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## CURRICULUM VITAE

### **Pairoj Khawsithiwong, Ph.D.**

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Silpakorn University  
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### **ACADEMIC QUALIFICATIONS**

February 2001 - December 2005      Doctor of Philosophy, Curtin University of Technology.

**Thesis Title:**

**Statistical Process Monitoring and Control  
Techniques for Autocorrelated Processes.**

May 1993 - November 1996      Master of Science, Chulalongkorn University.

**Thesis Title:**

**A Comparison on the Power of the Test  
Statistics for Regression Coefficients of  
Heteroscedastic Linear Models.**

June 1989 - October 1992      Bachelor of Science, Kasetsart University.

### **RESEARCH INTERESTS**

- Statistical Quality Control.
  - Time Series Analysis.
  - State Space Models and Robust Filter.
  - Statistical Information Theory.
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## TEACHING EXPERIENCE

June 2006 - Present

### Silpakorn University

515 424 Statistical Forecasting Techniques.

515 426 Statistical Data Analysis.

515 312 Statistical Theory II.

515 201 Elementary Statistics I.

515 571 Computer for Statistical Analysis.

515 517 Time Series and Forecasting.

November 1996 - February 2001

### Silpakorn University

515 322 Fundamental of Statistical Quality Control.

515 421 Introduction to Experimental Designs.

515 201 Elementary Statistics I.

## JOURNAL ARTICLE

1. Khawsithiwong, P. and Yatawara, N. (2007), "Monitoring Process Variability with Individual Measurements from Elliptically Contoured Distributions." *Communications in Statistics: Simulation and Computation* 36(3), 699-718.

## CONFERENCE PROCEEDINGS

1. khawsithiwong, P. (2007), "A Choice of Smoothing Parameters for EWMAD Control Chart When a Process Mean Shifts." การประชุมวิชาการสถิติและสถิติประยุกต์ ประจำปี 2550, ชะอำ, เพชรบุรี
2. Khawsithiwong, P. and Yatawara, N. (2006), "Residual Based MDI Control Chart." การประชุมสถิติประยุกต์ระดับชาติ ประจำปี 2549, กรุงเทพมหานคร
3. Khawsithiwong, P. and Yatawara, N. (2006), "Robust Filter with Multivariate Generalized Laplace Measurement Noise." การประชุมวิชาการสถิติและสถิติประยุกต์ ประจำปี 2549, เมืองพัทยา, ชลบุรี

## PRESENTATIONS AND ABSTRACTS

1. Yatawara, N. and Khawsithiwong, P. (2005), "Monitoring Process Variability with Individual Measurements from Elliptically Contoured Distributions." ISBIS4 Conference, Plam Cove, Australia.
  2. Khawsithiwong, P. and Yatawara, N. (2004), "Forecast Based Control Chart with Minimum Discrimination Information." ASC 2004 Australian Statistical Conference, Cairns, Australia.
  3. Yatawara, N. and Khawsithiwong, P. (2001), "An Information Theoretic Approach to Test Homogeneity in a Beta-Gamma AR(1) Mixture Model." Conference on Recent Developments in Mixture Models, Hamburg, Germany.
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