Pisa, June 23-26, 2009
School of Engineering - University of Pisa
POLO ETRURIA - Via Diotisalvi, 2 – Pisa

Local Organizers

Andrea Bonaccorsi, Department of Electrical Systems and Automation, University of Pisa
Cinzia Daraio, CIEG Department of Management, University of Bologna
Federico Perali and Angelo Zago, Department of Economics, University of Verona
PUBLIC SERVICES & NON PROFIT

ROOM: F3

CHAIRS: GIOVANNI CESARONI, PAULO MORAI

PRODUCTIVITY OF VOLUNTEER LABOUR: DEA-BASED EVIDENCE FROM ITALY
Sergio Destefanis, Ornella Wanda Maietta
Presenter: MAIETTA

A MAXIMIZING PUBLIC VALUES MODEL FOR SUBSIDIZED NON-PROFIT FIRMS: AN APPLICATION TO DUTCH SOCIAL LABOR SERVICES
Patrick Koot, Jos Blank
Presenter: KOOT

EFFICIENCY AND TECHNICAL CHANGE IN ITALIAN PENITENTIARIES
Giovanni Cesaroni, Aldo Lamberti
Presenter: CESARONI

EVALUATION OF PERFORMANCE OF EUROPEAN CITIES WITH THE AIM TO PROMOTE QUALITY OF LIFE IMPROVEMENTS
Paulo Morais, Ana Camanho
Presenter: MORAIS

RETAIL

ROOM: F7

CHAIRS: ANA CAMANHO, LUIS OREA

BUSINESS MODELS AND PROFIT: THE CASE OF WAL-MART
Humberto Brea, Ramon Casadesus-Masanell, Emili Grifell-Tatjé
Presenter: BREA

PERFORMANCE COMPARISON BETWEEN RETAILING STORES USING A MALMQUIST-TYPE INDEX
Clara Vaz, Ana Camanho
Presenter: CAMANHO

PERFORMANCE EFFICIENCY OF WAREHOUSE OPERATIONS: A NETWORK DEA ANALYSIS
Nasim Sabounchi, Kostas Triantis, Andy Johnson
Presenter: JOHNSON

ENTRY EFFICIENCY AND BARRIERS TO ENTRY IN THE SPANISH RETAIL MARKET: A FRONTIER APPROACH
Luis Orea
Presenter: OREA

10:30 - 11:00  Coffee Break

11:00 - 12:30

FDI

ROOM: F7

CHAIRS: LUCIA PISCITELLO, R. ROBERT RUSSELL

THE ROLE OF FOREIGN MNES IN INFRASTRUCTURE AND SERVICE SECTORS ON LOCAL FIRM'S PRODUCTIVITY. EVIDENCE FROM ITALY
Marcella Nicolini, Lucia Piscitello
Presenter: NICOLINI

FOREIGN INVESTMENT AND PRODUCTIVITY OF TURKISH COMMERCIAL BANKS: PARAMETRIC VERSUS NONPARAMETRIC ANALYSIS
Ozlem Olgu Akdeniz
Presenter: OLGU

FOREIGN DIRECT INVESTMENT AND CONVERGENCE: A NONPARAMETRIC PRODUCTION FRONTIER APPROACH
Waner Gu, Robert Russell
Presenter: GU
Performance comparison between retailing stores using a Malmquist-type index

C.B. Vaz* e A.S. Camanho**

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This study develops a methodology that combines different management science methods (Data Envelopment Analysis, Malmquist indices and statistical tests) to provide insights concerning the performance of stores. Firstly, the methodology enables to specificate appropriate targets for stores in a retail network, by using Data Envelopment Analysis. This is performed by comparing similar stores which belong to the same group, i.e., supermarkets and hypermarkets. Secondly, the methodology compares globally the performance between those groups by characterizing their productivity levels. For this, the methodology combines the use of a Malmquist-type index with statistical tests. This index is decomposed into sub-indices for comparing the differences between groups in terms of efficiency spread in each group of stores and the productivity differences between the best-practice frontiers spanning by the benchmark stores from each group. The hypothesis tests are used to verify if the differences between groups captured by the sub-indices are statistically significant.