

International Conference on Data Envelopment Analysis
(November 18-21, 2024)
DEA2024 – PROGRAMME

Monday 18th November, 2024 (Pre Conference Workshop) 3rd Floor		
Indian Standard Time (IST)	Activity	Venue
10:00 AM – 11:30 AM	Registration	Reception
11:30 AM - 01:00 PM	Workshop by Prof. Subhash Ray, Title: DEA for Measurement of Capacity Utilization	C18
01:00 PM - 02:00 PM	Lunch	Mess
02:00 PM - 03:30 PM	Workshop by Prof. Victor Podinovski, Title: Enhancing DEA models by production trade-offs	C18
03:30 PM - 04:00 PM	Tea Break	
04:00 PM - 05:30 PM	Workshop by Prof. Ali Emrouznejad: Title: AI DEA: Combining Data Envelopment Analysis with Machine Learning Techniques	C18
Tuesday 19th November, 2024 (Conference) 3rd Floor		
Indian Standard Time (IST)	Activity	Venue
08:30 AM – 09:30 AM	Registration	Reception
09:30 AM - 10:15 AM	Inaugural Session	Seminar Hall
10:15 AM - 11:00 AM	Plenary Session 1	C18
11:00 AM - 11:30 AM	Tea Break	
11:30 AM - 12:30 PM	Parallel Sessions (Paper Presentation)	C16, C17, C18
12:30 PM - 01:30 PM	Lunch	Mess
01:30 PM - 03:00 PM	Industry Session	C18 (online)
01:30 PM - 03:00 PM	Parallel Sessions (Paper Presentation)	C15 (Online), C16
03:00 AM - 03:30 AM	Tea Break	
03:30 PM - 05:00 PM	Industry Session - Continue	C18 (online)
03:30 PM - 05:00 PM	Parallel Sessions (Paper Presentation)	C15 (Online), C16 (Online), C17
07:00 PM onwards	Gala Dinner	Le Seasons Park, Greater Noida
Wednesday 20th November, 2024 (Conference) 3rd Floor		
Indian Standard Time (IST)	Activity	Venue
08:30 AM – 09:30 AM	Registration	Reception
09:30 AM - 11:00 AM	Parallel Sessions (Paper Presentation)	C15 (online), C16, C17
11:00 AM - 11:30 PM	Tea Break	
11:30 AM - 01:00 PM	Plenary Session 2&3	C18
01:00 PM - 02:00 PM	Lunch	Mess
02:00 PM - 03:30 PM	Parallel Sessions (Paper Presentation)	C15 (online), C16, C17,C18
03:30 PM – 03:45 PM	Tea Break	
03:45 PM – 5:15PM	Parallel Sessions (Paper Presentation)	C16, C17, C18
05:15PM – 5:45 PM	Closing Session	C15 (offline + online)

Tuesday 19 November 2024: 9:30 AM - 10:15 AM (IST)

Opening Session (Seminar Hall - 3rd Floor)

8:30 - 09:30	Registration at the Reception
9:30 - 10:15	Opening (Inaugural) session

Tuesday 19 November 2024: 10:15 AM - 11:00 AM (IST)

Plenary Session 1 (C-18 - 3rd Floor)

DEA2024 – P1	The Use of DEA in Economic Regulation – Sample Cases from Europe Professor Emmanuel Thanassoulis, Aston University, UK
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T1-1 (Tuesday 19 November 2024: 11:30 AM - 12:30 PM) IST

DEA Modelling and Algorithm (C-16 - 3rd Floor)

DEA2024-061	An Optimal Criteria Selection in Efficiency Assessment Through Integration of DEA with Rough Set Theory Ishu Dalal (Birla Institute of Technology and Science Pilani)*; Shivi Agarwal (Birla Institute of Technology and Science, Pilani); Trilok Mathur (Birla Institute of Technology and Science, Pilani)
DEA2024-106	Evaluating Performance Efficiency in the Malaysian Telecommunications Industry: A Data Envelopment Analysis Approach Arumugam G Sithamparam (Asia Pacific University)*; Senthil Kumar Thiagarajan (Asia Pacific University)
DEA2024-104	Chance-Constrained Data Envelopment Analysis and Its Duality Mehdi Toloo (Surrey Business School)*; Hajar Farnoudkia (Baskent University)

T1-2 (Tuesday 19 November 2024: 11:30 AM - 12:30 PM) IST

DEA Modelling and Algorithm (C-17 - 3rd Floor)

