

Program | Workshop on Assessment Methodologies 2015

June 19, 2015 Coimbra, Portugal

Welcome Session: 9h30 - 10h00

Parallel Sessions: 10h00 - 11h20

Session 1: Energy | Room 1

Chair: António Gomes Martins

POTENTIAL EXTERNALITIES SAVINGS DUE TO ELECTRIC VEHICLE SMART CHARGE

Gabriela Benveniste Pérez, Cristina Corchero and Miguel Cruz-Zambrano

STRATEGIES FOR DEVELOPING BATTERIES FOR ELECTRIC VEHICLES: A REAL OPTIONS MODEL

Joana Fialho, Pedro Godinho and João Paulo Costa

MULTIOBJECTIVE METHODOLOGY FOR IMPACT ASSESSMENT OF THE BEST LOCATION OF DISTRIBUTED ELECTRIC ENERGY STORAGE

José Gonçalves, Luís Neves and António Gomes Martins

EXPLANATORY VARIABLES ON SOUTH-WEST SPOT ELECTRICITY MARKETS INTEGRATION

Nuno Carvalho Figueiredo and Patrícia Pereira Da Silva

Session 2: Multicriteria Decision Analysis and Input-Output Analysis | Room 2

Chair: Pedro Ramos

ROBUST STATISTICS VS ROBUST OPTIMIZATION APPLIED TO PORTFOLIO ALLOCATION

Ana Monteiro, António Santos and Rui Pascoal

ADAPTION OF THE PROFITABILITY ESTIMATION FOCUSED ON BENEFITS DUE TO PERSONAL AFFECTION

Stephan Printz, René Vossen and Sabina Jeschke

A BI-REGIONAL (RECTANGULAR) INPUT-OUTPUT MODEL FOR PORTUGAL: CENTRO AND REST OF THE COUNTRY

Pedro Ramos, Luís Cruz, Eduardo Barata, André Parreira and João-Pedro Ferreira

MULTI-CRITERIA SUSTAINABILITY CLASSIFICATION OF DAIRY FARMS IN A PORTUGUESE REGION

Sandra Silva, Luís Alçada-Almeida and Luís Dias

Coffee break: 11h20 - 11h40

Parallel Sessions: 11h40 - 13h15

Session 3: Life-Cycle Analysis | Room 1

Chair: Luís Dias

LIFE-CYCLE ASSESSMENT OF ELECTRICITY IN PORTUGAL – ATTRIBUTIONAL AND CONSEQUENTIAL APPROACHES

Rita Garcia, Pedro Marques and Fausto Freire

IMPORT SOYA GRAIN, OIL OR BIODIESEL FROM BRAZIL? LIFE-CYCLE ASSESSMENT AS AN ENVIRONMENTAL DECISION SUPPORTING TOOL

Erica Castanheira, Suaní Coelho, Gil Silva and Fausto Freire

ADDRESSING UNCERTAINTY IN THE LIFE CYCLE ASSESSMENT OF BIODIESEL (RME)

João Malça, João Queirós and Fausto Freire

INTEGRATING LIFE-CYCLE ASSESSMENT AND MULTICRITERIA DECISION ANALYSIS: AN APPLICATION TO BIODIESEL ALTERNATIVE CHAINS

Luís Dias, Carolina Passeira, João Malça and Fausto Freire

Session 4: Transportation I | Room 2

Chair: António Pais Antunes

DECISION-MAKING APPROACHES TO TRANSPORTATION PLANNING PROBLEMS

António Pais Antunes

ASSESSING THE VIABILITY OF ENABLING A ROUND-TRIP CARSHARING SYSTEM TO ACCEPT ONE-WAY TRIPS: APPLICATION TO LOGAN AIRPORT IN BOSTON

Diana Jorge, Barnhart Cynthia and Gonçalo Correia

MICROSIMULATION FOR TRAFFIC CALMING SCHEMES ASSESSMENT – A CASE STUDY

Joana Dourado and Ana Bastos Silva

INTEGRATED MODELLING OF ENERGY CONSUMPTION AND ATMOSPHERIC EMISSIONS RELATED WITH URBAN ROAD TRANSPORT

Daniela Dias, Oxana Tchepel and António Pais Antunes

A COMPREHENSIVE LIFE CYCLE COSTS ANALYSIS OF IN-PLACE RECYCLING AND CONVENTIONAL PAVEMENT CONSTRUCTION AND MAINTENANCE PRACTICES

