



Program Overview

14th International Conference on

Data Envelopment Analysis, Wuhan, China, May 23 to 26, 2016



Jianghan University, Wuhan, China, May 23-26, 2016

Program Overview



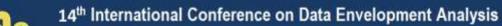
14th International Conference on Data Envelopment Analysis, Wuhan, China, May 23 to 26, 2016

Lei Chen, Jianghan University, China **Subhash Ray**, University of Connecticut, USA

Rajiv Banker, Temple University, USA **Ali Emrouznejad**, Aston University, UK









Jianghan University, Wuhan, China, May 23-26, 2016

Program Overview



Monday (May 23)	, 2016) → Room: "Boya"
07:30-20:00	Registration
08:30 - 09:45	Tutorial #1: Selection of Inputs and Outputs in DEA
09:45 - 10:00	Coffee Break
10:00 - 11:15	Tutorial #2: Efficiency Analysis with Ratio Measure
11:15 - 11:30	Coffee Break
11:30 - 12:45	Tutorial #3: Benchmarking Software
12:45 - 14:00	Lunch
14:00 - 15:15	Tutorial #4: Introduction to Two-stage DEA Models
15:15 - 15:30	Coffee Break
15:30 - 16:45	Tutorial #5: Stochastic DEA
16:45 - 17:00	Coffee Break
17:00 - 18:15	Tutorial #6: Undesirable Outcomes and Production Theory
18:30-21:00	Welcome Reception

Tuesday (May 24, 2016)

08:00-18:00	Registration
09:00 - 09:30	Opening Session (Room: "Boya")
09:45 - 11:00	Session 1 (4 parallel venues)
11:00 - 11:30	Coffee Break
11:30 - 12:45	Session 2 (4 parallel venues)
12:45 - 14:00	Lunch
14:00 - 15:15	Journal session and getting published (Room: "Boya")
15:15 - 16:00	Coffee Break & Group photo
16:00 - 17:30	Session 3 (4 parallel venues)
18:30 - 21:00	Gala Dinner (Location: Ballroom "Rende")

Wednesday (May 25, 2016)

08:00-12:00	Registration
08:30 - 10:00	Session 4 (4 parallel venues)
10:00 - 10:30	Coffee Break
10:30 - 12:00	Session 5 (4 parallel venues)
12:00 - 13:30	Lunch
13:30 - 19:00	Half Day City Tour in Wuhan
19:00 - 22:00	Cruise Dinner on the Yangtze River

Thursday (May 26, 2016)

08:00-12:00	Registration
09:00 - 10:30	Session 6 (4 parallel venues)
10:30 - 11:00	Coffee Break
11:00 - 12:30	Session 7 (4 parallel venues)
12:30 - 14:00	Lunch
14:00 - 15:00	Session 8 (4 parallel venues)
15:00 - 15:30	Coffee Break
15:30 - 17:00	Past & Future and Farewell session (Room: "Xiande A")



14th International Conference on Data Envelopment Analysis

Jianghan University, Wuhan, China, May 23-26, 2016

Detailed Schedule of Presentations



Tuesday (May 24, 2016)

09:45 - 11:00

Session 1 (Room: "Boya"): DEA Modeling and Algorithm

Chair: Yongjun Li

DEA2016: P-130

Using the Spatial Econometric Approach to Analyze the Impacts of Technical efficiency from CCDEA Model at the Provincial Level in Vietnam

Nguyen Khac Minh, Pham Anh Tuan and Pham Van Khanh

DEA

DEA2016: P-112

An Out-of-Sample Evaluation Framework for DEA

Jamal Ouenniche and Kaoru Tone

DEA2016: P-108

A Data-driven Prediction Approach based on Data Envelopment Analysis: An Application to NBA Teams' Performance

Yongjun Li and Lizheng Wang

Tuesday (May 24, 2016)

09:45 - 11:00

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Gloria Rodriguez Lozano

DEA2016: P-064

A Centralized Dynamic Approach for Measuring the Efficiency of Cooperative Banks in Germany

Anna Theresa Heye-Enneking, Mohsen Afsharian and Heinz Ahn

Comparison between Conventional Banking and Islamic Banking in terms of X-Efficiency using Data Envelopment Analysis and Malmquist Productivity Index Analysis

Shamim Ara

DEA2016: P-086

Financial inclusion in Colombia: evolution and relative efficiency Gloria Rodriguez Lozano

