Keynote talk 1   **Tuesday 25.06.2019**   **09:00 - 09:50**
STATISTICAL LEARNING OF BIG DEPENDENT DATA
Speaker: Ruey Tsay, The University of Chicago Booth School of Business, United States

Keynote talk 2   **Tuesday 25.06.2019**   **17:40 - 18:30**
ORDER DETERMINATION FOR LARGE-DIMENSIONAL MATRICES
Speaker: Lixing Zhu, Hong Kong Baptist University, Hong Kong

Keynote talk 3   **Thursday 27.06.2019**   **09:00 - 09:50**
SEMI-PARAMETRIC FINANCIAL TAIL RISK FORECASTING
Speaker: Richard Gerlach, University of Sydney, Australia

Keynote talk 4   **Thursday 27.06.2019**   **17:40 - 18:30**
RECENT ADVANCES ON MIXTURES OF SKEW DISTRIBUTIONS FOR MODELLING HETEROGENEOUS AND ASYM-
METRIC DATA
Speaker: Geoffrey McLachlan, University of Queensland, Australia

Opening   **Tuesday 25.06.2019**   **08:45 - 09:00**
OPENING SPEECH
Speaker: Fuh-Sheng Shieu, NCHU, Taiwan

Parallel Session B – EcoSta2019   **Tuesday 25.06.2019**   **10:20 - 12:25**
- EI005 RECENT ADVANCES IN HIGH-DIMENSIONAL DATA ANALYSIS (Room UB99(B1))
- EO111 RECENT ADVANCES IN MACHINE LEARNING (Room S101)
- EO213 BIOSTATISTICS: THEORY AND METHODS (Room S102)
- EO015 RECENT ADVANCES IN STATISTICAL METHODS FOR HIGH-DIMENSIONAL DATA (Room S104)
- EO125 NEW ADVANCES IN STATISTICAL COMPUTING AND COMPLEX DATA ANALYSIS (Room S106)
- EO025 RECENT ADVANCES IN FUNCTIONAL DATA ANALYSIS (Room S1A01)
- EO155 RECENT ADVANCES IN COMPUTATION FOR STATISTICAL LEARNING (Room AT241)
- EO055 STATISTICAL METHODOLOGIES AND APPLICATIONS IN BUSINESS AND INDUSTRY (Room AT242)
- EO151 FINANCIAL MATHEMATICS AND STATISTICS (Room U301)
- EO241 ADVANCES IN FINANCIAL TIME SERIES ANALYSIS (Room U414)
- EO071 RECENT DEVELOPMENTS IN TIME SERIES ANALYSIS (Room U517)
- EC344 CONTRIBUTIONS IN COMPUTATIONAL AND BAYESIAN METHODS (Room AT335)
- EC347 CONTRIBUTIONS IN APPLIED STATISTICS (Room AT337)
- EC342 CONTRIBUTIONS IN FINANCIAL ECONOMETRICS (Room U302)
- EG008 CONTRIBUTIONS IN APPLIED ECONOMETRICS I (Room U502)

Parallel Session C – EcoSta2019   **Tuesday 25.06.2019**   **14:00 - 15:40**
- EI011 RECENT ADVANCES IN ECONOMETRIC TIME SERIES (Room UB99(B1))
- EO047 MACHINE LEARNING THEORY (Room S101)
- EO139 RECENT ADVANCES IN ADAPTIVE CLINICAL TRIAL DESIGN (Room S102)
- EO113 RECENT ADVANCES ON HIGH-DIMENSIONAL STATISTICAL INFERENCE (Room S104)
- EO299 RECENT ADVANCES IN META-ANALYSIS FOR MEDICAL RESEARCH (Room S106)
- EO037 INFERENCES AND PREDICTION FOR SPATIAL OR DYNAMIC DATA (Room S1A01)
- EO137 RECENT TOPICS IN DESIGN OF EXPERIMENT (Room AT241)
- EO067 CURRENT DEVELOPMENTS IN INDUSTRIAL AND ECOLOGICAL STATISTICS (Room AT242)
- EO013 BAYESIAN APPROXIMATE INFERENCE ALGORITHMS (Room AT335)
- EO261 CIRCULAR STATISTICS AND ITS RELATED TOPICS (Room U302)
- EO029 ADVANCES IN PRODUCTIVITY AND EFFICIENCY MODELLING (Room U414)
- EO225 ADVANCES IN CAUSAL INFERENCE I (Room U502)
- EO065 RECENT DEVELOPMENTS IN STATISTICS FOR COMPLEX DEPENDENT DATA (Room U517)
- EG006 CONTRIBUTIONS IN PORTFOLIO STRATEGIES (Room U301)