DEA2024-012	The impact of technological change on the marginal abatement cost and the equilibrium permit price: The slope and the level effects Sushama Murty (Jawaharlal Nehru University)*
DEA2024-051	Fuzzy DEA Model with Exogenously Fixed Variables for Ranking of Renewable Energy Sources Jyoti Luhaniwal (BITS Pilani, Pilani Campus)*; Shivi Agarwal (Birla Institute of Technology and Science, Pilani); Trilok Mathur (Birla Institute of Technology and Science, Pilani)

DEA2024-069	Analysis of technical efficiency of major Indian ports using Markov Chain Monte Carlo based Stochastic Frontier Analysis and Malmquist Index Jayanta Kumar Das (Indian Institute of Social Welfare and Business Management); Deepankar Sinha (Indian Institute of Foreign Trade)*; Sujit Mukherjee (Maulana Abul Kalam Azad University of Technology)
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T1-3 (Tuesday 19 November 2024: 11:30 AM - 12:30 PM) IST

DEA and Machine Learning / AI / big data (C-18 - 3rd Floor)

DEA2024-044	Forecasting cost efficiency of banks in India with integrated DDF-based network DEA and SVR approach Nishtha Gupta (Thapar Institute of Engineering & Technology, Patiala, Punjab)*; Jolly Puri (Thapar Institute of Engineering & Technology, Patiala, Punjab); Gautam Setia (Thapar Institute of Engineering & Technology, Patiala, Punjab)
DEA2024-091	Performance Prediction: An integration of Machine Learning and DEA Ardhana M Prabhash (IISER Bhopal); Vipin Valiyattoor (Indian Institute of Science Education and Research Bhopal)*
DEA2024-065	Measuring effectiveness of Digital Technology Integration for Business Sustainability Harpreet Kaur (Indian Institute of Management Amritsar)*

Tuesday 19 November 2024: 01:30 PM - 05:00 PM (IST)

Industry Session - Regulation Session (Online) (C-18- 3rd Floor)

Date: November 19, 2024,
Time: 9:00 UK, 10:00 Brussels, 13:30 India (Tea Break: 3:00 PM – 3:30 PM IST)

Chair: **Dr Sridhar Parthasarathy**, Oxera Consulting LLP, UK
Moderator: **Prof Emmanuel Thanassoulis**, Aston University, UK

Speakers:

- **Emil Heesche**, The Danish Water Regulatory Authority, Danish Competition and Consumer Authority – A REGULATORY PERSPECTIVE FOR ROBUST BENCHMARKING OF UTILITIES
- **Tore Langset**, Norwegian Water and Energy Directorate - USING BENCHMARKING IN THE ECONOMIC REGULATION OF THE ELECTRICITY DISTRIBUTION SYSTEM OPERATORS (DSOs) IN NORWAY
- **Daniel Mitchell**, Ofwat England & Wales water regulator - SETTING WATER AND WASTEWATER EFFICIENT EXPENDITURE ALLOWANCES IN THE 2024 PRICE REVIEW

- **Vitor Marques**, ERSE Portuguese energy regulator - NEW CHALLENGES FOR INCENTIVE REGULATION
- **Gert Brunekreeft**, Constructor University Bremen - Improving regulatory incentives for electricity grid reinforcement

T2-1 (Tuesday 19 November 2024: 01:30 PM - 03:00 PM) IST

ONLINE PRESENTATION (C-15 - 3rd Floor)

DEA2024-047	Efficiency of Veterinary Service delivery in Odisha: A study in two ecosystems using DEA Ganesha H S (KIIT University)*; Rabi N SUBUDHI (KIIT University)
DEA2024-038	A Forest-Based Resampling Approach for Estimating Statistical Production Frontier and Confidence Intervals of Efficiencies Yu Zhao (Tokyo university of science)*
DEA2024-114	Opening the Black-box of Input-output Weight Space for Performance Evaluation and Improvement Weiyang Qiu (Hefei University of Technology)*; Xiyang Lei (Hefei University of Technology)
DEA2024-023	Efficiency Analysis of Indian Pharmaceutical MSMEs: A Post-COVID Era Varun Mahajan (IIM Trichy)*

T2-2 (Tuesday 19 November 2024: 01:30 PM - 03:00 PM) IST

DEA and econometric methods in financial services (C-16 - 3rd Floor)

