**Leverhulme Trust Conference Schedule**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Time** | **Conference Contents and Activities** | **Location** |
| **Friday, June 19th** | 14:00 - 20:00 | Registration | Jinjiang Hotel Lobby |
| 18:30 - 19:30 | Dinner Party | Cuiping Yuan |
| **Saturday, June 20th** | 8:30 - 8:45 | Opening Ceremony | A305, College of Economics and Management  Host: Zhigeng Fang |
| 8:45 - 10:25 | The Theme Report (A) | A305, College of Economics and Management |
| 10:25 - 10:45 | Group Photo and Tea Break |  |
| 10:45 - 12:00 | Special Report (I) | A305, College of Economics and Management |
| 12:00 - 13:30 | Lunch |  |
| 13:30 - 15:15 | Special Report (II) | A305, College of Economics and Management |
| 15:15 - 15:35 | Tea Break |  |
| 15:35 - 17:20 | Special Report (III) | A305, College of Economics and Management |
| 18:00 - 20:00 | Dinner Party | Cuiping Yuan |
| 14:25 - 14:50 | Tea Break |  |
| 14:50 - 16:20 | Special Report (V) | A305, College of Economics and Management |
| 18:00 | Dinner Party | Cuiping Yuan |

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Time** | **Conference Contents and Activities** | **Location** |
| **Sunday, June 21st** | 8:30 - 10:10 | The Theme Report (B) | A305, College of Economics and Management |
| 10:10 - 10:30 | Tea Break |  |
| 10:30 - 12:00 | Special Report (IV) | A305, College of Economics and Management |
| 12:00 - 12:45 | Lunch |  |
| 12:45 - 13:45 | Grey System Development Forum (A) | A305, College of Economics and Management  Host：Yaoguo Dang |
| 12:45 - 13:45 | Grey System Young Scholars Forum (B) | 706, College of Economics and Management  Host: Naiming Xie |
| 13:45 - 14:00 | The Grey System Professional Committee Meeting | A305, College of Economics and Management |
| 14:00 - 14:25 | The Theme Report (C) | A305, College of Economics and Management |
| 14:25 - 14:50 | Tea Break |  |
| 14:50 - 16:20 | Special Report (V) | A305, College of Economics and Management |
| 18:00 | Dinner Party | Cuiping Yuan |

**Theme Report (A)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Professor Wenping Wang | Saturday, June 20th | 8:45-9:10 | Bi-level programing merger evaluation and application to banking operations | Desheng Wei | University of Chinese Academy of Sciences |
| 9:10-9:35 | A commentary on some of the intrinsic differences between Grey Systems and Fuzzy Systems | Yingjie Yang | De Montfort University |
| 9:35-10:00 | Research overview of grey information covering modeling | Xinping Xiao | Wuhan University of Technology |
| 10:00-10:25 | The application of grey correlation analysis in groundwater circulation system | Yonghong Hao | Tianjin Normal University |

**Theme Report (B)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Professor Xinping Xiao | Sunday, June 21st | 8:30-8:55 | Big data and grey system | Wenping Wang | Southeast University |
| 8:55-9:20 | Personalized k - anonymous model and MDAV algorithm based on grey correlation | Qishan  Zhang | Fuzhou University |
| 9:20-9:45 | Equivalence classes of similar correlation and character of correlation in quotient space | Yong Wei | China West Normal University |
| 9:45-10:10 | Optimization of several grey correlation model | Dang Luo | North China University of Water Resources and Electric Power |

**Theme Report (C)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Naiming Xie | Sunday, June 21st | 14:00-14:25 | A solution for a kind of decision paradox | Sifeng Liu | Nanjing University of Aeronautics and Astronautics |

**Special Report (I)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Qishan Zhang | Saturday, June 20th | 10:45-11:00 | Using fractional GM(1,1) model to predict the life of complex equipment | Lifeng Wu | Nanjing University of Aeronautics and Astronautics |
| 11:00-11:15 | The analysis of barriers in succession processes of family firms in Poland with the use of Grey Systems theory. | Rafał Mierzwiak | Poznan University of Technology, Poland |
| 11:15-11:30 | Research on community discovery in parallel overlapping in the social network based on grey correlation | Qirong Qiu | Fuzhou University |
| 11:30-11:45 | GM (1, 1) model under heteroscedasticity | Jinhai Guo | Wuhan University of Technology |
| 11:45-12:00 | Equipment test technology risk grey correlation recognition model | Hongfa Ke | Equipment Institute |

