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<th>Time</th>
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<tr>
<td>9:00 - 9:30</td>
<td>Registration</td>
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<tr>
<td>9:30 - 10:00</td>
<td>Conference Opening Session (EWG-DSS, PROMETHEE Days, HCMR) / Announcements</td>
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<td>(The opening and closing session, all invited talks and panels will take place at the HCMR amphitheater)</td>
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<tr>
<td>10:00 - 11:00</td>
<td><strong>Invited Talk 1</strong></td>
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<td>Professor Cathy Macharis, Vrije Universiteit Brussel, Belgium.</td>
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<td></td>
<td><em>Including stakeholders in the decision and evaluation process: the possibilities of the MAMCA methodology</em></td>
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<td>Chair: Jason Papathanasiou</td>
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<tr>
<td>11:00 - 11:15</td>
<td>Coffee Break</td>
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<td>11:15 - 13:00</td>
<td><strong>Parallel Session 1a (ICDSST, amphitheater)</strong></td>
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<td></td>
<td><strong>Collaborative, participatory and group DSS</strong></td>
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<td>Chair: Pascale Zarate</td>
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<tr>
<td>1.</td>
<td><em>[SK-DSSy: how to integrate the YouTube platform in a cooperative decision support]</em></td>
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<td>Dario Torregrossa and Joachim Hansen</td>
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<td>2.</td>
<td><em>A Group Decision-Making Model for Supplier Selection: the Case of a Colombian Agricultural Research Company</em></td>
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<td>Jenny Milena Moreno Rodriguez, Takanni Hannaka Abreu Kang, Eduarda Asfora Frej and Adiel Teixeira de Almeida</td>
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<td>3.</td>
<td><em>Normalization Techniques for Collaborative Platforms</em></td>
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<td>Nazanin Vafaei, Rita Ribeiro, Luis M. Camarinha-Matos and Maria L.R. Varela</td>
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<td>4.</td>
<td><em>An Interactive Learning Environment Based on System Dynamics Methodology for Sustainable Mobility Challenges Communication &amp; Citizens’ Engagement</em></td>
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|             | Glykeria Myrovali, Georgios Tsaples, Maria Morfoulaki, Georgia}
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<tr>
<th>13:00 - 14:15</th>
<th>Light Lunch</th>
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<tr>
<td>14:15 - 15:15</td>
<td>Invited Talk 2</td>
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</table>
**Professor Jean-Philippe Waaub**, University of Quebec, Canada. *Multicriteria and multi-stakeholder decision aid: lessons learned from environmental case studies*  
Chair: Bertrand Mareschal

| 15:15 - 17:00 | Parallel Session 2a (ICDSST, amphitheater) |
**DSS models**  
Chair: Boris Delibasic

1. *A multilabel prediction model for predicting part of the body and type of ski injury*  
Sandro Radovanović, Boris Delibašić and Milija Suknović

2. *Critical Events and Critical Infrastructures: A System Dynamics Approach*  
Stefano Armenia, Georgios Tsaples and Camillo Carlini

3. *Forecasting Models Comparison: Statistical vs. Machine Learning*  
Xin James He

4. *Expected Shortfall of the Makespan in Interval-Valued Activity*
Parallel Session 2b (PROMETHEE Days, seminar room)

Sustainable Approaches with PROMETHEE
Chair: Bertrand Mareschal

1. Sustainable Energy Transition Readiness: A multicriteria assessment based on PROMETHEE II
   Hera Neofytou, Alexandros Nikas, Eleftherios Siskos and Haris Doukas

2. Evaluation of Renewable Energy Sources in the Context of Brazilian Ports Using the PROMETHEE-ROC Approach
   Takanni Hannaka Abreu Kang, Dayla Karolina Fossile, Sérgio Eduardo Gouvea Da Costa, Ana Paula Cabral Seixas Costa and Adiel Teixeira de Almeida

3. An Integrated MCDA Model for making Sustainable Investment Decisions on the basis of SDGs
   Micheal Akampa

   Thyago C. Nepomuceno, Cinzia Daraio and Ana Paula Costa

17:00 - 17:15 Coffee Break

Parallel Session 3a (ICDSST, amphitheater)

Security and safety
Chair: Maro Vlahopoulou

1. Cybersecurity threats: a proposed system for assessing threat severity
   George Tsakalidis, Kostas Vergidis, Michael Madas and Maro Vlahopoulou

2. Information Systems Policy and Strategic Planning: The Alignment between Organizational Factors and ICT Security Management
   Fotis Kitsios, Maria Kamariotou, Ioannis Mavridis and Panagiotis Fouliras