Parallel Session D – EcoSta2019   **Tuesday 25.06.2019**   **16:10 - 17:25**
- EO093 LARGE-SCALE MULTIVARIATE MODELING OF FINANCIAL ASSET RETURNS (Room UB99(B1))
- EO211 STATISTICAL MACHINE LEARNING METHODS FOR DATA SCIENCE (Room S101)
- EO119 ADVANCED METHODS IN SPATIO-TEMPORAL DATA ANALYSIS IN BIOSTATISTICS (Room S102)
- EO267 HIGH DIMENSIONAL STATISTICS AND APPLICATIONS (Room S104)
- EO251 RECENT ADVANCES IN STATISTICAL MODELS AND THEIR APPLICATIONS (Room S106)
- EO081 CHALLENGES FOR FUNCTIONAL AND LARGE DATA (Room S1A01)
- EO023 RECENT ADVANCES IN DESIGN AND ANALYSIS OF EXPERIMENTS (Room AT241)
- EO033 RECENT ADVANCES ON SURVIVAL ANALYSIS (Room AT242)
- EO259 EAC-ISBA SESSION: BAYESIAN ANALYSIS WITH LARGE COMPLEX DATA (Room AT335)
- EO229 RECENT DEVELOPMENTS IN MEASUREMENT ERROR AND MISSING DATA (Room AT337)
- EO207 NONPARAMETRIC REGRESSION AND STATISTICAL INFERENCE (Room U301)
- EO308 RECENT ADVANCES IN HIGH DIMENSIONAL TIME SERIES ANALYSIS (Room U302)
- EO291 NEW DEVELOPMENT IN TIME SERIES AND SPATIAL ECONOMETRICS (Room U414)
- EO177 STATISTICAL METHODS FOR NETWORK DATA (Room U501)
- EO035 ADVANCES IN CAUSAL INFERENCE II (Room U502)
- EO095 NONLINEARITY IN PANEL DATA ANALYSIS (Room U517)
- EG010 CONTRIBUTIONS IN ECONOMETRICS AND STATISTICS (Room U602)

Parallel Session F – EcoSta2019   **Wednesday 26.06.2019**   **08:35 - 10:15**
- EO185 RECENT ADVANCES IN PENALIZED LEARNING METHODS FOR COMPLEX DATA (Room S101)
- EO215 NOVEL METHODS AND APPLICATIONS IN BIOSTATISTICS (Room S102)
- EO203 STATISTICAL METHODS IN COMPLEX DATA ANALYSIS (Room S106)
- EO233 FUNCTIONAL AND HIGH DIMENSIONAL DATA WITH COMPLEX STRUCTURE (Room S1A01)
- EO269 RECENT ADVANCES IN INTERVAL CENSORED FAILURE TIME DATA (Room AT242)
- EO358 EAC-ISBA SESSION: BAYESIAN THEORIES AND ALGORITHMS (Room AT335)
- EO043 DIMENSION REDUCTION AND CLUSTERING (Room AT337)
- EO253 ORDER RELATED STATISTICAL INFERENCE (Room U301)
- EO147 SEEMINGLY UNRELATED ECONOMETRIC PAPERS IN QUANTILE MODELS (Room U302)
- EO133 RECENT ADVANCES IN META-ANALYSIS AND DATA INTEGRATION (Room U414)
- EO287 CONTEMPORARY INFERENCE ISSUES IN BIG DATA PROBLEMS (Room U517)
- EC351 CONTRIBUTIONS IN HIGH DIMENSIONAL AND COMPLEX DATA ANALYSIS (Room S104)
- EC343 CONTRIBUTIONS IN COMPUTATIONAL ECONOMETRICS AND STATISTICS (Room U501)
- EC353 CONTRIBUTIONS IN METHODOLOGICAL STATISTICS (Room U502)

Parallel Session G – EcoSta2019   **Wednesday 26.06.2019**   **10:45 - 12:25**
- EO091 FLEXIBLE MODELING OF LATENT VARIABLES AND CENSORED DATA (Room UB99(B1))
- EO117 RECENT ADVANCES IN STATISTICAL LEARNING (Room S101)
- EO157 SPATIO-TEMPORAL MODELING OF INFECTIOUS DISEASE AND ONE HEALTH (Room S102)
- EO245 RECENT DEVELOPMENTS IN HIGH DIMENSIONAL DATA (Room S104)
- EO169 STATISTICS FOR UNCONVENTIONAL, COMPLEX AND CHALLENGING DATASETS (Room S106)

