

2014 INTERNATIONAL DATA ENVELOPMENT ANALYSIS WORKSHOP:
“Applications of DEA models to sustainable development, economic integration, industry and services”.

PROGRAM SUMMARY

SEPT. 17 th 16:00-18:00 19:00-21:00	Dr. Ali Emrouznejad, DEA Software Tutorial. Welcome reception
SEPT. 18 th 08:30-09:30 09:30 -10:30	Opening ceremony (Centro de las Artes, Aula Magna) Keynote speaker: Dr. Rajiv D. Banker, “Strategic Scorecard Analysis for Governments”
10:30 -11:00	Coffee Break
11:00 -12:10	Plenary Session 1 (Department of Mathematics, Enrique Valle Flores Auditorium) Data Envelopment Analysis: Theory
11:00 -11:20	Virtual-Gap measurement model for assessing a set of units by DEA
11:20-11:40	Procedures of modeling network DEA based on virtual-gap measures Sustainable development
11:40-12:00	Sustainable development: basic concepts
12:00-12:20	Effects of Air Pollutants on Health International Commerce
12:20-12:40	The Fair Trade in Mexico: A Sustainable Alternative of Social Development
13:30-15:00	Lunch
16:00-19:20	Plenary Session 2 (Department of Mathematics, Enrique Valle Flores Auditorium) Public Services
16:00-16:20	Efficiency in Mexico Universities: A Comparative of Data Envelopment Analysis (DEA) and Stochastic Frontier (SFA) with Maximum Likelihood.
16:20-16:40	Short-Run Cost Minimization and Capacity Utilization over Regional Public Hospitals in South Korea Energy
16:40-17:00	An empirical comparative Malmquist analysis of two Refineries: Searching new technological inputs Corporate and Public Finance
17:00-17:20	Measurement of capacity and fiscal effort in the states of Mexico
17:20-17:40	Mexican bank’s productivity and global financial crisis

17:40 -18:00	Coffee Break
18:00-18:20	Environment protection A simple model for monitoring ecological protection
18:20-18:40	A neural network approach to look for stable states in an ecological protection model. Mexican case.
18:40-19:00	Water treatment plants efficiency in Mexico
20:30-23:00 SEPT. 19 th	Gala Dinner
9:00-10:00	Keynote Speaker: Prof. Dr. hab Joost (Johannes) Platje: “Capacity and capability for sustainable development - a transaction costs and property rights perspective” (Centro de las Artes, Aula Magna).
10:00-10:30	Coffee Break
10:30-12:50	Plenary Session 3 (Department of Mathematics, Enrique Valle Flores Auditorium) Regional development
10:30:10:50	An analysis of technical efficiency and productivity change in the Mexican manufacturing sub-sectors between 1988 and 2008.
10:50-11:10	Econometrics and big data Self Adaptive Genetic Algorithms for the modeling of Time series with missing and incorrect values.
11:10-11:30	2G algorithm applied in error correction in forecasting a real problem
11:30-11:50	The big data explosion: a big problem or a big opportunity?
11:50-12:50	Panel: “Sustainable development: past, present and future”.
14:30-16:30	Lunch
16:30-19:30	City Tour
20:30-21:30 SEPT. 20 th	Dinner
9:00-20:00	Optional Trip: San Carlos, Nuevo Guaymas.