3. Big Data Analytics to Improve the Decision-Making Process in Public Safety: A Case Study in Northeast Brazil
   Jean Turet and Ana Paula Cabral Seixas Costa
4. **A Decision Support System to Define Public Safety Policies**  
   Ana Paula Henriques de Gusmão, Ana Paula Cabral Seixas Costa, Maisa Mendonça Silva and Thárcylla Clemente

5. **Using IBM Watson for profiling the students of a Greek University**  
   Dimitris Xenos, Chariton Tsakalidis, Kostas Vergidis and Maro Vlachopoulou

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**Parallel Session 3b (PROMETHEE Days, seminar room)**

### Applications of PROMETHEE

Chair: Cathy Macharis

1. **Decision-support framework for prioritization in implementation of the bicycle path sections**  
   Drazenko Glavic and Marina Milenkovic

2. **Modeling instigators of racism, abuse in football: The case of six EU countries**  
   Theodore Tarnanidis, Jason Papathanasiou, Georgios Tsaples and Stratos Moschidis

3. **Decision Support to Facade Renovation Planning for Small Multi-story Buildings**  
   Niksa Jajac, Marko Mladineo, Nenad Mladineo and Lucija Turcinov

4. **A DSS models for selection of Computer on Module based on PROMETHEE and DEX methods**  
   Gjorgji Nusev, Pavle Boškoski, Marko Bohanec and Biljana Mileva Boshkoska
## Wednesday 23/5/2018

### Parallel Session 4 (ICDSST, amphitheater)

**DSS Models and frameworks**
Chair: Isabelle Linden

1. *An Ontology-based Decision Support Framework for Personalized Quality of Life Recommendations*
   - Marina Riga, Efstratios Kontopoulos, Kostas Karatzas, Stefanos Vrochidis and Ioannis Kompatsiaris

2. *A Sustainable Knowledge-based Innovation Strategy Framework*
   - Dimitrios Mitroulis and Fotis Kitsios

3. *A Modelling Approach to Generating User Acceptance Tests*
   - Leandro Antonelli, Guy Camilleri, Julián Grigera, Mariánges Hozikian, Cécile Sauvage and Pascale Zarate

4. *A new function for ensemble pruning*
   - Souad Taleb Zouggar and Abdelkader Adla

### Parallel Session 5 (ICDSST, seminar room)

**Sustainable Logistics and Transportation I**
Chair: Marko Bohanec

1. Multi-source traffic prediction in cities with harbor for reducing congestion
   - Josep-Maria Salanova, Panagiotis Tzenos

2. Logistics plan in cities with ports: The case of Kavala, Greece
   - Georgia Aifadopoulou and Josep-Maria Salanova

   - Adrian Solomon and Panayiotis Ketikidis

4. *Decision Support Systems for Managing Broad Transitions to Renewables*
   - Renato Flôres and Ruderico Pimentel

5. *Strategic Information Systems in Logistics and Supply Chain Management*
   - Fotis Kitsios, Maria Kamariotou, Michael Madas, Konstantinos Fouskas and Vicky Manthou

### Time Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
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<tbody>
<tr>
<td>9:00 - 10:45</td>
<td><em>Parallel Session 4 (ICDSST, amphitheater)</em></td>
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<tr>
<td>10:45 - 11:00</td>
<td>Coffee Break</td>
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<tr>
<td>11:00 - 12:00</td>
<td><em>Invited Talk 3</em></td>
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<td>Time</td>
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<td>12:00 - 13:00</td>
<td>Panel 1: &quot;Exploiting experiences with European Collaboration Projects: from Proposal Preparation &amp; Evaluation to Project Participation &amp; Coordination&quot;&lt;br&gt;Chair: Pavlos Delias&lt;br&gt;Panelists:&lt;br&gt;Dr. Fatima Dargam, SimTech Simulation Technology &amp; REACH, Austria&lt;br&gt;Prof. Shaofeng Liu, University of Plymouth, UK&lt;br&gt;Prof. Rita Ribeiro, UNINOVA University, Portugal&lt;br&gt;Prof. Pascale Zarate, Toulouse University / IRIT, France&lt;br&gt;Dr. Lucia Fanini, HCMR, Greece&lt;br&gt;Panel 1 is sponsored by REACH Innovation Consultancy (<a href="http://www.reach-consultancy.eu">www.reach-consultancy.eu</a>): REACH will draw a prize among the participants for a free virtual Coaching Consulting Session on EU Funding, Program &amp; Calls for Projects right after Panel 1.</td>
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<td>13:00 - 14:15</td>
<td>Light Lunch</td>
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<td>14:15 - 16:00</td>
<td>Parallel Session 6 (ICDSST, amphitheater)</td>
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<td></td>
<td>Sustainable Logistics and Transportation II</td>
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<td>Chair: Rita Ribeiro</td>
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<td>1.</td>
<td>Low data intensive modal split model for supporting taxi policy making. Case study in Cyprus&lt;br&gt;Josep-Maria Salanova</td>
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<td>2.</td>
<td>Multi-source data framework for the estimation of risks in the transport of dangerous goods&lt;br&gt;Josep-Maria Salanova, Thanasis Gkoutzikas, Stratis Zacharis and Emmanouil Chaniotakis</td>
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<td>3.</td>
<td>Building theory of agri-food supply chain resilience using total interpretive structural modelling and MICMAC analysis&lt;br&gt;Guoqing Zhao, Shaofeng Liu and Carmen Lopez</td>
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<td>4.</td>
<td>An Agent-Based Decision Support System for Supply Chain Management in the Petroleum Industry&lt;br&gt;Florina Covaci and Pascale Zarate</td>
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<td>Parallel Session 7 (ICDSST, seminar room)</td>
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<td>Policy planning</td>
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<td>Chair: Fatima Dargam</td>
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<td>1.</td>
<td>SIRPSS-Sustainable Industrial Site Redevelopment Planning Support System</td>
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| 16:00 - 17:00 | **Invited Talk 4**  
**Dr Stefano Armenia**, SYDIC, Italy.  
*When two worlds collide: the new era of Smart Model-based Governance*  
Chair: José Maria Moreno |
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<tr>
<td>18:30</td>
<td>Bus</td>
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<td>19:00</td>
<td>Official Conference Dinner</td>
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### Thursday 24/5/2018