Tuesday (May 24, 2016) 09:45 - 11:00

Session 3 (Room: "Boxue A"): Applications of DEA in Eco-

Efficiency

Chair: Guoliang Yang

DEA2016: P-139

Nonparametric Measures of Efficiency in the Presence of Undesirable Outputs: An Inter-country Analysis of GDP and Pollution

Subhash Ray, Kankana Mukherjee and Anand Venkatesh

DEA2016: P-011

Evaluating productive efficiency of pollution-generating processes: review of theories and applications

Sheng Ang and Chien-Ming Chen

DEA2016: P-026

Eco-efficiency considering CO2 emissions and data envelopment analysis: A structured literature review

Guoliang Yang, Ali Emrouznejad and Marianna Marra

Tuesday (May 24, 2016) 09:45 - 11:00

Session 4 (Room: "Boxue B"): Applications of DEA

Chair: Kristiaan Kerstens

DEA2016: P-075

Assessing Performance and Productivity Growth of Veterans Medical Beauty Centres in Taiwan Using DEA and BSC

Ling-Chu Chien and Shinn Sun

DEA2016: P-176

A New Input-Oriented Plant Capacity Notion: Definition and Empirical Comparison

Giovanni Cesaroni, Kristiaan Kerstens and Ignace Van de Woestyne

Tuesday (May 24, 2016) 11:30 - 12:45

Session 1 (Room: "Boya"): DEA Modeling and Algorithm

Chair: Finn R. Førsund

DEA2016: P-141

Different Estimation Effects between Inverse CCR and BCC model Ruoyang Liu and Jinchuan Cui

DEA2016: P-017

Recognizing directional congestion in integer-valued DEA Mohammad Khoveyni and Robabeh Eslami

DEA2016: P-114

An approach for improving the frontier in the DEA models

Vladimir E. Krivonozhko, Finn R. Førsund and Andrey V. Lychev

Tuesday (May 24, 2016)

11:30 - 12:45

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Mohsen Afsharian

DEA2016: P-068

A DEA-based Incentives System for Centrally Managed Multi-Unit Organizations

Mohsen Afsharian, Heinz Ahn and Emmanuel Thanassoulis

DEA2016: P-003

An Integrated Approach of Data Envelopment Analysis and Boosted Generalized Linear Mixed Models for Efficiency Assessment

Imad Bou-Hamad, Abdel Latef Anouze and Denis Larocque

DEA2016: P-040

Allocation of potential cooperative gains based on efficiency analysis

Jianhui Xie

Tuesday (May 24, 2016)

11:30 - 12:45

Session 3 (Room: "Boxue A"): Applications of DEA in

Agriculture

Chair: Tomas Balezentis

DEA2016: P-097

An allocation Malmquist index with an application in the China agricultural industry

Nan Zhu, Wei Wei, Yun Zhang and Ali Emrouznejad

DEA2016: P-008

Carbon Emission in the European Union Agriculture: Driving Forces and Possibilities for Reduction

Tomas Balezentis, Tianxiang Li, Irena Krisciukaitiene and Rasa Melnikiene

Abatement costs of Emissions from Crop Residue Burning in major crop producing regions of China: Using a DEA method Lingling Hou, Dana Hoag, Jikun Huang and Catherine Keske

Tuesday (May 24, 2016) 11:30 - 12:45

Session 4 (Room: "Boxue B"): Applications of DEA in Health and Hospital Efficiency

Chair: Ali Al-Badi

DEA2016: P-074

Evaluation and Selection of Domestic Pharmaceutical Suppliers for Yuli Psychiatric Hospital in Eastern Taiwan Using DEA and AHP Hsin-Yi Tsai and Shinn Sun

DEA2016: P-143

How ICT is affecting the efficiency of healthcare system in Tunisia and Oman: A dynamic assessment using Malmquist Index
Ali Al-Badi, Khamis Al-Gharbi, Amira Tlija and Said Gattoufi

DEA2016: P-156

Performance Assessment of Public Hospitals in Saint Petersburg: Application of SFA and DEA Models with Undesirable Output

Yuri Fedotov and Kazimir Jablonskii

Tuesday (May 24, 2016) 16:00 - 17:30

Session 1 (Room: "Boya"): DEA Modeling and Algorithm Chair: Ole Bent Olesen

DEA2016: P-024

Cost minimizing target setting onto the Pareto-efficient frontier in DEA: A mixed integer linear programming approach

