

THE 17TH INTERNATIONAL SYMPOSIUM ON ECONOMETRIC THEORY AND APPLICATIONS (SETA 2023)

**Seminar Room 5-2
School of Economics, Level 5**

Singapore Management University
90 Stamford Road
Singapore 178903

7 – 8 July 2023
Friday – Saturday



Presented by



School of
Economics

COMMITTEES

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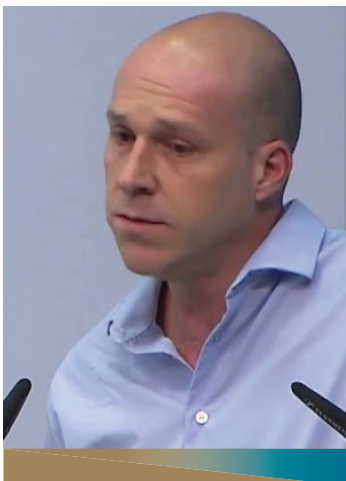
Jun Yu, Member

Singapore Management University

Yichong Zhang, Chair

Singapore Management University

KEYNOTE SPEAKERS



PROFESSOR OLIVIER COIBION

**Malcolm Forsman Centennial Professor of Economics
The University of Texas at Austin**

Olivier Coibion is the Malcolm Forsman Centennial Professor of Economics at The University of Texas at Austin. He received a BA in Economics and Political Economy from the University of California at Berkeley (1999) and a Ph.D. from the University of Michigan at Ann Arbor (2007). He works on macroeconomic topics, including monetary policy, how agents form their expectations, inflation measurement, commodity prices, inequality, the efficacy of stimulus payments, and policy communication. Prior to joining UT Austin, Olivier worked at the International Monetary Fund, the Council of Economic Advisers, the Brookings Institution, and the College of William and Mary. He is also affiliated with the National Bureau of Economic Research and serves as a consultant to a number of central banks.



PROFESSOR ISAIAH ANDREWS

**Professor of Economics
Massachusetts Institute of Technology**

Isaiah Andrews is a Professor of Economics at MIT, a Research Associate at the National Bureau of Economic Research (NBER), a fellow of the Econometric Society, and a co-editor at the American Economic Review. He specializes in econometrics. He received a MacArthur fellowship in 2020 and the John Bates Clark Medal in 2021.



PROFESSOR YACINE AÏT-SHALIA

**Otto A. Hack 1903 Professor of Finance and Economics
Princeton University**

Yacine Aït-Sahalia is the Otto A. Hack 1903 Professor of Finance and Economics at Princeton University where he served as the inaugural Director of the Bendheim Center for Finance from 1998 until 2014. He was previously an Assistant Professor (1993-96), Associate Professor (1996-98) and Professor of Finance (1998) at the University of Chicago's Graduate School of Business, where he received the Emory Williams Award for Excellence in Teaching in 1995. His research concentrates on financial econometrics, fixed income and derivative securities, optimal portfolio selection, and has been published in leading academic journals. His research contributions in financial econometrics include various methods to estimate and test continuous-time models that are sampled at discrete time intervals, including nonparametric methods, closed-form expansions for the transition density of continuous-time models and various methods to analyze high frequency data with a particular emphasis on the presence of jumps. He recently authored *High Frequency Financial Econometrics* with Jean Jacod, served as editor of the *Review of Financial Studies*, managing editor of the *Journal of Econometrics* and an associate editor for *Econometrica*, the *Journal of Finance* and the *Annals of Statistics*. Professor Aït-Sahalia is an elected Fellow of the Econometric Society, the Institute of Mathematical Statistics, the American Statistical Association and the Society for Financial Econometrics. He is also an Alfred P. Sloan Foundation Research Fellow, a Fellow of the Guggenheim Foundation and a Research Associate for the National Bureau of Economic Research. He received his Ph.D. in Economics from the Massachusetts Institute of Technology in 1993 and is a graduate of École Polytechnique in France.