DEA2024-081	Risk-adjusted profit efficiency of Indian banks: Does Income Diversification Matter? Mehak Gupta (South Asian University); Preksha Jain (South Asian University); Sunil Kumar (South Asian University)*
DEA2024-088	Demystifying the trade-off debate in financial sustainability and social outreach and ranking of Indian MFIs: A bootstrap DEA framework Asif Khan (IMT Nagpur)*
DEA2024-108	Technical, Pure Technical and Scale Efficiency of Primary Agriculture Cooperative Credit Societies in Tamil Nadu M RAMAN MURUGESAN (Natesan Institute of Cooperative Management)*; Suresh G (Natesan Institute of Cooperative Management); Pandian R (Natesan Institute of Cooperative Management)
DEA2024-025	Efficiency of Indian Life Insurance Companies-A Cluster Based Approach Ram P Sinha (Government College of Engineering and Leather Technology)*; Alireza Amirteimoori (Istinye University)

T3-1 (Tuesday 19 November 2024: 03:30 PM - 05:00 PM) IST

ONLINE PRESENTATION (C-15 - 3rd Floor)

DEA2024-092	Application of data envelopment analysis in bank asset and liability management Jacob Muvingi (University of Kurdistan Hewler)*
DEA2024-123	On the Inverse Transformation of Undesirable Outputs in DEA: An Application to the Efficiency of Raw Material Flows Ali Emrouznejad (Surrey Business School); Maria Michali (University of Bristol)*; Gholam R. Amin (University of New Brunswick)
DEA2024-033	The Effect of Public-Private Partnership on the Productivity in Shrinking Public Service: A Matched Sample Approach Takayoshi Nakaoka (Doshisha University)*
DEA2024-093	Research on efficiency of medical and health resource allocation in China based on DEA Tianyi Liu (Tongji Medical College of Huazhong University of Science and Technology); Xue Bai (School of Nursing, Tongji Medical College of Huazhong University of Science and Technology)*

T3-2 (Tuesday 19 November 2024: 03:30 PM - 05:00 PM) IST

ONLINE PRESENTATION (C-15 - 3rd Floor)

DEA2024-115	FRANCISCO 2.0: Increasing the usability and appending Multiplicative DEA models for Internet services forecasting over time Francisco Daladier Marques Júnior (IFPB)*; Franks Patricio Maciel Filho (IFPB)
DEA2024-122	Efficiency of European banks in the context of recent developments Iveta Paleckova (Silesian University in Opava, School of Business Administration in Karvina)*
DEA2024-082	Target setting for airlines: A DEA bargaining approach with network structure Ming-Miin Yu (National Taiwan Ocean University)*
DEA2024-071	Does Private Tuition affects Efficiency of Government and Government aided Schools? An Evidence of Higher Secondary Level of Education in Kolkata Arpita Ghose (Jadavpur University)*; Sangita Choudhury (Maulana Abul Kalam Azad University of Technology, West Bengal)

T3-3 (Tuesday 19 November 2024: 03:30 PM - 05:00 PM) IST

Fuzzy DEA (FDEA) & DEA and econometric method in public sector (C-15 - 3rd Floor)

DEA2024-031	Performance Mapping of Startups in India using Data Envelopment Analysis Pratigya Kwatra (IILM University)*; Gokulananda Patel (Birla institute of Management technology)
DEA2024-037	Interval-Valued Pythagorean Fuzzy Super Efficiency Range Directional Model: A Case Study on Urban Air Pollutants in India Akash Jain (Netaji Subash University of technology, Dwarka, New Delhi, India)*; Pooja Bansal (Department of Mathematics, Netaji Subhas University of Technology, Dwarka, Delhi)
DEA2024-072	Examining Maintenance Efficiency and its Determinants in Indian Public Bus Companies: A DEA Approach Shivam Kushwaha (Institute of Rural Management Anand (IRMA))*; Anand Venkatesh (Institute of Rural Management Anand (IRMA))
DEA2024-036	DEA Approach to Linking Fintech and Commercial Bank Efficiency in India Joyeeta Deb (Assam University, Silchar)*; Anirban Dutta (Assam University)

W1-1 (Wednesday 20 November 2024: 09:30 AM - 11:00 AM) IST

ONLINE PRESENTATION (C-15 - 3rd Floor)