Sheng Ang, Qingxian An and Feng Yang

DEA2016: P-051

An improved Afriat-Diewert-Parkan nonparametric production function estimator

Ole Bent Olesen and John Ruggiero

DEA2016: P-069

DEA-based activity planning with information asymmetry under different production technologies

Jingjing Ding and Chenpeng Feng

DEA2016: P-179

Relations between DEA and DEA-R based on value efficiency
Mohamad Reza Mozaffari

Tuesday (May 24, 2016)

16:00 - 17:30

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Hirofumi Fukuyama

DEA2016: P-055

Measurement of Bank Performance: A DEA Approach with Nonperforming Loans and Carryovers

Hirofumi Fukuyama and William Weber

DEA2016: P-043

Developing a Model for Determining Corporate Performance after Bank Acquisition

Victor Boadu, Philip Serumaga-Zake and Jan Kruger

DEA2016: P-137

Efficiency Analysis of Group Banks of Bangladesh in Managing Non-Performing Loans (NPL) using Data Envelopment Analysis (DEA)

Shamim Ara and Hazera Akter

Tuesday (May 24, 2016) 16:00 - 17:30

Session 3 (Room: "Boxue A"): Applications of DEA in Energy /

Electricity / Water Industry

Chair: Qingyou Yan

DEA2016: P-025

Regional energy efficiency evaluation using two-stage, semiparametric models and bootstrap technology

Yanmin Shao, Yan Shang and Hong Yan

DEA2016: P-032

Emissions trading and abatement cost savings in China's thermal power industry

Ke Wang

DEA2016: P-132

Chinese regional energy-economy-environment efficiency analysis based on the 3E DEA model

Qingyou Yan and Xu Wang

DEA2016: P-204

EFFICIENCY GAINS IN CROATIAN ELECTRICITY DISTRIBUTION CENTERS FOLLOWING INDUSTRY STRUCTURE CHANGES

Maja Mihelja Zaja, Rajiv Banker, Shunlan Fang, Dubravko Hunjet, Luka Neralic, Richard Wendell and Ante Zaja

Tuesday (May 24, 2016)

16:00 - 17:30

Session 4 (Room: "Boxue B"): Applications of DEA in Health

and Hospital Efficiency

Chair: Shinn Sun

DEA2016: P-029

Technical efficiency of public insurance health centers in Gezira State of Sudan

Almoghirah Abdellah

DEA2016: P-073

Performance Measurement and Productivity Growth of Hemodialysis Rooms of Veterans Branch Hospitals in Taiwan Using DEA and BSC

Fu-Fen Li and Shinn Sun

DEA2016: P-058

Quantile-DEA Ranking Method for Multi-Attribute Decision Making Problems with Interval Data

Song Han and Quanling Wei

DEA2016: P-063

Performance Measurement and Productivity Growth of Veterans Branch Hospitals in Taiwan Using DEA and BSC

Mei-Fang Hsu and Shinn Sun

Wednesday (May 25, 2016)

08:30 - 10:00

Session 1 (Room: "Xiande A"): DEA Modeling and Algorithm

Chair: Luka Neralic

DEA2016: P-186

Feature Selection for Classification Using Data Envelopment Analysis

Yishi Zhang

DEA2016: P-105

Discriminating power of DEA and selecting the number of inputs, outputs versus number of DMUs: A simulation study

Yongjun Li, Xiao Shi, Jie Liu and Ali Emrouznejad

DEA2016: P-205

ALGORITHMIC APPROACHES TO SENSITIVITY AND STABILITY ANALYSIS IN DEA

Luka Neralic

DEA2016: P-022

New super efficiency method based on a modification of the Enhanced Russell model

Mohammad Izadikhah

Wednesday (May 25, 2016)

08:30 - 10:00

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Iveta Palecková

DEA2016: P-020

Efficiency contribution patterns in Chinese commercial banks

Ning Zhu, Bing Wang and Zhiqian Yu

DEA2016: P-113

A DEA-based Framework for Assessing Banks Risk Profiles

Skarleth Carrales and Jamal Ouenniche

DEA2016: P-159

Efficiency of SMEs Financed by Conventional and Non-

conventional Banks: Bangladesh Perspective

Mohammad Masuduzzaman, Mahfuza Akther and Shamim Ara

DEA2016: P-101

Efficiency of the banking industry in Romania and Bulgaria:

Application of the Dynamic DEA

Iveta Palecková

Wednesday (May 25, 2016)