INVITED SPEAKERS



PROFESSOR FEDERICO BUGNI

**Professor of Economics
Northwestern University**

Federico Bugni is a Professor of Economics at Northwestern University. He received his Ph.D. from the Department of Economics at Northwestern University in 2008. His research interests lie broadly in econometric theory and its applications, with an emphasis on microeconometrics. His topics of interest include inference in partially identified models, functional data, dynamic games, randomization methods, and covariate-adaptive randomization.



PROFESSOR SHUPING SHI

**Professor of Economics
Macquarie University**

Shuping Shi is an econometrician with a theoretically grounded and policy-relevant research agenda. She received the 2020 Discovery Early Career Researcher Award from the Australian Research Council and was honoured with the prestigious 2022 Young Economist Award by the Economic Society of Australia. Her scholarly work has garnered widespread recognition, with publications featured in esteemed academic journals such as *Management Science*, *Journal of Econometrics*, *International Economic Review*, and *Econometric Theory*. She played a pivotal role in the development of the PSY technique, a real-time bubble monitoring technique adopted by many institutions. Her journal articles have garnered over 2,400 citations since 2018.

GUIDELINES FOR PRESENTATION

PARALLEL SESSIONS

All presenters in the parallel sessions should arrive in advance and make sure that his/her presentation slides are loaded. Each presentation is allocated 25 minutes. Please respect the time limit. Session chairs have been assigned in the program. The chairs are advised to enforce the time constraints.

OVERVIEW OF THE PROGRAM

7 July Friday	
8:00 – 8:15	Registration
8:15 – 9:15	SETA Lecture: Professor Olivier Coibion
9:15 – 9:30	Coffee/Tea Break
9:30 – 10:45	Parallel Sessions 1: Session 1.1, 1.2, 1.3
10:45 – 11:00	Coffee/Tea Break
11:00 – 12:00	ET Lecture: Professor Isaiah Andrews
12:00 – 13:00	Lunch
13:00 – 14:00	Invited Speaker: Professor Federico Bugni
14:00 – 14:15	Coffee/Tea Break
14:15 – 15:55	Parallel Sessions 2: Session 2.1, 2.2, 2.3, 2.4
15:55 – 16:10	Coffee/Tea Break
16:10 – 17:50	Parallel Sessions 3: Session 3.1, 3.2, 3.3, 3.4
19:00	Conference Dinner

8 July Saturday	
8:00 – 8:15	Registration
8:15 – 9:15	SMU Lecture: Professor Yacine Aït-Sahalia
9:15 – 9:30	Coffee/Tea Break
9:30 – 10:45	Parallel Sessions 4: Session 4.1, 4.2, 4.3
10:45 – 11:00	Coffee/Tea Break
11:00 – 12:00	Invited Speaker: Professor Shuping Shi
12:00 – 13:00	Lunch
13:00 – 14:40	Parallel Sessions 5: Session 5.1, 5.2, 5.3
14:40 – 14:55	Coffee/Tea Break
14:55 – 16:35	Parallel Sessions 6: Session 6.1, 6.2, 6.3
17:00 – 18:00	Post-conference Social Gathering (food will be provided)

DETAILED PROGRAM

7 July | Friday

8:00 – 8:15 Registration (Seminar Room 5-2)

8:15 – 9:15 SETA Lecture (Seminar Room 5-2)

Chair : Yoosoon Chang, Indiana University

Presenter: Olivier Coibion, The University of Texas at Austin

9:15 – 9:30 Coffee/Tea Break (Level 5 Faculty Lounge)

9:30 – 10:45 **Parallel Sessions 1**

Session 1.1 (Seminar Room 5-2)

Chair : Fumio Hayashi, GRIPS

Title : *The Root Cause of Japan's 30-year Stagnation*

Presenter: Fumio Hayashi, GRIPS

Title : *Farewell President! Political Favoritism, Economic Inequality, and Political Polarization*

Presenter: Eik Leong Swee, University of Melbourne

Title : *The Effect of Clean Energy Investment on CO2 Emissions: Insights from a Spatial Durbin Model*

Presenter: Matthew Greenwood-Nimmo, University of Melbourne

Session 1.2 (Seminar Room 4-1)