DEA2024-121	Environmental Sustainability Performance of US Airlines: Implications of Financial Performance and Technical Efficiency Sepideh Kaffash (Suffolk University)*; Emel Aktas (Cranfield University); Fahimeh Chomachaei (UMass Boston)
DEA2024-118	Selection of quality service criteria of Brazilian airports: A Selecting Slack-Based Measure approach under an Onion framework Paulo Nocera Alves Junior (Universidad Católica del Norte (UCN), Escuela de Ingeniería de Coquimbo (EIC)); Isotilia Costa Melo (ICN Business School, CEREFIGE - Université de Lorraine) *; Tatiana Kimura Kodama (São Carlos School of Engineering (EESC), University of São Paulo (USP)); Jessica Suarez Campoli (São Carlos School of Engineering (EESC), University of São Paulo (USP)); Marcelo Seido Nagano (University of São Paulo)
DEA2024-119	Progress of G20 nations on Sustainable Development Goal 6: integrating circular economy strategies for water sustainability Jessica Suarez Campoli (São Carlos School of Engineering (EESC), University of São Paulo (USP)); Tatiana Kimura Kodama (São Carlos School of Engineering (EESC), USP); Paulo Nocera Alves Junior (Universidad Católica del Norte (UCN)*, Escuela de Ingeniería de Coquimbo (EIC)); Marcelo Seido Nagano (University of São Paulo); Heloísa Burnquist (Luiz de Queiroz College of Agriculture (ESALQ), USP)

DEA2024-120	<p>Advancing terrestrial sustainability: A DEA-SBM analysis of G20 nations' progress on SDG 15 through circular economy practices</p> <p>Jessica Suarez Campoli (São Carlos School of Engineering (EESC)*, University of São Paulo (USP)); Tatiana Kimura Kodama (São Carlos School of Engineering (EESC), USP)); Paulo Nocera Alves Junior (Universidad Católica del Norte (UCN), Escuela de Ingeniería de Coquimbo (EIC)); Marcelo Seido Nagano (USP); Heloisa Burnquist (Luiz de Queiroz College of Agriculture (ESALQ) USP))</p>
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W1-2 (Wednesday 20 November 2024: 09:30 AM - 11:00 AM) IST

DEA in health and hospital efficiency (C-15 - 3rd Floor)

DEA2024-041	<p>Evaluating Efficiency in Indian Pharmaceutical Firms: A DEA Based Analysis</p> <p>Jyoti Sharma (Shri Mata Vaishno Devi University, Katra); Inder Kumar (Shri Mata Vaishno Devi University, Katra)*</p>
DEA2024-046	<p>An Investigation and Evaluation of Efficiency in Primary and Secondary Healthcare system of India using Data Envelopment analysis</p> <p>Qaiser Farooq F Dar (ICMR-National Institute of Research in Tribal Health)*; Ashiq Hussain Bhat (ICMR-RMRIMS, Patna); Gulbadin Farooq Dar (Department of Statistics, St Joseph's University, Bangalore. India.)</p>
DEA2024-053	<p>Evaluating e-Governance Efficiency: A Comparative Analysis of Developed, Developing, and Underdeveloped Nations</p> <p>Gourav Kumar Panda (Sambalpur University)*; debendra kumar mahalik (sambalpur university)</p>
DEA2024-017	<p>Health spending efficiency evaluation conditional on corruption control: A country level analysis</p> <p>Don U Galagedera (Monash University)*; Joan Tan (Monash University); Param Silvapulle (Monash University)</p>

W1-3 (Wednesday 20 November 2024: 09:30 AM - 11:00 AM) IST

DEA in transportation (C-15 - 3rd Floor)

DEA2024-020	<p>Efficiency Comparison of Container Terminal Ports, Study of South-West Asia</p> <p>Amna Al Raisi (German University of Technology); Mehdi A. Kamran (GERman University of Technology in Oman)*; Reza Babazadeh (Urmia University)</p>
DEA2024-032	<p>Extended Assignment Problem with Multiple Attributes</p> <p>Shantnu Verma (BITS Pilani, Pilani Campus)*; Shivi Agarwal (Birla Institute of Technology and Science, Pilani); Trilok Mathur (Birla Institute of Technology and Science, Pilani)</p>

DEA2024-058	Sustainable Efficiency in the main Ports of the world. An Analysis of Technological Frontiers Odette Delfin-Ortega (Universidad Michoacana de San Nicolás de Hidalgo)*; César Navarro-Chávez (Universidad Michoacana de San Nicolás de Hidalgo)
DEA2024-010	Energy efficiency evaluation based on DEA: case study of Adriatic container ports Mozhgan Mansouri Kaleibar (University of Ljubljana, Faculty of Maritime Studies and Transport); Evelin Krmac (University of Ljubljana, Faculty of Maritime Studies and Transport)*

Wednesday 20 November 2024: 11:30 AM - 01:00 PM (IST)