08:30 - 10:00

Session 3 (Room: "Boxue A"): Applications of DEA in

Agriculture

Chair: Nataliya Plesha

DFA2016: P-194

INEFFICIENCY OF VIETNAMESE PANGASIUS FARMING: A DATA

ENVELOPMENT ANALYSIS

Ngoc Thi Anh Pham, Miranda Meuwissen, Tru Cong Le, Roel

Bosma, Johan Verreth and Alfons Oude Lansink

DEA2016: P-154

Production Efficiency in Chinese Agriculture: An Assessment of

the Post Economic Reforms Years

Wenqiang Bao, Nataliya Plesha and Subhash Ray

DEA2016: P-168

Estimation of the Opportunity Cost of Pollution Abatement: Interstate Analysis of US Agriculture

Nataliya Plesha and Subhash Ray

Wednesday (May 25, 2016)

08:30 - 10:00

Session 4 (Room: "Boxue B"): Other DEA Applications

Chair: Mark Anderson

DEA2016: P-140

Fundamental Analysis and Firm Efficiency

Mark Anderson and Dongning Yu

DEA2016: P-018

Dynamic returns to scale and most productive scale size in DEA with negative data

Robabeh Eslami and Mohammad Khoveyni

DEA2016: P-181

Tolerance Specification of Software Tools for Robust Data Envelopment Analysis.

Choonjoo Lee

DEA2016: P-206

Measuring energy efficiency of wheat production incorporating carbon emission output

Alireza Khoshroo and Ali Emrouznejad

Wednesday (May 25, 2016)

10:30 - 12:00

Session 1 (Room: "Xiande A"): DEA Modeling and Algorithm

Chair: Andreas Dellnitz

DEA2016: P-057

Utillization of cross efficiency to improve efficiency under fixed input/output resources

Sanjeet Singh and Surya Majumdar

DEA2016: P-023

Setting handicaps to industrial sectors in DEA illustrated by Ethiopian industry

Kidanemariam Hailu and Kaoru Tone

DEA2016: P-065

Peer Selection in DEA – Efficiency vs. RTS

Andreas Dellnitz and Elmar Reucher

DEA2016: P-127

Solving multi-objective 0-1 linear programming by using data envelopment analysis method in the presence of negative data

Maryam Mohaghegh Tabar, Monireh Jahani Sayyad Noveiri and Nasruddin Hassan

Wednesday (May 25, 2016)

10:30 - 12:00

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Subhash Ray

DEA2016: P-149

Bank Efficiency of Domestic and Foreign Banks in China

Joerg Wild and Hind Lebdaoui

DEA2016: P-157

Labor Cost Efficiency of Bank Branches in India

Subhash Ray, Kankana Mukherjee and Abhiman Das

How healthful was the expansion of the Private Medical Expenses Insurance in Mexico

Ana Maria Reyna, Hugo Fuentes and Emili Grifell-Tatjé

DEA2016: P-076

A Scale-Efficiency Matrix and Application on Evaluating Big and Strong Enterprises

Nan Zhu, Yun Zhang, Wei Wei, Dan Yang and Ali Emrouznejad

Wednesday (May 25, 2016) 10:30 - 12:00

Session 3 (Room: "Boxue A"): Applications of DEA in Energy /

Electricity / Water Industry

Chair: Rajiv Banker

DEA2016: P-050

Empirical Research on the Effect of Industrial Structure on Energy Efficiency in 21 districts of Sichuan Province

Ming-Xiang Lu, He-Ming Xie and Xue-Qing Qi

DEA2016: P-107

Electricity Efficiency Change in China and its Economic Explanation

Zhen Xie

DEA2016: P-162

Energy Efficiency and Capacity Utilization in Indian Manufacturing: A Tale of Two Industries

Kankana Mukherjee

DEA2016: P-203

Improvement in Efficiency Under DEA-based Incentive Regulation of Electric Utilities in Brazil

Rajiv Banker and David Zhang

Wednesday (May 25, 2016)

10:30 - 12:00

Session 4 (Room: "Boxue B"): Applications of DEA in

Manufacturing

Chair: Sanjeet Singh

DEA2016: P-196

The low-carbon technology characteristics of China's ferrous metal industry

Ning Zhang, Yanni Yu and Zhongfei Chen

DEA2016: P-009

The Determinants of Efficiency in Manufacturing Industries in Lao PDR

Bounmy Inthakesone and Sisomphet Khanopheth

DEA2016: P-082

Load Balancing and Resource Allocation Management with Data Envelopment Analysis Methods in Cloud Computing Environment