Chair : Haroon Mumtaz, Queen Mary University of London

Title : *Climate Change and Income Inequality. An Empirical Analysis*

Presenter: Angeliki Theophilopoulou, Brunel University

Title : *The Unit-effect Normalisation in Set-identified Structural Vector Autoregressions*

Presenter: Matthew Read, Reserve Bank of Australia

Title : *Impulse Response Estimation via Flexible Local Projections*

Presenter: Haroon Mumtaz, Queen Mary University of London

Session 1.3 (Seminar Room 4-3)

Chair : Anthony Tay, Singapore Management University

Title : *Modelling of Seasonally Integrated Time Series*
Presenter: Natalia Bailey, Monash University

Title : *An Evaluation of Singapore's Survey of Professional Forecasters*
Presenter: Anthony Tay, Singapore Management University

Title : *Transformed Cointegration Models with Partially Linear Additivity*
Presenter: Yingqian Lin, Shanghai University of Finance and Economics

10:45 – 11:00 Coffee/Tea Break (Level 5 Faculty Lounge)

11:00 – 12:00 ET Lecture (Seminar Room 5-2)

Chair : Jun Yu, Singapore Management University

Presenter: Isaiah Andrews, Massachusetts Institute of Technology

12:00 – 13:00 Lunch (Level 5 Faculty Lounge)

13:00 – 14:00 Invited Speaker (Seminar Room 5-2)

Chair : Liyu Dou, Singapore Management University

Presenter: Federico Bugni, Northwestern University

14:00 – 14:15 Coffee/Tea Break (Level 5 Faculty Lounge)

14:15 – 15:55 Parallel Sessions 2

Session 2.1 (Seminar Room 5-2)

Chair : Serena Rhee, Chung-Ang University

Title : *The Demand for Telemedicine and the Opportunity Cost of Time*
Presenter: Kyeongbae Kim, Sejong University

Title : *Medical Expenditures over the Life-cycle:
Persistent Risks and Insurance*
Presenter: Minamo Mikoshiba, University of Tokyo

Title : *Family-Friendly Policies and Fertility: What Firms Got to Do with It?*
Presenter: Yuliya Kulikova, Okinawa Institute of Science and Technology & IIASA

Title : *Joint Design of Old-Age Pension and Means-tested Cash Transfers*
Presenter: Serena Rhee, Chung-Ang University

Session 2.2 (Seminar Room 4-1)

Chair : Bin Peng, Monash University

Title : *Comparing Factor Models with Conditioning Information*
Presenter: Seok Young Hong, Lancaster University

Title : *Revisiting Panel Data Discrete Choice Models with Lagged Dependent Variables*
Presenter: Fu Ouyang, University of Queensland

Title : *A Unified Framework for Estimation of High-dimensional Conditional Factor Models*
Presenter: Qihui Chen, The Chinese University of Hong Kong

Title : *Higher-order Expansions and Inference for Panel Data Models*
Presenter: Bin Peng, Monash University

Session 2.3 (Seminar Room 4-3)

Chair : Songnian Chen, Zhejiang University

Title : *Extreme Changes in Changes*
Presenter: Yuya Sasaki, Vanderbilt University

Title : *Quantile Regression with Group Level Treatments*
Presenter: Songnian Chen, Zhejiang University

Title : *A Semiparametric Stochastic Frontier Model for Analysing Cost Efficiency of Commercial Banks in the US*
Presenter: Xibin Zhang, Monash University

Title : *Robust Inference for GMM with Possibly Nonsmooth Moments*
Presenter: Byunghoon Kang, Lancaster University

Session 2.4 (Seminar Room 4-4)

Chair : Chen Zhang, Singapore Management University

Title : *Fractional Gaussian Noise: Spectral Density and Estimation Methods*
Presenter: Chen Zhang, Singapore Management University

Title : *Inference of Jumps Using Wavelet Variance*
Presenter: Heng Chen, Bank of Canada

Title : *Inference on Unit Roots and Cointegration in High-Dimensional or Functional Time Series*
Presenter: Won-Ki Seo, University of Sydney

