

Curriculum Vitae : CHUAI-AREE, Somporn

Name Somporn Chuai-Aree
Date of Birth September 30, 1974
Place of Birth Nakhon Si Thammarat, Thailand
Nationality Thai
Religion Buddhism
Marital Status Single

Home Address (Thailand)

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Educational Background

Year	Degree	Institute	GPA
March 2001- present	Ph.D. Student (Mathematics)	University of Heidelberg, Heidelberg, Germany	-
Oct 2000	M.Sc. (Computational Science)	Chulalongkorn University, Bangkok, Thailand	3.89
May 1997	B.Sc. (Applied Mathematics)	Prince of Songkla University, Pattani, Thailand	3.45
1990 - 1993	Senior High School (Maths and Science, emphasis on Agriculture)	Thung Song School, Nakhon Si Thammarat, Thailand	2.92

1987 - 1990	Junior High School (Maths and Science, emphasis on Agriculture)	Kuankoei Sutthivittaya School, Nakhon Si Thammarat, Thailand	2.93
1982 - 1987	Primary School	Wad Kuankoei School, Nakhon Si Thammarat, Thailand	-

Research Projects

2001-present An Algorithm for Simulation and Visualization of Plants Growth with Their Environment : Prof. Jäger's Group "Applied Analysis" at IWR (Interdisciplinary Center of Scientific Computing), Ruprecht-Karls-Universität Heidelberg, Heidelberg, Germany (using OpenGL on IRIX System)

Advisor: Prof. Dr. Dr. h.c. Willi Jäger

1999-2000 An Algorithm for Simulation and Visualization of Plant Shoots Growth (using Delphi 5.0 and OpenGL on Microsoft Windows 98)

Advisors: Assoc. Prof. Suchada Siripant and Prof. Dr. Chidchanok Lursinsap

1996-1997 Database Management System for Student Affair of Faculty of Science and Technology, Prince of Songkla University, Pattani Campus (using Microsoft Access version 7.0 on Microsoft Windows 95)

Advisors: Assist. Prof. Sunan Thongsrinuch and Rattikarn Saelim

Publications

1. Animating plant growth in L-system by parametric functional symbols, Proceeding of International Conference on Intelligent Technology 2000, December 13-15, 2000, pp. 135-143, Assumption University Bangkok, Thailand.
2. Fuzzy C-Mean: A statistical feature classification of text and image segmentation method, Proceeding of International Conference on Intelligent Technology 2000, December 13-15, 2000, pp. 279-284, Assumption University Bangkok, Thailand.

Working experiences

May,1997-present Lecturer in Introduction to Computer, Introduction to Computer Programming, Operating System, Computer System, Information Technology and Mathematical Modelling for undergraduate students, Department of Mathematics and Computer Science, Faculty of Science and Technology, Prince of Songkla University, Thailand

*June,1998 - Oct,2000 Leaving for M.Sc. (Computational Science), Chulalongkorn University, Bangkok, Thailand

Scholarships and Awards

2001- present Ph.D. Scholarship from Thai Government, Thailand
1999-2000 M.Sc. Scholarship from Thai Government, Thailand
1998-1999 TAB Foundation Scholarship, Chulalongkorn University, Bangkok, Thailand
1994-1996 B.Sc. Scholarship from Thai Government, Thailand

Skills and Qualifications

Computer Languages C, Pascal, Delphi, Visual Basic, HTML, OpenGL, MPI, basic knowledge in C++ and JAVA
Computer OS Microsoft Windows 3.1/95/98/ME/2000/NT, Unix/Linux/IRIX
System Administration Novell Netware/Unix/Linux

Research Interests

Simulation and Visualization of Plant Growth, Lindenmayer systems (L-systems), Plant Model, Numerical Analysis, Image Processing, Computational Biology, Parallel Processing, Simulation and Optimization, and Computational Science

Activities

1995-1996 Student Representative of Student Union, Prince of Songkla University, Pattani Campus, Thailand.
1994-1995 Student Representative of Faculty of Science and Technology, Prince of Songkla University, Pattani Campus, Thailand.

Languages

Thai (Native Language), English and basic of German.