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Assistant Professor

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**Education:**

2000 Ph.D (Electrical and Computer Engineering), University of Massachusetts, Amherst, USA  
1996 MS. (Computer Engineering), University of Southern California, Los Angeles, USA  
1990 B.Eng. (Electrical Engineering), Prince of Songkla University, Had Yai, Thailand  
1986 Primary-High School, Saint Gabriel's College, Bangkok, Thailand

**Professional Experience:**

2002-current Assistant Professor, Computer Engineering Dept., Kasetsart University, Thailand  
2001-current Assistant Director, Office of Computer Services, Kasetsart University, Thailand  
2000-2002 Lecturer, Computer Engineering Department, Kasetsart University, Thailand  
1991-1994 Engineer in Engineering Department, Nawaloha Industry Co.,Ltd., Thailand  
1990-1991 Reliability Engineer, Advanced Micro Devices, AMD(Thailand)

**Awards:**

1998-1999 Outstanding Graduate Teaching Assistance Award, ECE Dept., UMass, Amherst  
1999-2000 Outstanding Graduate Teaching Assistance Award, ECE Dept., UMass, Amherst

**Research Interests:**

Wireless Local Area Network; WLAN Protocol design and analysis; Data communications and Computer Networks

**Selected Publications:**

- Ganz, Aura, Kitti Wongthavarawat, and **Anan Phonphoem**, "Q-Soft: software framework for QoS support in home networks," The International Journals of Computer and Telecommunications Networking, Vol.42, Issue 1, p7-22, May 2003
- Ganz, Aura, Kitti Wongthavarawat, and **Anan Phonphoem**, "Integration on Multimedia Interactive Web Tools with In-Class Active Learning", The Journals of Mathematics and Science, Vol.4, No.1, p85-100, 2001
- Ganz, Aura, **Anan Phonphoem**, and Kitti Wongthavarawat, "Multimedia Friendly Home Wireless LANs", Telematics and Informatics on Mobile Computing and Networking Technologies: Social and Economical Impacts, Vol.18, p195-209, 2001
- Ganz, Aura, **Anan Phonphoem**, and Zvi Ganz, "Robust SuperPoll with Chaining Protocol for IEEE 802.11 Wireless LANs in Support of Multimedia Applications", Wireless Networks, Vol.7, p65-73, 2001
- **Phonphoem, Anan**, and Nattapong Tongrungsri, "Neighbor Option Path Mechanism for Ad Hoc Network Routing," The 4th Information and Computer Engineering Postgraduate Workshop 2004 (ICEP 2004), Phuket, Thailand, Jan 22-23, 2004, p1-6.
- Khacharoen, Tanomsak, and **Anan Phonphoem**, "A Power Saving Mechanism in Ad Hoc Network with Quality of Service Support," The 2003 International Conference on Information and Communication Technologies (ICT 2003), Bangkok, Thailand, April 2003, p119-124.
- Hantrakoon, Sarayut, and **Anan Phonphoem**, "Performance Analysis for the IEEE 802.11 DCF with QoS Support Mechanism," 3rd Information and Computer Engineering Postgraduate Workshop 2003 (ICEP 2003), Songkla, Thailand, Jan 2003, p20-26.
- Faknoi, Attapon, and **Anan Phonphoem**, "Encryption Broker for 802.11 Wireless Networks," 3rd Information and Computer Engineering Postgraduate Workshop 2003 (ICEP 2003), Songkla, Thailand, Jan 2003, p113-118.
- **Phonphoem, Anan**, and Aphirak Jansang, "A Simple Network Management Architecture for Supporting Network Administrator and QoS Requirements," 15th International Conference on Computer Communication (ICCC 2002), Mumbai, India, Aug. 11-14, 2002.
- **Phonphoem, Anan**, and Akaraphon Kumpisut, "VCMP: Vicinity Connection Maintenance Protocol for Centralized Wireless LANs," 2nd Asian International Mobile Computing Conference (AMOC 2002), Langkawi, Malaysia, May 2002, p64-68.