CURRICULUM VITA

YU-LIEH HUANG

(As of January 1, 2018)

OFFICE ADDRESS

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GRADUATE EDUCATION

Ph.D. (Economics) National Taiwan University, June 2002

M.A. (Economics) National Taiwan University, June 1996

RESEARCH FIELDS

Econometric Theory, Time Series Analysis, Macroeconometrics, Financial Time Series

TEACHING FIELDS

Mathematical Finance, Statistics, Econometrics

PROFESSIONAL POSITION

Professor (August 2015 – Present), Department of Quantitative Finance, National Tsing Hua University.

Associate Professor (August 2007 – 2014), Department of Quantitative Finance, National Tsing Hua University.

Assistant Professor (August 2002 – August 2007), Department of Quantitative Finance, National Tsing Hua University.

Lecturer (February 2001 – July 2002), Department of Economics, National Taiwan University.

HONORS

Outstanding Teaching Award, College of Technology Management, NTHU, 2010.

Outstanding Dissertation Award, S.-C. Tsiang Memorial Foundation, 2001.

RESEARCH SUPPORT

National Science Council, Taiwan, August 2013 – July 2014.
Project: Robust asset price bounds in incomplet markets.

National Science Council, Taiwan, August 2012 – July 2013.
Project: Uncertain effects of shocks: Evidence from U.S. and U.K.

Council for Economic Planning and Development, May 2012 – October 2012.
Project: Reference cycles: the methodology revisited.

National Science Council, Taiwan, August 2011 – July 2012.
Project: Real time measurement of business conditions with large datasets.

National Science Council, Taiwan, August 2010 – July 2011.
Project: International macroeconomic dynamics: A global factor-augmented vector autoregressive approach.

Council for Economic Planning and Development, November 2010 – May 2011.
Project: Selecting the component series for the composite indicators: A LARS approach.

National Science Council, Taiwan, August 2009 – July 2010.
Project: Particle filtering for temporal disaggregation model.

National Science Council, Taiwan, August 2008 – July 2009.
Project: The Great Depression and the uncertain trend.

National Science Council, Taiwan, August 2007 – July 2008.
Project: Estimating monthly GDP in an exact kalman filter framework with regime switching and Gibbs sampling.

National Science Council, Taiwan, August 2006 – July 2007.
Project: Alternative estimation algorithms for innovation regime-switching models: Performance comparison and application.

Council for Economic Planning and Development, April 2006 – October 2006.
Project: Estimating monthly GDP in an exact Kalman filter framework.

National Science Council, Taiwan, August 2005 – July 2006.
Project: A new approach to identifying the long-run purchasing power parity.

Council for Economic Planning and Development, June 2005 – November 2005.
Project: Identifying and predicting turning points in Taiwan's business cycle.

National Science Council, Taiwan, August 2004 – July 2005.
Project: A new approach to measuring financial contagion.

Council for Economic Planning and Development, September 2004 – February 2005.
Project: Reference cycles: the CEPD methodology revisited.

National Science Council, Taiwan, July 2004 – February 2005.
Project: Research project for undergraduates, 2004.

National Science Council, Taiwan, August 2003 – July 2004.
Project: A new approach to testing permanent income hypothesis.

National Science Council, Taiwan, July 2003 – February 2004.
Project: Research project for undergraduates, 2003.

National Science Council, Taiwan, October 2002 – July 2003.
Project: Bayesian inference for mean shifts in general semi-nonstationary process.

PUBLISHED ARTICLES

Huang, Y.L. and C.M. Kuan, "Text Mining of the FOMC Minutes and Forecasts of Taiwan Economic Variables" (in Chinese), *Taiwan Economic Review*, Forthcoming.

Wu, J.Y. and Y.L. Huang, Impact of US and Japan Quantitative Easing Policies on Taiwan: A GVAR Approach" (in Chinese), *Taiwan Economic Forecast and Policy*, **48**, 1-39, 2017.

Chen, J-H, Y.L. Huang and J.R. Chang, "Robust Good-Deal Bounds in Incomplete Markets: The Case of Taiwan," *Hitotsubashi Journal of Economics*, **58**, 53-67, 2017.

Chen, S.L. and Y.L. Huang, "Taiwan Business Reference Series Re-examination" (in Chinese), *Taiwan Economic Forecast and Policy*, **46**, 1-42, 2015.

Chen, S.L. and Y.L. Huang, "Actuarial Implications of Structural Changes in El Nino-Southern Oscillation Index Dynamics," Annals of Financial Economics, **9**, 125-138, 2014.

Huang, Y.L. and C.H. Huang, "Uncertain Effect of Shocks vs. Uncertain Unit Root: An Alternative View of U.S. Real GDP," *Hitotsubashi Journal of Economics*, **56**, 117-134, 2014.

Bao, Xiaohue, H. Huang, Y.L. Huang, and P.T. Lin, "Volatility Clustering in Land Markets," *Property Management*, **32**, 378-385, 2014.

Huang, Y.L, J.T. Tsay, S.S. Yang, and H.W. Cheng, "Price bounds of mortality-linked security in incomplete insuarance market", *Insurance: Mathematics and Economics*, **55**, 30–39, 2014.

Kuan, C.M., C.C. Hsu, Y.L. Huang and S.H. Hsu, "Financial conditions and the macroeconomy in Taiwan" (in Chinese), *Taiwan Economic Forecast and Policy*, **40**, 103–132, 2014.

Chen, S.L. and Y.L. Huang, "An evaluation of component series of business indicators: An application of LARS method" (in Chinese), *Taiwan Economic Forecast and Policy*, **44**, 133–170, 2014.