**Special Report (II)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Dang Luo | Saturday, June 20th | 13:30-13:45 | The progress in the application of grey correlation in prediction | Xican Li | Shandong Agricultural University |
| 13:45-14:00 | The application of grey system method in short-term demand forecasting in TFT-LCD panel | Che-Jung Chang | Ningbo University |
| 14:00-14:15 | The research of fractional order reverse  cumulative discrete grey forecasting model and its application | Jiefang Liu | Henan Institute of Science and Technology |
| 14:15-14:30 | The application of fractional order grey model in the short-time traffic flow forecasting | Yanlan Pei | Wuhan University of Technology |
| 14:30-14:45 | Research on overlapping community discovery algorithm in the social network based on the grey correlation analysis | Ling Wu | Fuzhou University |
| 14:45-15:00 | Electronic equipment operational test electromagnetic environment lifelike grey relational evaluation matrix | Jilu Zhu | Equipment Institute |
|  |  | 15:00-15:15 | A preliminary study of interval grey number field definition | LU Si-hai | Troop 94701 |

**Special Report (III)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Yonghong Hao | Saturday, June 20th | 15:35-15:50 | Grey preference group consensus modeling and its economics analysis | Zaiwu Gong | Nanjing University Of Information Science & Technology |
| 15:50-16:05 | Grey prediction method and its application for small sample oscillation sequence | Zhengxin Wang | Zhejiang University of Finance and Economics |
| 16:05-16:20 | The new method of coupling regression analysis grey Verhulst combination forecast | Qing Shu | Wuhan University of Technology |
| 16:20-16:35 | Multistage group decision-making method on the basis of grey target and prospects theory | Shuli Yan | Henan University of Science and Technology |
| 16:35-16:50 | The application of grey correlation and grey prediction in modeling of grassland ecosystem | Jun Zhang | Inner Mongolia Agricultural University |
| 16:50-17:05 | Variable precision rough set model and application based on grey similar incidence relationship | Yong Liu | Jiangnan University |
|  |  | 17:05-17:20 | Grey GM(1,1) model and its application on the basis of plural order cumulative | Zhengpeng Wu | Communication University of China |

**Special Report (IV)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Yong Wei | Sunday, June 21st | 10:30-10:45 | Study on China rural water environment abatement policy effect based on virtual variables DGM model | Ke Zhang | Hohai University |
| 10:45-11:00 | Research on fractional order grey model and its application | Mingyuan Gao | Wuhan University of Technology |
| 11:00-11:15 | Optimal modeling and forecasting of the energy consumption and production in China | Pingping Xiong | Nanjing University Of Information Science & Technology |
| 11:15-11:30 | The sustainable development research of networking industry on the basis of grey system | Wuyong Qian | Jiangnan University |
| 11:30-11:45 | Blind image watermarking scheme based on GM(1,1) model in wavelet domain | Qiuping Wang | Xian University of Science and Technology |
| 11:45-12:00 | Thinking on grey mutation model of traffic flow system | Huan Guo | Yangtze University |

**Special Report (V)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Host** | **Date** | **Time** | **Topic** | **Reporter** | **Division** |
| Xican Li | Sunday, June 21st | 14:50-15:05 | The application of grey forecasting theory in energy economy | Tianxiang Yao | Nanjing University Of Information Science & Technology |
| 15:05-15:20 | Grey forecasting model based on the fractional expand operator | Wei Meng | Chongqing Technology and Business University |
| 15:20-15:35 | Grey evaluation decision problems in water resources allocation | Jiefang Wang | North China University Of Water Resources And Electric Power |
| 15:35-15:50 | Grey forecasting model on the basis of cosine function transformation | Ye Li | Henan Agricultural University |
| 15:50-16:05 | The Grey relational analysis of executive compensation and firm performance in Chinese port and shipping listed companies | Jiajia Chen | Shanghai Maritime University |
| 16:05-16:20 | New process quality control chart bayesian correction model on the basis of poor information | Zhigeng Fang | Nanjing University of Aeronautics and Astronautics |