

Dr. Chonchanok Viravan

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Current Position: Advisor to Minister of Science and Technology, Khunying Kulaya Sophonphanit
January 2009 - present

Education Background

Ph.D. in Computer Science, Purdue University, West Lafayette, Indiana	May 1994
Master of Science in Computer Science Purdue University, West Lafayette, Indiana	May 1985
Bachelor of Science in Computer Science University of South Carolina, Columbia, South Carolina	May 1983

Past Key Positions:

- ***President of International Federation of Business and Professional Women (BPW International)*** (June 2005-Oct 2008)
- Chair of BPW International Committee on United Nations Status of Women (Oct 2002-June 2005)
- Vice President, BPW International (Oct 2002-June 2005)
- Vice President, United Oversea Bank (Thai) PCL - on E-Business (Nov 2005-Nov 2006)
- Vice President, Bank of Asia, PCL - on e-Marketing and web service (Nov 2004 – Nov 2005) and e-Partnership Management (April 2001 – Oct 2004)
- Asia-Pacific Regional Coordinator, BPW International (July 1999-Oct 2002)
- Assistant to Prime Minister Chuan Leekpai, Office of the Secretariat to the Prime Minister (Sept 2000 – Nov 2000)
- Initiator and chair of Adjudicators of BPW International Competition “Beyond 2000: Helping Women Help Themselves” (1997-2005) and “Power to Make a Difference”, (2005-2008)
- Representative to United Nations ESCAP for BPW International (July 1996 – 2008)
- Head of Software and Language Engineering lab (formerly Software Technology Lab), National Electronic and Computer Technology Center (NECTEC), (Oct 1994 - Oct 2000)
- Invited Professor, National Institute of Development Administration, (Oct 1995-Feb 1996)
- Invited Professor, Mahidol University, (June 1995 – Oct 1997)
- Research/Teaching Assistant, Computer Science Department, Purdue University (1987 – 1994)
- Programmer, Graduate School Office, Purdue University (1985 – 1986)

Awards, Scholarships, Honors

- ***Outstanding Women of Thailand on International Networking award from Ministry of Social Development and Human securities, Thailand*** (8 March 2006)
- Winner of Awards for Publication Excellence (APEX™, USA) for the Most Improved / Intranet Web site www.bpw-international.org (July 2008).
- Outstanding Alumni of Computer Science Department, Purdue University, (7 Sept 2007)
- Hazrat Khadija Tul Kulbra award, Pakistan Federation of Business and Professional Women (Jan 2006).
- Outstanding Alumni of Chulalongkorn University Demonstration School (July 2005)
- Government delegate for Thailand for Commission on Status of Women 46th-47th session (March 2002 and March 2003).
- A scholarship from United Nations Division on Advancement of Women to attend Commission on Status of Women 47th Session at United Nations, New York (March 2003)
- Women Inspire 2002 Award for being one of the top 3 finalists for Women in IT category (competed among 10 countries in Asia-Pacific), Singapore (Nov 2002).
- Winner of Jennifer Cox Award for Exhibit of Asia-Pacific Accomplishments during 1999-2002 from BPW International - Co-winner with Africa, (Oct 2002)
- Biography published in “Women who make a difference: Creative Force for the Development of the Country” Volume III by Gender and Development Research Institute of Thailand (2000)

- Ladies of the Year in IT executive and researcher category, awarded by Foundation for Thai Society (1999).

Experience / Expertise / Accomplishments:

1. Intercultural Management / International Networking

- *Managed BPW International*, which has over 25,000 business and professional women in 90 countries and holds consultative status to the United Nations and has participatory status to the Council of Europe. Experience in intercultural conflict resolution and win-win negotiation.
- Increased number countries with BPW members from 80 countries to 90 countries.
- *Worked with International partners* including United Nations, APEC, Global Summit of Women, International Council of Women, Zonta International, International Federation of University Women, BOVESPA, local governments such as Taiwan, Mexico, etc.
- *Strengthen BPW advocacy* at the United Nations (by increased BPW participation at UN meetings 15 times, from 16 members in 2003 to 240 BPW members in 2008 and trained members on advocacy skill). Also successfully expand international platform for advocacy by applying BPW International to become members of Civil Society for Organization of American States (OAS).
- *Initiated International competitions to improve status of women:* BPW International competitions: “Beyond 2000: Helping Women Help Themselves” and “BPW Power to Make a Difference” inspire BPW members to improve status of women through their leadership, actions and advocacy. Projects submitted for these competitions helped over 200,000 women to sustain themselves financially during 1996-2008.