Mehdi Effatparvar, Farzad Rejanejad and Somayeh Aghayi

DEA2016: P-110

Performance Efficiency of Sustainable Practices in French Wine Regions Using Data Envelopment Analysis

Samah Jradi, Tatiana Bouzdine Chameeva, Anicia Jeagler and John Haddad

Thursday (May 26, 2016)

09:00 - 10:30

Session 1 (Room: "Xiande A"): DEA Modeling and Algorithm

Chair: Dimitris Despotis

DEA2016: P-165

Productivity and New Investment in Information Technology
Soonchul Hyun and Mark Anderson

DEA2016: P-060

Creating Competitive Advantages in Parcel Delivery Service using Data Envelopment Analysis (DEA)

Amma Leung and Ping Ji

DEA2016: P-053

Benchmark Forecasting in Data Envelopment Analysis for Decision Making Units

Morteza Shafiee and Farhad Hosseinzadeh Lotfi

DEA2016: P-036

The "weak link" approach to network DEA: The case of two-stage processes

Dimitris Despotis, Gregory Koronakos and Dimitris Sotiros

Thursday (May 26, 2016) 09:00 - 10:30

Session 2 (Room: "Xiande B"): Applications of DEA in Banking

and Finance

Chair: Abhiman Das

DEA2016: P-169

Nonparametric Estimation of Bank Production and Efficiency in the Presence of Noise

Abhiman Das, Ole Bent Olesen and John Ruggiero

DEA2016: P-005

Social and Technical Efficiency of Savings Groups in Ethiopia and Tanzania

Nyankomo Marwa and Komlan Sedzro

DEA2016: P-085

The Efficiency of Cooperative Financial Institutions in South Africa: An Empirical study using DEA Approach

Master Mushonga, Nyankomo Marwa and Thankom Arun

DEA2016: P-180

The evaluation of cross efficiency of DEA two-stage process in the presence of undesirable outputs

Javad Gerami

Thursday (May 26, 2016)

09:00 - 10:30

Session 3 (Room: "Boxue A"): Applications of DEA in

Agriculture

Chair: Wirat Krasachat

DEA2016: P-177

Technical and cost efficiency of Thai sugarcane farmers

Thanaporn Athipanyakul

DEA2016: P-122

Technical efficiency of chili farms in Thailand under Good Agricultural Practice System

Wirat Krasachat

DEA2016: P-198

Efficiency Among the Sugarcane Farmers of Bhiradichiwadi: A Case Study Using DEA

Rajani Mathur and Swati Raju

Thursday (May 26, 2016)

09:00 - 10:30

Session 4 (Room: "Boxue B"): Applications of DEA

(Presentation in Chinese)

Chair: Zhu Nan

DEA2016: P-062

What kind of skilled labor does technological progress in China's manufacturing industry bias? Application of the bias-corrected Malmquist indices

Yu Teng

DEA2016: P-191

The evaluation of cost efficiency in China's urban water supply utilities

Minzhe Du and Bing Wang

An Empirical Study on the Efficiency of Urban Water Resource System in China Based on the Analysis of BAM Network DEA Model

Mingli Gong and Bing Wang

DEA2016: P-100

On Eco-efficiency of Provincial Regions of China: DEA approach
Zhu Nan, Qiu Hong and Xu Xiaozhou

Thursday (May 26, 2016)

11:00 - 12:30

Session 1 (Room: "Xiande A"): DEA Modeling and Algorithm Chair: Andreas Kleine

DEA2016: P-117

Visualizing DEA efficiency-configurations

Steffen Hoffmann, Andreas Kleine and Andreas Dellnitz

DEA2016: P-160

Detecting the QRS complex based on DEA and cross-efficiency evaluation

Xiaoya Li, Changjian Tu, Donghai Huang and Qian Yuan

DEA2016: P-067

From RTS to Cross-RTS

Andreas Kleine

DEA2016: P-083

A Generalized Revenue Efficiency Measurement with Fuzzy Data Nazila Aghayi and Samira Salehpour

Thursday (May 26, 2016)

11:00 - 12:30

Session 2 (Room: "Xiande B"): Applications of DEA in

Manufacturing Chair: Lei Chen

DEA2016: P-066

A Centralized Performance Benchmarking Approach for Maintenance Groups in the Elevator and Escalator Industry