EO283 NEW DEVELOPMENT IN FUNCTIONAL DATA ANALYSIS (Room S1A01)
EO143 RISK ASSESSMENT ON NETWORK AND COMPLEX SYSTEMS (Room AT241)
EO271 RECENT DEVELOPMENTS IN NON-PARAMETRIC METHODS (Room AT242)
EO295 EAC-ISBA SESSION: HIGH DIMENSIONAL BAYESIAN METHODS IN DATA SCIENCE (Room AT335)
EO135 NEW DEVELOPMENTS IN DIMENSION REDUCTION WITH COMPLEX DATA (Room AT337)
EO193 STATISTICAL ANALYSIS OF STOCHASTIC PROCESSES (Room U301)
EO205 ACTUARIAL AND FINANCIAL RISK MANAGEMENT (Room U302)
EO191 ECONOMETRIC MODELLING: METHODOLOGY AND APPLICATION (Room U414)
EO161 MODERN DEVELOPMENTS IN CHANGE-POINT DETECTION ANALYSIS (Room U502)
EO123 INFERENCE FOR NONSTATIONARY AND NONSTANDARD TIME SERIES MODELS (Room U517)

Parallel Session H – EcoSta2019　　　　**Wednesday 26.06.2019**　　　　　　**14:00 - 15:40**
EI009 ECOSTA JOURNAL INVITED SESSION (Room UB99(B1))
EO306 STATISTICAL LEARNING FOR DATA WITH DISTINCT CHARACTERISTICS (Room S101)
EO163 CHALLENGES OF STATISTICS AND HEALTH ECONOMICS RESEARCH IN ONCOLOGY (Room S102)
EO027 RECENT DEVELOPMENTS IN HIGH-DIMENSIONAL STATISTICAL ANALYSIS (Room S104)
EO355 STATISTICAL ANALYSIS OF COMPLEX STRUCTURED DATA (Room S106)
EO077 METHODS FOR FUNCTIONAL DATA ANALYSIS (Room S1A01)
EO127 NEW DEVELOPMENT IN DESIGN OF EXPERIMENTS (Room AT241)
EO061 RECENT DEVELOPMENTS IN STATISTICAL ANALYSIS FOR SURVIVAL DATA (Room AT242)
EO330 BAYESIAN ANALYSIS AND ITS APPLICATIONS (Room AT335)
EO179 STATISTICAL INNOVATIONS IN PSYCHOMETRICS (Room AT337)
EO334 STRUCTURAL INSTABILITIES IN HIGH-DIMENSIONAL DATA I (Room U301)
EO069 RECENT ADVANCES IN ECONOMETRICS AND FINANCIAL STATISTICS (Room U302)
EO053 NONPARAMETRIC AND VARIABLE SELECTION METHODS FOR MODERN COMPLEX DATA (Room U414)
EO302 STATISTICAL MODELING: NEW METHODOLOGIES AND APPLICATIONS (Room U501)
EO281 STATISTICAL LEARNING IN GENOMIC APPLICATIONS (Room U502)
EO310 ADVANCES IN ANALYSIS OF COMPLEX TIME SERIES DATA (Room U517)

Parallel Session I – EcoSta2019　　　　**Wednesday 26.06.2019**　　　　　　**16:10 - 17:50**
EI007 ADVANCES IN FINITE MIXTURE MODELS (Room UB99(B1))
EO073 RECENT ADVANCES IN LEARNING THEORY AND APPLICATIONS (Room S101)
EO332 STATISTICAL INNOVATIONS IN THE ANALYSIS OF MICROBIOME DATA (Room S102)
EO239 HIGH-DIMENSIONAL STATISTICAL METHODS WITH APPLICATIONS (Room S104)
EO105 MODELING AND CLASSIFICATION OF LARGE-SCALED, COMPLEX DATA   (Room S106)
EO115 RECENT ADVANCES IN MODEL SELECTION (Room S1A01)
EO304 STATISTICAL QUALITY TECHNOLOGIES (Room AT241)
EO059 RECENT DEVELOPMENTS ON LATENT VARIABLE MODELS (Room AT242)
EO285 ADVANCES IN HIDDEN MARKOV MODELS: THEORY AND APPLICATIONS (Room AT335)
EO328 MULTIVARIATE METHODS FOR ANALYZING COMPLEX AND HIGH NOISY DATA (Room AT337)
EO338 STRUCTURAL INSTABILITIES IN HIGH-DIMENSIONAL DATA II (Room U301)
EO045 ADVANCES IN NONLINEAR FINANCIAL ECONOMETRICS (Room U302)
EO031 ECONOMETRIC AND STATISTICAL MODELLING OF TIME SERIES AND SPATIAL PROCESSES (Room U414)
EO293 PROBABILITY TECHNIQUES IN STATISTICS, ECONOMICS OR FINANCE (Room U502)