Title : *Distinguishing Time-varying Factor Models*
Presenter: Zhonghao Fu, Fudan University

15:55 – 16:10 Coffee/Tea Break (Level 5 Faculty Lounge)

16:10 – 17:50 **Parallel Sessions 3**

Session 3.1 (Seminar Room 5-2)

Chair : Mototsugu Shintani, The University of Tokyo

Title : *Inflation Expectations and Consumer Spending: Micro-data Evidence*
Presenter: Junichi Kikuchi, Osaka University

Title : *The Effects of QQE on the Term Structure of Inflation Expectations in Japan*
Presenter: Naoto Soma, Yokohama National University

Title : *Nightless City: Impacts of Policymakers' Questions on Overtime Work of Government Officials*
Presenter: Munechika Katayama, Waseda University

Title : *Nowcasting Japanese GDP Using News Data and Machine Learning*
Presenter: Mototsugu Shintani, The University of Tokyo

Session 3.2 (Seminar Room 4-1)

Chair : Hiroshi Yamada, Hiroshima University

Title : *Spatial Smoothing Using Graph Laplacian Penalized Filter*
Presenter: Hiroshi Yamada, Hiroshima University

Title : *Network Interactions within an Endogenous Environment*
Presenter: Wei Shi, Jinan University

Title : *Fixed-T Estimation of Matrix-Valued Factor Models*
Presenter: Ying Lun Cheung, Capital University of Economics and Business

Title : *Identification of Dynamic Panel Logit Models with Fixed Effects*
Presenter: Kyoo il Kim, Michigan State University

Session 3.3 (Seminar Room 4-3)

Chair : Ruixuan Liu, Chinese University of Hong Kong

Title : *Covariate Adjustment in Experiments with Matched Pairs*
Presenter: Liang Jiang, Fudan University

Title : *Dynamic Treatment Effects with Endogenous and Varying-intensity Treatments*
Presenter: Dakyung Seong, University of Sydney

Title : *Tests for Heterogeneous Treatment Effect*
Presenter: Fangzhou Yu, University of New South Wales

Title : *Double Robust Bayesian Inference on Average Treatment Effects*
Presenter: Ruixuan Liu, Chinese University of Hong Kong

Session 3.4 (Seminar Room 4-4)

Chair : Cheng Liu, Wuhan University

Title : *Asymptotically Efficient Estimation for Fractional Brownian Motion with Additive Noise*
Presenter: Tetsuya Takabatake, Hiroshima University

Title : *A Multi-Step Approach for Integrated Covariance Matrix Estimation with High-Frequency Data*
Presenter: Cheng Liu, Wuhan University

Title : *Lasso and Post-Lasso Inference for Multiple Threshold Regression with an Application to Return Predictability*
Presenter: Chenchen Ma, Peking University

19:00

Conference Dinner

Esplanade Room 1 & 2, Level 4
Carlton Hotel, 76 Bras Basah Road, Singapore 189558

DETAILED PROGRAM

8 July | Saturday

8:00 – 8:15 Registration (Seminar Room 5-2)

8:15 – 9:15 **SMU Lecture (Seminar Room 5-2)**
Chair : Jia Li, Singapore Management University
Presenter : Yacine Ait-Sahalia, Princeton University

9:15 – 9:30 Coffee/Tea Break (Level 5 Faculty Lounge)

9:30 – 10:45 **Parallel Sessions 4**

Session 4.1 (Seminar Room 5-2)
Chair : Boyan Lee, Yonsei University

Title : *Portfolio-driven Households' Attention*
Presenter : Shihan Xie, University of Illinois

Title : *ESG Index and Macroeconomic Risks in the U.S.*
Presenter : Boyan Lee, Yonsei University

Title : *What Causes the Real Estate Bubble? Evidence from Thailand*
Presenter : Yuthana Sethapramote, National Institute of Development Administration

Session 4.2 (Seminar Room 4-2)
Chair : Arnaud Maurel, Duke University

Title : *High Dimensional Binary Choice Model with Unknown Heteroskedasticity or Instrumental Variables*
Presenter : Thomas Tao Yang, Australian National University

