computer Specialist	CalEnergy Company, Inc.	Summer 92, Summer 93
Reservoir Engineer	CalEnergy Company, Inc.	Summer 91
Consulting Engineer	Baldwin Engineering, Inc.	Summer 89, Summer 90
Reservoir Engineer	CalEnergy Company, Inc.	Summer 88
Staff Reservoir Engineer	PETRONAS	1980-1985

II. TEACHING

A. Teaching Honors and Awards:

College of Science Presidential Award for Excellence in Teaching, Texas State University
        (2006, Runner Up).
The Alfred H. Holle Chapter of the Alpha Chi National Honor Scholarship Society Favorite
        Professor Recognition, Texas State University (Spring 2003).

B. Courses Taught:

CS 1318 (Foundations of Computer Science)
CS 2308 (Foundations of Computer Science II / C++ and C Programming)
CS 2318 (Assembly Language)
CS 3358 (Data Structures and Algorithms)
CS 3409 (Fundamentals of Computer Technology – at the time taught)
CS 4332 (Introduction to Database Systems)
CS 4378O (Object-oriented Concepts and Programming – at the time taught)
CS 5302 (Foundations of Data Structures and Algorithm Design)

III. SCHOLARLY/CREATIVE

A. Works in Print

3. Conference Proceedings:

a. Refereed Conference Proceedings:

"A Boundary Element Algorithm for Modeling 3D Horizontal Well Problems Using 2D Grids,"
        SPE 26228, SPE Petroleum Computer Conference held in New Orleans, Louisiana, 1993.
"3-D Boundary Element Model for Predicting Performance of Horizontal Wells," SPE 26101,
        SPE Western Regional Meeting held in Anchorage, Alaska, 1993.

b. Non-refereed:

5. Reports:

"A Boundary-Element Algorithm for Modeling 3-D Fluid Flow Through Porous Media
        Involving Arbitrarily-Oriented Wells in Arbitrarily-Shaped Reservoirs," Ph.D.
        Dissertation, University of Oklahoma, 1993.
"Automated History Matching Using Approximately Linear Objective Functions," MS Report,
        Stanford University, 1987.
"The Viability of a More General Approach to Decline-Curve Analysis," BS Thesis, University
        of Technology (Malaysia), 1980.

B. Works Not in Print:

2. Invited Talks, Lectures, and Presentations:

"Malaysian Experience in Oilfield Development Techniques: Tapis Field Development," International
        Meeting on Oil Field Development Techniques, Daqing, People's Republic of China, 1982.
"Conservation/Utilization of Associated Gas in Malaysia," 1981 ASCOPE Conference, 1981.
"Planning, Implementation and Control of Upstream Development and Production Activities,"
        Management Development Program I Course (in-house, PETRONAS), 1981.
"Extracting Our Petroleum Resources," Introduction to Petroleum Technology Course (in-house,
        PETRONAS), 1981.
"Oil Story," educational articles in company newsletter (Nada PETRONAS), 1980-1981.
"Upstream Activities," Induction Course (in-house, PETRONAS), 1980.

4. Workshops:

"A New Method for Automated History Matching of Reservoir Simulators – Reevaluation and
     Further Testing," proceedings of the Stanford Reservoir Simulation Industrial Affiliates
     Program (SUPRI-B) Workshop, Stanford University, 1986.

C. Grants and Contracts:

1. Funded External Grants and Contracts:

Federal funds (through the Oklahoma Mining and Mineral Resources Research Institute) for
doctoral research while at University of Oklahoma: $12,000.00.

2. Submitted, but not Funded, External Grants and Contracts:

The HP Technology for Teaching Grant Initiative (2006 Higher Ed. Edition) - in collaboration
with Dr. Mohamed Gadalla (Dept. of Engineering and Technology), Dr. Jaime Hernandez (Dept.
of Engineering and Technology) and Dr. Anne Ngu (Dept. of Computer Science).

3. Funded Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

Academic Excellence in Graduate Studies 1997-1998 (Southwest Texas State University).
Distinguished Scholar Award (University of Oklahoma).
Best Student Award (University of Technology, Malaysia).
Best Student Awards (primary and secondary schools, Malaysia).

IV. SERVICE

B. Departmental:

Member of Nontenure Line Faculty (Assistant/Associate Professor of Instruction) Search
     Committee (2024-present).
Member of Nontenure Line Faculty (Lecturer or Senior Lecturer) Search Committee (2017-2023).
Member of Undergraduate Committee (2009-present).
Member of Program Assessment and Review Committee (2009-present).
Member of ABET Committee (2013-2014).
Member of Recruitment and Publicity Committee (2003-2004).
Member of Undergraduate Core Committee (1999-2007).
Non-tenure Track (Adjunct) Faculty Committee Liaison.
Course coordinator for CS2318 (Assembly Language) (current)
Course coordinator for CS3358 (Data Structures and Algorithms)
Contributions in Graduate Comprehensive Examinations: question writing/proctoring/grading.
Promotional efforts (career days, seniors' nights, advertising, etc.).
Routine instructor for course offerings at the Round Rock Campus.
Mentoring students.
Mentoring junior faculty members (in teaching). (as needed)
Connecting promising students with other faculty for various appointments (especially research).
     (as requested)

C. Community:

Served as Worship Committee Chairman at Cheras Christian Church (Malaysia, pre-1986).

D. Professional:

Developed and maintained, then served as technical advisor for, database applications (notably a *financial and membership management system* and a *contacts information management system*) supporting the International Society for Applied Intelligence (ISAI), the International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems (IEA/AIE), and the International Journal of Applied Intelligence (APIN).
Society of Petroleum Engineers, Membership Chairman, Malaysian Section (1983/84).