2. E-Business

- Manage e-commerce payment gateway services for commercial customers, on-line marketing, on-line customer relationship for UOB Bank / Bank of Asia PCL (2005-2006)
- Organize APEC e-business training twice at UNESCAP in 2005 and 2006 in partnership with Asia-Pacific Women Information Network
- *Get funding support for e-Business training:* Obtained APEC Education Foundation funding to subsidize 42 BPW members in APEC region to attend e-Business Training in Korea or e-Business seminar in Bangkok (2004-2005).

3. Organization Review and Reform Recommendations

- Reform BPW International during 2006-2008, especially in strengthen its financial position, where surplus in 2006-2007 was approximately 30% of its income and the use Information and Communication Technology (ICT) to improve dynamism and continuity of BPW management and to improve communication and online member services.

4. Strategic Planning / ICT Policy

- Draft a strategic plan for using Science and Technology for recovery from Financial Crisis for Ministry of Science and Technology (01/2009 – present)
- Assessed government’s IT policies (e.g., e-ASEAN, e-Thailand, e-Government) and submitted recommendation that not impose tariff on e-Commerce for e-ASEAN to Prime Minister Chuan Leekpai, 9/2000 – 11/2000).
- Conducted research and wrote National IT policy “IT for Good Governance” in the project “IT Utilization in the Public sector phase II” for National Information Technology Committee (NITC). The research proposed measures that were later approved by the Cabinet, such as Government IT Award, Chief Information Officers (CIO), Strategic IT Training for Executives in Public Sector, IT Career Path, etc. (1997-1998).

- Help prevent Y2K problems from effecting the payroll of over a million civil servants by successfully lobbying Deputy Prime Minister to overturn National Budget Bureau's decision in order to give grant budget for replacing computer system at Central Accounting Bureau, Ministry of Finance. The change was proved to be right as the old system did fail to function in year 2000.
- Conducted research and developed IT Strategy for various government agencies including
 - (1) A proposal to establish *National Institute of Technology for Education* for Ministry of University Affair (2000)
 - (2) Framework for Government IT Procurement Regulation, for NITC (1999)
 - (3) IT Master plan for Office of Information Commission's Committee (1999),
 - (4) IT Master plan for Operation Department, Ministry of Labour (1995 - 1996),
 - (5) IT Master plan for Parliament (1999 – 2000)
 - (6) A proposal to establish the subcommittee on IT for the Disable for NITC (4/98–6/98)
- Chaired Sub-committee on Small Software Grant. Initiated Small Software Competition to promote youth interest in learning how write software programs. The strategy increased youth participation by 700% during 1995-1999. This competition is later evolved into Annual National Software Competition.
- Recommend software procurement scheme for Ministry of Education to outsource software development for unlimited distribution instead of purchase per license.

5. Digital Archives

Lead the development of the following archives

- *Digital Archives for BPW International*: archive for management decisions making,
- *Thailand Cultural Digital Archive* for Office of National Cultural Commission under initiative of HRH Princess Maha Chakri Sirindhorn's IT projects (The largest digital archive of Thai Culture on the web as of January 2000).
- *ASEAN-India Digital Archives* in collaboration with 10 countries.
- *Thai Junior Encyclopedia Project* by the Command of His Majesty the King in The Royal Golden Jubilee Network web.

6. Web Design and Management

- Redesign BPW International web site www.bpw-international.org, which won 2008 APEX awards from APEX™, USA for the Most Improved / Intranet Web site.
- Manage and design new e-business web site www.uob.co.th and its related online financial services (2005-2006)
- Manage and design on-line services for Bank of Asia's web site www.BankAsia4U.com (2001-2004)