#### Session 8a (ICDSST, amphitheater)

**Decision Support for Transport Planning and Operation**  
Chair: Georgia Aifantopoulou

1. *Methodology for the development of sustainable MaaS business models*  
   Guido Di Pasquale

2. *Social media data for supporting transportation planning*  
   Ioannis Toumpalidis, Nicolaos Karanikolas, Josep-Maria Salanova and Panagiotis Tzenos

3. *Exploring the commercialization potential of freight transport services*  
   Iraklis Stamos and Monica Giannini

4. *Sustainable Development and Morphological Analysis: A Multi-Level Strategic Planning for the Transport Sector*  
   Maria De Fátima Teles and Jorge Freire De Sousa

5. *Theoretical and Empirical Evidence of a Knowledge Mobilization Framework for Lean Supply Chain Decisions in Agro-food Industry*  
   Huilan Chen, Shaofeng Liu, Festus Oderanti and Biljana Mileva Boshkoska

#### Session 8b (PROMETHEE Days, seminar room)

**PROMETHEE Methods & Applications**  
Chair: Jean-Pierre Brans

1. *PROMETHEE based ranking of project managers’ based on the five personality traits*  
   Georgios Aretoulis

2. *Goal Programming and PROMETHEE Method as an evaluation tool for a Seaplanes’ Network in Greece*  
   Charalampos Nikolaos Roukounis and Georgios Aretoulis

3. *CCDAP: An approach to Classify Community Detection Algorithms with PROMETHEE II*  
   Samia Mohand Arab, Noria Taghezout and Fatima Zahra Benkaddour

4. *Global sensitivity analysis in PROMETHEE*  
   Sándor Bozóki
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<tbody>
<tr>
<td>10:45-11:00</td>
<td>Coffee Break</td>
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| 11:00 - 12:00| **Invited Talk 5**  
Professor Milosz Kadzinski, Poznan University of Technology, Poland.  
*Multiple Criteria Decision Aiding in action: using the diviz software*  
Chair: Jean-Pierre Brans |
| 12:00 - 13:00| **Panel 2: "Ethics and Decision"**  
Chair: Jason Papathanasiou  
Panelists:  
- Prof. Jean-Pierre Brans, Vrije Universiteit Brussel, Belgium  
- Prof. Bertrand Mareschal, Vrije Universiteit Brussel, Belgium  
- Prof. Jean-Philippe Waaub, University of Quebec, Canada  
- Dr. Fatima Dargam, SimTech Simulation Technology & ILTC, Austria  
- Prof. Pascale Zarate, Toulouse University / IRIT, France  
- Dr. George Kotoulas, HCMR, Greece |
| 13:00 - 14:15| Light Lunch                                                          |
| 14:15 - 16:15| **Session 9 (ICDSST, amphitheater)**  
**Decision support systems for sustainable freight transportation in Europe and India**  
Chairs: Adrian Solomon and Alok Choudary  
1. *An Integrated Performance Evaluation Model for Sustainable Freight Transportation*  
   Devendra Kumar Pathak, Ravi Shankar and Alok Choudhary  
2. A Sustainable Order Quantity model under a Cap and Trade system  
   *Daria Battini, Martina Calzavara, Fabio Sgarbossa and Francesco Zangaro*  
3. *Risk Assessment in Freight Transportation Systems for Ensuring Safety and Sustainability*  
   Ravi Shankar, Divya Choudhary and Alok Choudhary  
4. *Towards a Benchmarking Tool for Sustainable Freight Transportation*  
   Erica Ballantyne, Akhilesh Kumar and Nagendra Velaga  
5. *Multi-period reverse logistic network design with vehicle allocation*  
   Akhilesh Kumar, Kondreddy Nageswara Reddy and Manoj Tiwari  
6. *A hybrid decision-making methodology for prioritizing collaborative processes in sustainable freight transport*  
   Fahham Hasan Qaiser, Arijit De, Martin Sykora, Ravi Shankar and
### Alok Choudhary