Title : *Heterogeneity, Uncertainty and Learning: Semiparametric Identification and Estimation*
Presenter : Arnaud Maurel, Duke University

Title : *Individual Welfare Analysis with Confidence*
Presenter : Junlong Feng, Hong Kong University of Science and Technology

Session 4.3 (Seminar Room 4-3)

Chair : Graham Elliott, University of California, San Diego

Title : *(When) Can We Detect p-Hacking*

Presenter: Graham Elliott, University of California, San Diego

Title : *On the Instrumental Variable Estimation with Many Weak and Invalid Instruments*

Presenter: Qingliang Fan, The Chinese University of Hong Kong

Title : *Robust Bayesian Estimation and Inference for DSGE Models*

Presenter: Yizhou Kuang, Cornell University

10:45 – 11:00 Coffee/Tea Break (Level 5 Faculty Lounge)

11:00 – 12:00 Invited Speaker (Seminar Room 5-2)

Chair : Yichong Zhang, Singapore Management University

Presenter: Shuping Shi, Macquarie University

12:00 – 13:00 Lunch (Level 5 Faculty Lounge)

13:00 – 14:40 Parallel Sessions 5

Session 5.1 (Seminar Room 5-2)

Chair : Yoosoon Chang, Indiana University

Title : *Lending by Servicing: Monetary Policy Transmission through Shadow Banks*

Presenter: Malin Hu, Vanderbilt University

Title : *Adjusting toward Long-run Purchasing Power Parity*

Presenter: Kian Howe Ong, University of Nottingham Ningbo China

Title : *Financial Development and Innovation: The Role of Market Structure*

Presenter: Jaebeom Kim, Oklahoma State University

Title : *How Do Macroaggregates and Income Distribution Interact Dynamically? A Novel Structural Mixed Autoregression with Aggregate and Functional Variables*

Presenter: Yoosoon Chang, Indiana University

Session 5.2 (Seminar Room 4-2)

Chair : Yanbo Liu, Shandong University

Title : *Uniform Inference for Nonparametric Panel Model with Fixed Effects*
Presenter: Yanbo Liu, Shandong University

Title : *Latent Group Structure in Linear Panel Data Models with Endogenous Regressors*
Presenter: Junho Choi, Seoul National University

Title : *Does Climate Sensitivity Differ Across Regions? A Varying-Coefficient Approach*
Presenter: Wei Wei, Monash University

Session 5.3 (Seminar Room 4-3)

Chair : Masayuki Hirukawa, Ryukoku University

Title : *Nonparametric Threshold Detection for Cost Distributions*
Presenter: Masayuki Hirukawa, Ryukoku University

Title : *A Heteroskedasticity-Robust Overidentifying Restrictions Test with High-Dimensional Covariates*
Presenter: Ziwei Mei, The Chinese University of Hong Kong

Title : *GMM Estimation for Moment Condition Models with Time-Varying Parameters*
Presenter: Yu Bai, Monash University

Title : *Approximation Bounds for Conditional Expectations and Nonparametric Regressions*
Presenter: Masaya Takano, Monash University

14:40 – 14:55 Coffee/Tea Break (Level 5 Faculty Lounge)

14:55 – 16:35 **Parallel Sessions 6**

Session 6.1 (Seminar Room 5-2)

Chair : Ryo Okui, University of Tokyo

Title : *Model Averaging Factor-augmented Quantile Regressions with Smooth Structural Change*

Presenter: Siwei Wang, Hunan University

Title : *Regime Switching Models with Multiple Dynamic Factors*

Presenter: Shi Qiu, Fudan University

Title : *Disentangling Structural Breaks in High Dimensional Factor Models*

Presenter: Bonsoo Koo, Monash University

Title : *Recovering Latent Linkage Structures and Spillover Effects with Structural Breaks in Panel Data Models*

Presenter: Ryo Okui, University of Tokyo

Session 6.2 (Seminar Room 4-2)