Plenary Session 2 & 3 (C-18 - 3rd Floor)

DEA2024 – P2	Opportunity Cost and Employment Effect of Emission Reduction: An Inter-Industry Comparison of Targeted Pollution Reduction Professor Subhash C Ray, University of Connecticut, USA
DEA2024 – P3	Data envelopment analysis with volume and ratio inputs and outputs Professor Victor Podinovski, Loughborough University, UK

W2-1 (Wednesday 20 November 2024: 02:00 PM - 03:30 PM) IST

ONLINE PRESENTATION (C-15 - 3rd Floor)

DEA2024-014	Efficiency evaluation of the Indian Pension Fund Managers Shoab Alam Siddiqui (SVKM'S Narsee Monjee Institute of Management Studies, Deemed to be University, Indore)*
DEA2024-113	A Dual Incentive Subsidy Allocation Method Based on Stackelberg Game DEA Wang Vihong (HeFei university of technology)*
DEA2024-086	Evaluating Energy Productivity and Greenhouse Gas Emissions: An International Comparison Hafsa H Pial (Queensland University of Technology)*
DEA2024-125	Cost and allocative efficiency of acute public hospitals in Ireland Niall Devitt (Kemmy Business School, University of Limerick)*; Declan Dineen (Kemmy Business School, University of Limerick); Marta Zieba (Kemmy Business School, University of Limerick)

W2-2 (Wednesday 20 November 2024: 02:00 PM - 03:30 PM) IST

DEA and econometric methods in financial services (C-16 - 3rd Floor)

DEA2024-029	Dynamics of Intellectual Capital Efficiency in Indian Automobile Firms Amidst Pandemic Crisis: A Comparative Study Supran Kumar Sharma (Shri Mata Vaishno Devi University)*; Neha Chandra (Shri Mata Vaishno Devi University); Rohit Kumar Singh (Constituent Government Degree College, Hasanpur)
DEA2024-042	Efficiency Evaluation and Performance Determinants: An Analysis of Indian Commercial Banks Using DEA and Tobit Regression Jyoti Gill (Shri Vishwakarma Skill University)*; Dr. Dalip Raina (Shri Vishwakarma Skill University)
DEA2024-073	Two Stage Free Disposable Hull Stochastic Data Envelopment Analysis Model Aarti Yadav (Indian Institute of Technology(IIT) Delhi)*; Aparna Mehra (Indian Institute of Technology(IIT) Delhi)
DEA2024-043	Evaluating Investment Efficiency in Coal Mining Company: A Case Study of Mahanadi Coal Field Ltd. Using DEA Akankika Tripathy (Sambalpur University)*; debendra kumar mahalik (sambalpur university)

W2-3 (Wednesday 20 November 2024: 02:00 PM - 03:30 PM) IST

DEA and econometric methods in education (C-17 - 3rd Floor)

DEA2024-028	Assessing Indian universities efficiency in placement and post-graduate pursuit using AHP and DDF based super-efficiency DEA model Shivani Kalyan (Netaji Subhas University Of Technology)*; Pooja Bansal (Department of Mathematics, Netaji Subhas University of Technology, Dwarka, Delhi)
DEA2024-030	Managerial Ability Assessment of Turkish State Universities with DEA Ayhan GÖLCÜKCÜ (Beykent University)*
DEA2024-103	Measuring corporate sustainability with data envelopment analysis: A multi-technique bibliometric review and future research agenda Gokulananda Patel (Birla institute of Management technology)*; Violeta Cvetkoska (Ss. Cyril and Methodius University); Bojan Kitanovikj (Ss. Cyril and Methodius University in Skopje, Faculty of Economics - Skopje)
DEA2024-024	Benchmarking in education: Data Envelopment Analysis approaches for solving bi-objective problems Dovile Stumbriene (Vilnius University)*; José L. Ruiz (Centro de Investigación Operativa, Universidad Miguel Hernández); Inmaculada Sirvent (Centro de Investigación Operativa, Universidad Miguel Hernández)

W2-4 (Wednesday 20 November 2024: 02:00 PM - 03:30 PM) IST

DEA modelling and algorithm, Nonconvex DEA, Pure Inputs of Outputs DEA Models, Malmquist productivity index (C-18 - 3rd Floor)