Sören Harms, Mohsen Afsharian and Heinz Ahn

DEA2016: P-190

Determinants of Technical Efficiency in Kenyan Manufacturing Sector: A Cross-Sectional Analysis

Kiplangat Josea

DEA2016: P-163

Impact of the Foreign Direct Investment on Chinese Manufacturing Industry – An Empirical Application of Data Envelopment Analysis

Lei Chen, Subhash Ray and Lisi Shi

Thursday (May 26, 2016)

11:00 - 12:30

Session 3 (Room: "Boxue A"): Applications of DEA in Transportation

Chair: Nadia Tahir

DEA2016: P-006

Empirical Analysis of Railway Efficiency in Pakistan

Nadia Tahir and Pervez Tahir

DEA2016: P-090

Allocation of personnel and equipment for the Keelung Harbor Terminal - an application of multi-activity centralized data envelopment analysis

Ming-Miin Yu, Bo Hsiao, Yue-De Lin and Li-Hsueh Chen

DEA2016: P-104

Comparison of operating efficiency of government operated and private airports in India

Ishita Patel, Hari Shukla and Aneesh Chinubhai

DEA2016: P-120

Application of DEA in Evaluating Relative Efficiency of Iranian Flights Generating Income

Mostafa Kazemi and Amirhossein Bagherieh-Mashhadi

Thursday (May 26, 2016)

11:00 - 12:30

Session 4 (Room: "Boxue B"): Applications of DEA

(Presentation in Chinese)

Chair: Qingxian An

DEA2016: P-014

Dynamic network DEA model for a two-stage system with intertemporal shared outputs: an application to Chinese high-tech activities

Qingxian An and Beibei Xiong

DEA2016: P-047

An extension on super slacks-based measure approach

Ya Chen, Yongjun Li and Liang Liang

DEA2016: P-046

Allocation of emission permits based on DEA and production stability

Huaqing Wu, Dongxu Zhang, Bo Chen and Min Yang

Thursday (May 26, 2016)

14:00 - 15:00

Session 1 (Room: "Xiande A"): Other DEA Applications

Chair: Mark Anderson

DEA2016: P-081

Three equitable resource allocation methods using data envelopment analysis

Reza Maddahi

Evaluating Health Care Efficiency of Turkish Cities by Data Envelopment Analysis

Erhan Berk

DEA2016: P-161

Top Management Team Compensation, Strategic Positioning, and Firms' Competitive Effectiveness

Mark Anderson, Yan Ma and Rong Zhao

Thursday (May 26, 2016)

14:00 - 15:00

Session 2 (Room: "Xiande B"): Applications of DEA in

Education

Chair: Victor Podinovski

DEA2016: P-164

An application of the hybrid returns-to-scale DEA model with production trade-offs to the efficiency assessment of universities

Victor Podinovski

DEA2016: P-109

What Determines the Efficiency of Public Secondary Schools in Pakistan? A case study of Multan district

Muhammad Omer Chaudhry and Tahira Batool

Thursday (May 26, 2016)

14:00 - 15:00

Session 3 (Room: "Boxue A"): Applications of DEA in Energy /

Electricity / Water Industry

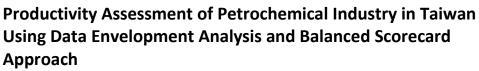
Chair: Bai-Chen Xie

DEA2016: P-016

Star Structure in Network Data Envelopment Analysis

Hadi Bagherzadeh Valami and Naser Amani

DEA2016: P-071



Shinn Sun and Chih-Wei Feng

DEA2016: P-059

Measuring the Efficiencies of China's Grid Companies: A Bootstrapped Meta-Frontier Approach

Bai-Chen Xie, Yun-Fei Chen and Michael Pollitt

Thursday (May 26, 2016) 14:00 - 15:00

Session 4 (Room: "Boxue B"): Applications of DEA

(Presentation in Chinese)

Chair: Zehua Ling

DEA2016: P-093

A Comparative Analysis of Technical Efficiency between Chinese and Indian Commercial Banks: SFA Approach

Huajie Zhang and Nan Zhu

DEA2016: P-192

How Serious Overcapacity is in China: Based on a comparative analysis of the static and dynamic methods

Shaohua Zhang and Weijie Jiang

DEA2016: P-200

On Productive Efficiency and Total Factor Productivity Change of City Commercial Banks of China

Zehua Ling and Nan Zhu