Chair : Leo Krippner, Singapore Management University

Title : *Specifying and Estimating Vector Autoregressions via their Eigensystem Representation*

Presenter: Leo Krippner, Singapore Management University

Title : *What Impulse Response Do Instrumental Variables Identify?*

Presenter: Seojeong Lee, Seoul National University

Title : *High-dimensional Banded Vector Autoregressions subject to Structural Breaks*

Presenter: Bo Ling, Peking University

Title : *Time-Varying Multivariate Causal Processes*

Presenter: Yayi Yan, Shanghai University of Finance and Economics

Session 6.3 (Seminar Room 4-3)

Chair : Tian Xie, Shanghai University of Finance and Economics

Title : *Forecast Combination in Cryptocurrency Realized Variance*
Presenter: Tian Xie, Shanghai University of Finance and Economics

Title : *Multivariate Stochastic Volatility Models based on Generalized Fisher Transformation*
Presenter: Han Chen, Hunan University

Title : *Modeling and Forecasting Realized Volatility of Cryptocurrency*
Presenter: Xiaohu Wang, Fudan University

Title : *Penetrating Sporadic Return Predictability*
Presenter: Xinling Xie, Peking University

17:00 – 18:00 Post-conference Social Gathering (Level 5 Faculty Lounge)
(food will be provided)

ORGANIZED BY

SINGAPORE MANAGEMENT UNIVERSITY

A premier university in Asia, the Singapore Management University (SMU) is internationally recognised for its world-class research and distinguished teaching. Established in 2000, SMU's mission is to generate leading-edge research with global impact and to produce broad-based, creative, and entrepreneurial leaders for the knowledge-based economy. SMU's education is known for its highly interactive, collaborative, and project-based approach to learning.

Home to over 12,000 students across undergraduate, postgraduate professional and postgraduate research programmes, SMU comprises eight schools:

- College of Integrative Studies
- College of Graduate Research Studies
- School of Accountancy
- Lee Kong Chian School of Business
- School of Economics
- School of Computing and Information Systems
- Yong Pung How School of Law
- School of Social Sciences

SMU offers a wide range of bachelors', masters', and PhD degree programmes in the disciplinary areas associated with its schools, as well as in multidisciplinary combinations of these areas.

SMU emphasises rigorous, high-impact, multi- and interdisciplinary research that addresses Asian issues of global relevance. SMU faculty members collaborate with leading international researchers and universities around the world, as well as with partners in the business community and public sector. SMU's city campus is a modern facility located in the heart of downtown Singapore, fostering strategic linkages with business, government, and the wider community.