DEA2024-070	Analyzing Marketing Channel Efficiency for Tribal Vegetable Growers of Sundargarh District Sumant Kerketta (Sambalpur University)*; Gourav Kumar Panda (Sambalpur University); debendra kumar mahalik (sambalpur university)
DEA2024-096	Growth and Sustainability: Analyzing Green Total Factor Productivity in India's Pharmaceutical Industry Soma Bharti (Indian Institute of Technology,Roorkee)*; Pratap C Mohanty (Indian Institute of Technology,Roorkee)
DEA2024-039	Slack-based Free Disposal Hull Models with Interval Data Anjali Naik (Indian Institute of technology Delhi)*; Aparna Mehra (Indian Institute of technology Delhi); Kristiaan H.J. Kerstens (IESEG School of management)
DEA2024-015	DEA Enabled Markovian Models for Steering the Evolution of Population Structures Andreas C Georgiou (University of Macedonia); George Tsaples (University of Macedonia); Emmanuel Thanassoulis (Aston University) *; Konstantinos Kaparis (University of Macedonia)

W3-1 (Wednesday 20 November 2024: 03:45 PM - 05:15 PM) IST

DEA and econometric methods in regulation (C-16 - 3rd Floor)

DEA2024-080	Central bank digital currency and multidimensional bank stability index: Does monetary policy play a moderating role? Evidence from BRICS Garima Gupta (Indian Institute of Technology Roorkee)*; Rachita Gulati (Indian Institute of Technology Roorkee), Rishman Chahal (Indian Institute of Technology Roorkee)
DEA2024-055	A frontier based approach for operational performance of thermal generating plants Shambhavi Mishra (IIT, Kanpur)*; Anoop Singh (IIT, Kanpur); Sufia Sufia (IIT, Kanpur)
DEA2024-107	Critical Evaluation of Indian Electricity Generation Utilities using Data Envelopment Analysis (DEA) Ramaiah Veerlapati (Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology)*; Chandrasekar Perumal (Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology)
DEA2024-056	Performance assessment of Indian electricity distribution utilities using reliability indices: A two-stage data envelopment analysis Sufia (IIT, Kanpur)*; Anoop Singh (IIT, Kanpur); Shambhavi Mishra (IIT Kanpur)

W3-2 (Wednesday 20 November 2024: 03:45 PM - 05:15 PM) IST

Network DEA and dynamic efficiency (C-17 - 3rd Floor)

DEA2024-052	Assessing the Cost-Effectiveness of Indian Banks: Evidence based on interval dynamic DEA Rajinder Kaur (Department of Mathematics, Thapar Institute of Engineering and Technology, Patiala)*; Jolly Puri (Department of Mathematics, Thapar Institute of Engineering and Technology, Patiala)
DEA2024-095	Efficiency Variations in Marketing Efforts of India's Pharmaceutical Industry: A Dynamic WDEA Approach Kamal Sharma (Indian Institute of Technology Roorkee)*; Pratap Mohanty (Indian Institute of Technology Roorkee)
DEA2024-026	Green efficiency of Firms in Power Industry considering the Relation among CO2 Emissions, Green Technology, and Green Investment Donghoon Kang (Yonsei University)*; So Young Sohn (Yonsei University)
DEA2024-076	DEA models for technologies with parallel processes Grammatoula Papaioannou (Loughborough University); Victor Podinovski (Loughborough University)*

W3-3 (Wednesday 20 November 2024: 03:45 PM - 05:15 PM) IST

DEA models with undesirable factors (C-18 - 3rd Floor)

DEA2024-045	Non-homogeneous DEA model handling undesirable data: An application for assessing performance of Life insurance companies Pooja Bansal (Department of Mathematics, Netaji Subhas University of Technology, Dwarka, Delhi)*; Anchal Gulia (Netaji subhas university of technology Dwarka)
DEA2024-102	Energy Use Efficiency and Just Transition: An Empirical Analysis of the Indian Power Sector using Data Envelopment Analysis Sabuj Kumar Mandal (Indian Institute of Technology Madras)*; Tanurima Brahma (Indian Institute of Technology Madras)
DEA2024-019	Formulating Environmental, Social, and Governance (ESG) Strategies for Assessing Municipal Waste Disposal Centers Using Data Envelopment Analysis: A Case Study in Mexico Kia, Reza*; Gholian-Jouybari, Fatemeh ; Khazaei, Moein ; Farzipoor Saen, Reza ; Hajiaghahi-Keshteli, Mostafa ; Ramezani, Mohammad
DEA2024-016	A data envelopment approach for reallocating green gas emissions in cap-and-trade context Reza Farzipoor Saen (Sultan Qaboos University)*

All information is correct at the time of printing and is subject to change without notice.