7. Software Engineering

- *Managed Research Lab* that focused on IT, software development, and software engineering.
- *Led several software projects*, including Thai Semantic Search Tool (6/98 – 5/00); Software prototype for Data Directory Development for Office of Information Commission's Committee (10/98 – 3/99); Multimedia Math Authoring Tool (10/97 – 6/98); Office Automation for H.R.H. Princess Maha Chakri Sirindhorn's projects (5/95 – 9/99) and Empirical studies on the use of Spiral Model in Software Requirement Analysis (10/94 - 1996)
- *Designed Computer Aided Instructions (CAI) for* HRH Princess Maha Chakri Sirindhorn's IT projects, including (1) CAI for Early Intervention, (2) Assistive Technology for IQ Testing.
- *Managed Y2K project* within NECTEC and assist National Y2K Center in NECTEC (1999).
- *Taught graduate level software development courses* on "Software Design and Development" at Mahidol University (6/1995-10/1997) and on "Decision Support Systems and Expert Systems" at National Institute of Development Administration, (10/1995 – 2/1996)
- *Research on Enhancing Debugging Technology* (1991-1994) – PhD. Thesis topic
- *Research Assistant, Computer Science Department at Purdue University* on Design Format Transformation and Design Testing project (1990 – 1994)
- *Teaching Assistant, Computer Science Department at Purdue University* on Programming language, Compiler, Operating system, and FORTRAN classes. (1987 - 1989)
- *Programmer, Graduate School Office* at Graduate School Office, Purdue University (1985 – 1986)

8. Organized International Conferences / workshops

- The XXVI BPW International Congress, Mexico City, Mexico on 24-28 October 2008, which was attended by business and professional women from over 50 countries.
- APEC Forum on Digital Economy for Women 2006: Innovation and Leadership (2006),
- E-Business and Opportunities for Women in Asia-Pacific at UN ESCAP in Bangkok (2005),
- APEC's Women Leaders Network (WLN) in Chiang-Mai, Thailand (2003),
- BPW Asia-Pacific Regional Conference in Bangkok (2001),
- Workshops at UN Commission on Status of Women (CSW) in New York on ICT, Peace, Violence Against Women, Beijing+10 Review, Return on Investment when more women became top executives and Corporate Social Responsibilities (2003-2008)
- ASEAN-India "Multimedia for Education" meeting, Chiang Mai (1997).

9. Executive Training / Gave Talks

- Gave talks in Thailand and at International level: some key topics include leadership, win-win negotiation skill, organization reform, corporate social responsibility, digital archives, e-Business, e-Commerce, Internet Banking, e-Marketing strategy, Web Management, payment gateway, Gender and ICT, at APEC Women's Leader Network Meeting, APEC Digital Economy for Women conference, Global Summit of Women Conference, International Labour Organization (ILO), UN ESCAP, and Business and Professional Women meetings world-wide.
- Trained how to develop Y2K Contingency Plan for over 200 government agencies. Led a team to review and suggest improvement to Y2K Contingency plans for 78 government agencies. (1999).
- Taught Technology to Executive, including
 - (1) Web Design Development course for HRH Princess Maha Chakri Sirindhorn (1997).
 - (2) Executive Briefing on Internet for former Prime Ministers Chuan Leekpai and members of the Parliament, and other top executives in both the public and private sector (1996).
 - (3) Y2K course for Chief Information Officers from every government agency (1999).

10. Gender

- Conducted research and gave talks on
 - "Return on Investment When Women became Top Executives", BPW workshop during CSW 2006.
 - "Beijing+10 Review: Two Steps Forward and One Step Back", BPW workshop during CSW 49th Session in 2005. Also develop on-line archive to reflect advancements or set backs for women with respect to 40 countries for CSW 49th session (2005).
 - "Financial Crisis that Breaks the Glass Ceiling: Advancement of Thai Women Executives in Private Sectors" for Beijing+10 Review (2004),
 - "Women and Economy in Thailand" for Beijing+5 Review (1999)
- Obtained Project Five-O funding for BPW *Phuket's Tsunami Relief project* (2005)
- Promote BPW for BPW *Global Peace Village in Sri Lanka*. By the end of 2004, BPW affiliates donated money to build 30 houses for refugees.

Advisory roles

- Advisor to former Deputy Prime Minister Trairong Suwannakiri (7/99 – 12/00)
- Advisor to former Deputy Minister of Education, Arkom Enchuan (12/98 – 6/99)
- Advisor to Thai Junior Encyclopedia Project by Royal command of H.M. the King (12/97 – present)
- Advisor to Asia-Pacific Women Information Network Center, Seoul, Korea (2005 - present)
- Member of International Planning Committee, Global Summit of Women (2005- 2008)
- Member of Advisory subcommittee on Foreign Affairs for Office of National Committee on Women Affairs, Office of the Prime Minister, (10/01 – 2002)
- Advisor to master students in Computer Science at Mahidol University,