Chen, S.L., C.H. Huang and Y.L. Huang, "International economic linkages between Taiwan and the world: A global vector autoregressive approach", *Academia Economic Papers*, **40**, 343–375, 2012.

Lin, C.C., Y.L. Huang and C. Lu, "Estimating mortgage prepayment rates using the Gibbs-sampling approach", *Advances in Financial Planning and Forecasting*, **5**, 215–230, 2012.

Huang, Y.L., "Measuring business cycles: A temporal disaggregation model with regime switching", *Economic Modelling*, **29**, 283–290, 2012.

Huang, Y.L., "Estimating Taiwan's monthly GDP in an exact Kalman filter framework", *Taiwan Economic Review*, **38**, 147 – 160, 2010.

Huang, Y.L., "Identifying turbulent and calm regimes in Stock Prices: Evidence from the Taiwan stock market", *Applied Economics Letters*, **14**, 1477 – 1481, 2009.

Huang, Y.L., C.-H. Huang and C.M. Kuan, "Re-examining the permanent income hypothesis with uncertainty in permanent and transitory innovation states", *Journal of Macroeconomics*, **3**, 1816 – 1836, 2008.

Huang, Y.L., C.W. Ho, "Beyond the bull and the bear: Demarcating stable and turbulent regimes in stock markets" *Economic Bulletin*, **3**, 1 – 11, 2008.

Huang, Y.L., "An alternative estimation algorithm for innovation regime-switching models", *Applied Economics Letters*, **15**, 225 – 229, 2008.

Huang, Y.L. and C.H. Huang, "The persistence of Taiwan's output fluctuations: An empirical study using innovation regime-switching model", *Applied Economics*, **39**, 2673 – 2679, 2007.

Huang, Y.L., "On the pricing of collateralized debt obligation: A copula function approach" (in Chinese), *Academia Economic Papers*, **35**, 21 – 52, 2007.

Kuan, C.M., Y.L. Huang and R.S. Tsay, "An unobserved-component model with switching permanent and transitory innovations", *Journal of Business and Economic Statistics*, **23**, 443 – 454, 2005.

Huang, Y.L., C.C. Hsu and H.W. Chen, "Reference cycles: The CEPD methodology revisited" (in Chinese), *Taiwan Economic Review*, **33**, 295 – 319, 2005.

Huang, Y.L., C.M. Kuan, and K. Lin, "Identifying the turning points of business cycles and forecasting economic growth rates in Taiwan" (in Chinese), *Taiwan Economic Review*, **26**, 431 – 457, 1998.

WORKING PAPERS

"Uncertain Effects of Shocks vs. Uncertain Unit Root: An Alternative View of U.S. Real GDP" with C.-H. Huang.

"Re-examining Long-Run PPP under an innovation regime-switching framework" with C.-M. Kuan.

CONFERENCE PRESENTATIONS AND SEMINARS

The 15^{th} International Congress on Insurance: Mathematics and Economics, Trieste, June 14, 2011. Paper presented: "Modeling temperature dynamics for aquaculture index insurance in Taiwan: A nonlinear quantile approach."

The 13^{th} International Congress on Insurance: Mathematics and Economics, Turkey, May 26, 2009. Paper presented: "Modelling El Nino dynamics, with application to pricing ENSO-Based index insurance for Pero."

The Asia-Pacific Risk and Insurance, Sydney, July 6, 2008. Paper presented: "Modeling El Nino dynamics."

The 62th European Meeting of the Econometric Society, Budapest, August 27, 2007. Paper presented: "Re-examining long-run PPP under an innovation regime-switching framework."

The 61th European Meeting of the Econometric Society, Vienna, August 24, 2006. Paper presented: "Re-examining long-run PPP under an innovation regime-switching framework."

2006 International Symposium on Econometric Theory and Application (SETA2006) Xiamen, April 4, 2006. Paper presented: "Re-examining long-run PPP under an innovation regime-switching framework."

The 59th European Meeting of the Econometric Society, Madrid, August 20, 2004. Paper presented: "Testing intertemporal rational expectations model with state uncertainty: An application to the permanent income hypothesis."

2004 Far Eastern Meeting of the Econometric Society, Seoul, June 30, 2004. Paper presented: "Testing intertemporal rational expectations model with state uncertainty: An application to the permanent income hypothesis."

2003 Open Economic and Macroeconometric Model Conference, Taipei, October 23, 2003. Paper presented: "Testing intertemporal rational expectations model with state uncertainty: An application to the permanent income hypothesis."

2001 Taipei International Quantitative Finance Conference, Taipei, July 3, 2001. Paper presented: "The semi-nonstationary process: Model and empirical evidence."

2001 Far Eastern Meeting of the Econometric Society, Kobe, July 20, 2001. Paper presented: "The semi-nonstationary process: Model and empirical evidence."

2001 Macroeconometric Model Conference, Taipei, December 13, 2001. Paper presented: "The semi-nonstationary process: Model and empirical evidence."

PROFESSIONAL ACTIVITIES

Referee for:
Academia Economic Papers
Applied Economics
Chaoyang Business and Management Review
Chiao Da Management Review
Economics Bulletin
Economics Research
Industry Forum
Journal of Business Cycle Measurement and Analysis
Journal of Economics and Management

Journal of Econometrics
Journal of Financial Studies
Journal of Management & Systems
Journal of Social Science and Philosophy
Journal of the Chinese Statistical Association
Pacific Economic Review
Review of Financial Risk Management
Review of Securities and Futures Markets
Soochow Journal of Economics and Business
Taipei Economic Inquiry
Taiwan Economic Review
Taiwan Economic Forecast and Policy
Tamkang Journal of Science and Engineering