**PD Group meeting – EWG Executive Board meeting**

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<tr>
<td>16:15 - 16:30</td>
<td>Coffee Break</td>
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<td>16:30 - 17:00</td>
<td><strong>Sponsor remote session (amphitheater)</strong></td>
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<td>Max Henrion (Lumina)</td>
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<td>Chair: Boris Delibasic</td>
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<td>17:00 - 17:15</td>
<td>EWG-DSS Presentation – Project Collab-Net</td>
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#### Poster Session and Networking

1. **Project Collab-Net (Version 5)**
   - Jean Turet, Jadielson Moura, Ana Paula Cabral Seixas Costa, Fatima Dargam, Pascale Zaraté and Isabelle Linden

2. **A decision support system for high quality forecasting based on Artificial Intelligence**
   - Sabine Ritter and Martin Seidler

3. **A Decision Support System for the Selection of Biomass Separation Equipment**
   - Junko Hutahaean, Pablo Brito-Parada and Jan Cilliers

4. **Cognitive visualization tools in an ahp-multiactor context**
   - Alberto Turón and José María Moreno-Jiménez

5. **Developing a Bayesian network model for transportation system decision aid in nature conservation areas – Experiences from the Geirangerfjord World Heritage Site**
   - Dina Margrethe Aspen, Børge Heggen Johansen and Magnus Sparrevik
### Session 10 (ICDSST, seminar room)

#### DSS Cases

**Chair:** Shaofeng Liu

1. *Unveiling hidden patterns in flexible medical treatment processes - A process mining case study*
   
   Kathrin Kirchner and Petar Markovic

2. *Building a web application with R programming language to support decision making. Case study: The use of multiple correspondence analysis (MCA) on data from Greek thermal springs.*
   
   Stratos Moschidis and Theodore Tarnanidis

3. *A smart campus design: data-driven and evidence-based decision support solution design*
   
   Uchitha Jayawickrama, Mohamed Sedky and Oumaima Ettahali

4. *A novel secured agent-based approach for managing an ESN.*
   
   Mohamed Abdou Souidi and Noria Taghezout

### Session 11 (ICDSST, amphitheater)

#### DSS Applications

**Chair:** Stefano Armenia

1. *Towards a computer based ClimeFish DSS for aquaculture stakeholders in Greece*
   
   Orestis Stavrakidis-Zachou, Nikos Papandroulakis, Panagiotis Anastasiadis, Astrid Sturm and Konstadia Lika

2. *Decision Support Systems & Tools for Airport Airside Performance Assessment*
   
   Michael Madas, Maro Vlachopoulou, Vassiliki Manthou, Fotis Kitsios and Kostas Vergidis

3. *A web-based DSS for resource allocation in a Brazilian public University*
   
   Carolina Lino Martins, Pascale Zaraté, Adiel Teixeira de Almeida, Danielle Morais and Kurt Peters

4. *Applications of DSSs in agricultural production planning in Greece*
   
   Jason Papathanasiou, Thomas Bournaris, Basil Manos and Georgios Tzaples

5. *Computer Supported Team Formation*
   
   Georgios Stavrou, Panagiotis Adamidis and Jason Papathanasiou
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<tr>
<td>11:15 - 11:30</td>
<td>EWG-DSS 2017 Best Paper Award Ceremony</td>
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<td>11:30 - 11:45</td>
<td>Jean-Pierre Brans PROMETHEE Award Ceremony</td>
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<td>11:45 - 12:15</td>
<td>EWG-DSS Presentations of the next ICDSSST Conferences (2019 / 2020) and IJDSST presentation</td>
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<tr>
<td>12:15 - 12:45</td>
<td>Conference Closing Session (ICDSSST – PD 2018)</td>
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