Parallel Session K – EcoSta2019　　　　**Thursday 27.06.2019**　　　　　　**10:20 - 12:25**
EO275 NEW ADVANCE IN LEARNING THEORY AND RELATED APPLICATION (Room S101)
EO221 RECENT ADVANCES IN COMPLEX BIOMETRIC DATA ANALYSIS (Room S102)
EO099 RECENT ADVANCES IN HIGH DIMENSIONAL STATISTICS (Room S104)
EO324 ECOSTA JOURNAL: ECONOMETRICS AND STATISTICS (Room S106)
EO223 NEW METHODS IN THE MODELING OF FUNCTIONAL AND HIGH-DIMENSIONAL DATA (Room S1A01)
EO057 STATISTICAL ANALYSIS OF COMPLEX DATA (Room AT241)
EO171 SURVIVAL ANALYSIS WITH COPULAS AND RANDOM EFFECTS (Room AT242)
EO049 ADVANCES IN VARIATIONAL INFERENCE AND BAYESIAN COMPUTATION (Room AT335)
EO257 RECENT ADVANCES IN STATISTICAL METHODOLOGY FOR SOCIAL SCIENCE RESEARCHES (Room AT337)
EO063 COMPLEX FINANCIAL AND ECONOMETRIC DATA ANALYSIS (Room U302)
EC350 CONTRIBUTIONS IN FINANCIAL MODELLING AND QUANTITATIVE FINANCE (Room U301)
EC348 CONTRIBUTIONS IN APPLIED ECONOMETRICS II (Room U501)
EC340 CONTRIBUTIONS IN STATISTICAL MODELLING (Room U502)
EC341 CONTRIBUTIONS IN TIME SERIES (Room U517)
EP001 POSTER SESSION (Room Hall)

Parallel Session L – EcoSta2019　　　　**Thursday 27.06.2019**　　　　　　**14:00 - 15:40**
EO316 CHALLENGES AND ADVANCES FOR STATISTICAL MODELLING IN DATA SCIENCE (Room UB99(B1))
EO219 COMPUTATIONAL CHALLENGES IN STATISTICAL LEARNING (Room S101)
EO360 STATISTICAL METHODS IN BIOINFORMATICS AND BIOSTATISTICS (Room S102)
EO089 RECENT ADVANCES IN COMPLEX DATA MODELING (Room S106)
EO173 ADVANCEMENTS IN COMPLEX SPATIAL DATA ANALYSIS (Room S1A01)
EO041 DESIGN AND ANALYSIS OF COMPLEX EXPERIMENTS: THEORY AND APPLICATIONS (Room AT241)
EO087 RECENT APPLICATIONS OF LATENT VARIABLE MODELS (Room AT242)
EO326 STATISTICS FOR ENVIRONMENTAL RISK ASSESSMENT AND MANAGEMENT (Room AT335)
EO318 RECENT ADVANCES IN HIGH DIMENSIONAL GENOMIC DATA ANALYSIS (Room AT337)
EO243 RECENT DEVELOPMENTS IN QUANTILE ESTIMATION AND INFERENCE (Room U301)
EO197 ADVANCES IN FINANCIAL ECONOMETRICS (Room U302)
EO263 ADVANCES IN STATE SPACE MODELS AND BAYESIAN COMPUTATION (Room U414)
EO085 DEPENDENT DATA ANALYSIS (Room U501)
EO129 COMPUTATIONAL STATISTICAL INFERENCE FOR STOCHASTIC PROCESSES (Room U502)
EO075 ADVANCES IN HAWKES PROCESSES AND THEIR APPLICATIONS (Room U517)
EO217 INFERENCE ON NETWORKS (Room U602)

Parallel Session M – EcoSta2019　　　　**Thursday 27.06.2019**　　　　　　**16:10 - 17:25**
EO297 STATISTICAL ANALYSIS FOR BIG DATA (Room UB99(B1))
EO131 NEW ADVANCES IN STATISTICAL LEARNING AND THEIR APPLICATIONS (Room S101)
EO175 BIOSTATISTICS (Room S102)
EO273 HIGH DIMENSIONALITY AND TIME SERIES (Room S104)
EO101 STATISTICAL ANALYSIS FOR COMPLEX HIGH DIMENSIONAL DATA (Room S106)
EO183 EMERGING METHODS IN DATA SCIENCE (Room S1A01)
EO312 RECURRENT EVENT ANALYSIS UNDER INFORMATIVE CENSORING (Room AT241)
EO227 NEW APPROACHES IN BAYESIAN ECONOMETRIC MODELING (Room AT335)
EO103 MIXED EFFECTS MODEL AND MODEL SELECTION (Room AT337)
EO247 MODEL AVERAGING AND RELATED TOPICS (Room U302)
EO097 RECENT ADVANCES IN ECONOMETRICS (Room U414)
EO019 NEW DEVELOPMENTS IN TIME SERIES ANALYSIS (Room U517)
EO181 RECENT DEVELOPMENTS IN IMAGES, NETWORKS, AND HIGH-DIMENSIONAL DATA ANALYSIS (Room U602)
EC354 CONTRIBUTIONS IN RESAMPLING (Room U501)