SMU SCHOOL OF ECONOMICS

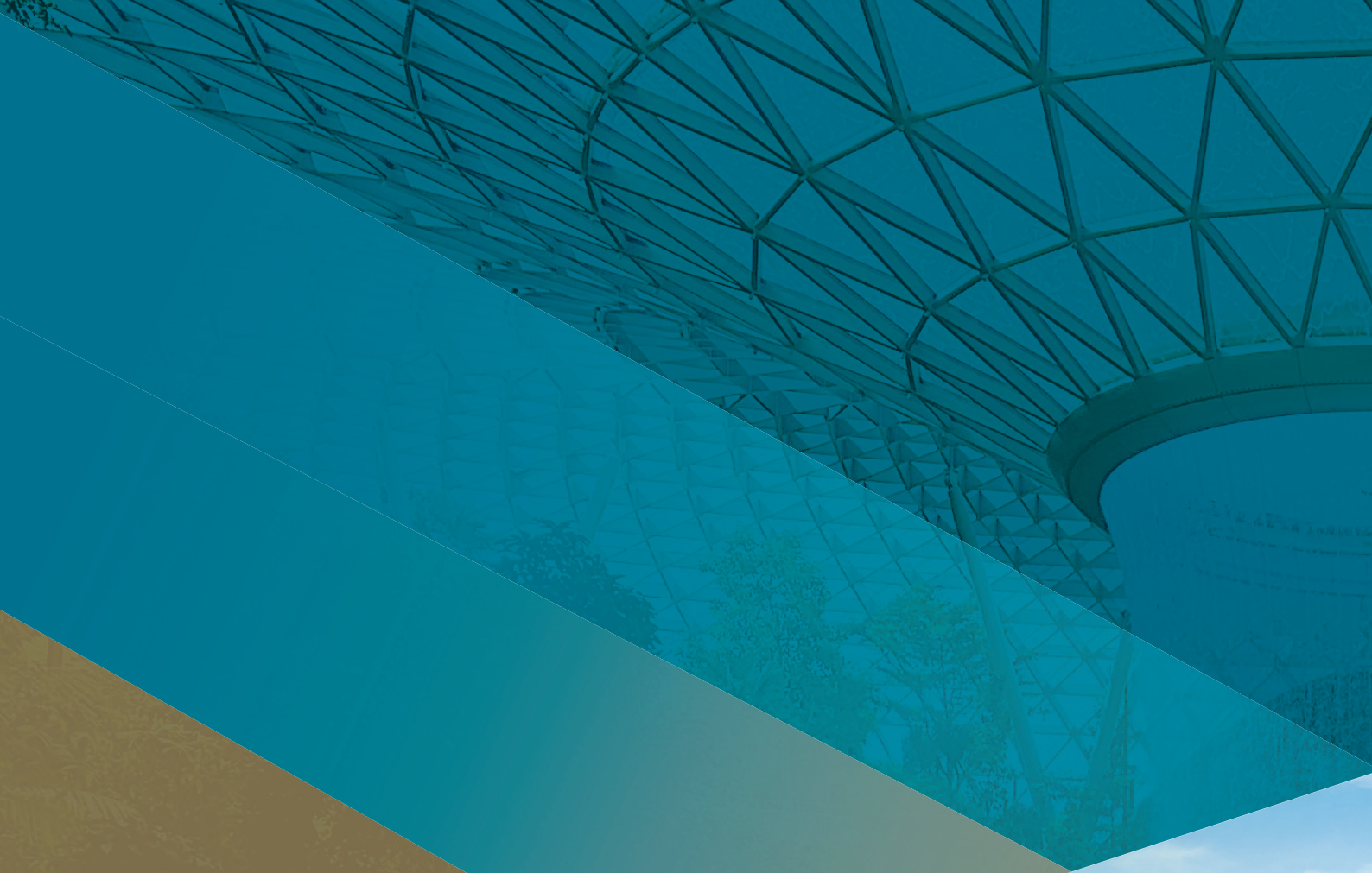
The School of Economics and Social Sciences was established on 1 July 2002 to launch the Bachelor of Science undergraduate degree programme in Economics, and subsequently the Bachelor of Social Science undergraduate degree programme majoring in Psychology, Sociology, or Political Science.

In April 2007, the School of Economics and the School of Social Sciences were established as separate schools to better focus on the development of the undergraduate and graduate curricula and programmes, as well as faculty research in the respective disciplines.

Today, the School of Economics has a total of 49 full-time faculty with extensive experience from around the world. It has an enrolment of more than 1,000 undergraduate and postgraduate students and offers the following degree programmes:

- Bachelor of Science in Economics,
- Master of Science in Economics,
- Master of Science in Financial Economics,
- Master of Philosophy in Economics, and
- PhD in Economics.

The mission of the School of Economics is to accelerate the growth of SMU by creating a world-class centre of research and teaching in economics. Economic research forms a key factor in the development of SMU as a foremost academic institution in generating cutting-edge research with global impact and producing broad-based, creative and entrepreneurial leaders for the knowledge-based economy. Faculty members in the School of Economics are active in research, and have published in journals such as *Econometrica*, *American Economic Review*, *Journal of Political Economy*, *Journal of Economic Theory*, *Econometric Theory*, *Review of Economic Studies*, *International Economic Review*, *Review of Economics and Statistics*, *Journal of Econometrics*, *Journal of International Economics*, *Social Choice and Welfare*, *Journal of Business and Economic Statistics*, *Journal of the Royal Statistical Society*, *Journal of the American Statistical Association*, and *Biometrics*.



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