Program | Workshop on Assessment Methodologies 2015  
June 19, 2015 Coimbra, Portugal

Welcome Session: 9h30 - 10h00  
Parallel Sessions: 10h00 - 11h20

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<th>Session 1: Energy</th>
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<td><strong>Chair:</strong> António Gomes Martins</td>
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**Parallel Sessions:** 10h00 - 11h20

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<th>Session 2: Multicriteria Decision Analysis and Input-Output Analysis</th>
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**Coffee break:** 11h20 - 11h40  
**Parallel Sessions:** 11h40 - 13h15

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**Parallel Sessions:** 11h40 - 13h15

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**Lunch:** 13h15 - 14h15

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**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

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**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

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**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, Suani 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 MULTI-CRITERIA DECISION ANALYSIS: AN APPLICATION TO BIODIESEL ALTERNATIVE CHAINS**
  Luís Dias, Carolina Passeira, João Malça and Fausto Freire

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**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

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**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