João Santos, James Bryce, Gerardo Flintsch and Adelino Ferreira

Lunch: 13h15 - 14h15

Keynote session: 14h15 - 15h00

STRUCTURAL INTERDEPENDENCE IN EX ANTE POLICY ASSESSMENT

Eduardo Haddad, University of São Paulo

Parallel Sessions: 15h00 - 16h00

Session 5: Data Envelopment Analysis | Room 1

Chair: Clara Bento Vaz

ECO-EFFICIENCY ASSESSMENT OF WORLD-CLASS MINING COMPANIES

Renata Oliveira, Ana Camanho and Andreia Zanella

MEASURING TECHNICAL EFFICIENCY OF EUROPEAN COUNTRIES USING DATA ENVELOPMENT ANALYSIS

Clara Bento Vaz and Ângela Paula Ferreira

PERFORMANCE EVALUATION OF BRAZILIAN WATER SECTOR

Pedro Simões, Francisco Pinto and Rui Marques

Session 6: Demand Response | Room 2

Chair: Carlos Henggeler Antunes

A BI-OBJECTIVE EVOLUTIONARY APPROACH TO THE MANAGEMENT OF RESIDENTIAL ENERGY RESOURCES

Ana Soares, Carlos Oliveira, Álvaro Gomes and Carlos Henggeler Antunes

AN AGGREGATOR OF ENERGY MANAGEMENT SYSTEMS – A HYBRID EVOLUTIONARY APPROACH

Andreia Carreiro, Carlos Oliveira, Carlos Henggeler Antunes and Humberto Jorge

A HYBRID MULTI-OBJECTIVE APPROACH FOR A DIRECT LOAD CONTROL PROBLEM

Eunice Oliveira, Carlos Henggeler Antunes and Álvaro Gomes

Parallel Sessions: 16h20 - 17h40

Session 7: Transportation II | Room 1

Chair: Jorge Freire de Sousa

SIMULATING THE POTENTIAL IMPACTS OF HIGH-SPEED RAIL ON LAND COVER CHANGE IN THE LISBON METROPOLITAN AREA WITH THE USE OF A BI-LEVEL CELLULAR AGENT-BASED MODEL

Yu Shen, Guineng Chen, João de Abreu e Silva and Luís Miguel Martínez

IMPROVING THE ROBUSTNESS OF BUS SCHEDULES USING A MILP MODEL

Joana da Hora Martins, Teresa Galvão Dias and Ana Camanho

RELIABILITY METRICS FOR THE EVALUATION OF THE SCHEDULE PLAN IN PUBLIC TRANSPORTATION

Jorge Freire de Sousa, João Mendes-Moreira, Luís Moreira-Matias and João Gama

THE IMPACT OF A CRISIS IN A COST-BENEFIT ANALYSIS: WHAT HAS CHANGED IN THE DOURO INTERIOR SUB CONCESSION ECONOMIC EVALUATION?

Sandrina Filipe, Pedro Godinho and Joana Dias

Session 8: Macroeconomic Modelling, Water and Energy in the European Union | Room 2

Chair: Patrícia Pereira da Silva

ASSESSING THE DISTRIBUTION AND USE OF INCOME AND CHANGES IN INCOME WITH SOCIAL ACCOUNTING MATRICES

Susana Santos

TOWARDS AN AUCTION SYSTEM IN THE ALLOCATION OF EU EMISSION RIGHTS: ITS EFFECT ON FIRMS' STOCK MARKET RETURNS

Patricia Pereira Da Silva, Blanca Moreno and Ana Rosa Fonseca

WATER SERVICES REGULATION: AN INTERNATIONAL CHARACTERIZATION

Sandra Tralhão, Rita Martins and João Paulo Costa

ENERGY EFFICIENCY GOVERNANCE IN THE EUROPEAN UNION MEMBER STATES - ANALYSIS ON CURRENT STATUS

Guillermo Ivan Pereira and Patrícia Pereira Da Silva

Session 9: Social Networks, Health and Education |

Room 1

Chair: Maria Conceição Costa Pereira

SOCIAL NETWORK ANALYSIS TO SUPPORT DECISION-MAKING

Manuela Freire, Francisco Antunes and João Paulo Costa

PREFERENCE BASED DECISIONS IN HEALTH

Patrícia Antunes, Pedro L. Ferreira and Lara N. Ferreira

ASSESSING THE EFFECT OF EDUCATION ON SUBJECTIVE WELL-BEING IN PORTUGAL: A STUDY OF MEDIATING EFFECTS

Maria Conceição Costa Pereira and Daniel Martins

Session 10: Multiobjective Assessment | Room 2

Chair: João Paulo Costa

DIFFICULTIES AND CHALLENGES IN MULTIOBJECTIVE BILEVEL OPTIMIZATION PROBLEMS

Maria João Alves

MULTIOBJECTIVE MIXED-INTEGER LINEAR PROGRAMMING FOR LOCATION OF BIOGAS PLANTS

Sandra Silva, Luís Alçada-Almeida and Luís C. Dias

EXPLORING REMOTE LOAD CONTROL STRATEGIES WITH MULTIOBJECTIVE FRACTIONAL PROGRAMMING

João Paulo Costa, Maria João Alves and Humberto Jorge