

# The EURO Mini-Conference Graz-2013 – Program



<b>Day 1 Morning</b>	<b>Thursday, October 17<sup>th</sup>, 2013</b>
<b>09:00</b>	<p><b>Registration / Distribution of Conference Material</b></p> <p><b>EmC Graz-2013 Registration Desk</b> Karl-Franzens University of Graz, ReSoWi Building Universitätsstr. 15, 8010 Graz</p> <p><b>ReSoWi Building - Lecture Room 15.04, Ground Floor, Wing E</b></p>
<b>9:30</b>	<p><b>Session 1 - EmC Graz-2013 - Conference Opening</b> <b>ReSoWi Building - Lecture Room 15.04, Ground Floor, Wing E</b></p>
<b>Session 1 09:30-10:00</b>	<p><b>Welcome by Univ.-Prof. Dr. Peter Scherrer</b> Vice-Rector of the University of Graz, Austria. <b>On behalf of Univ.-Prof. Dr. Christa Neuper</b> Rector of the University of Graz, Austria</p> <p><b>Welcome by Prof. Dr. Thomas Foscht</b> Dean of the Faculty for Economics &amp; Social Sciences, University of Graz, Austria</p> <p><b>Welcome by the representatives of the EURO Working Groups (EWG-E.CUBE, EWG-DSS, EWG-MCSP, EWG-ORAFM) &amp; Announcements</b> <b>Chairs: Local Organizers Ulrike Leopold-Wildburger &amp; Fátima Dargam</b></p>
<b>10:00–12:00</b>	<b>Sessions 2 &amp; 3 - Special Talks - Lecture Room 15.04, Ground Floor, Wing E</b>
<b>Session 2 10:00-10:45 Room 15.04</b>	<p><b><u>"On the Origins of OR and its Institutions"</u></b></p> <p><b>Invited Talk by Jakob Krarup</b> Professor Emeritus of the Department of Computer Science of the University of Copenhagen, Denmark</p> <p><b>Chair: Ulrike Leopold-Wildburger</b></p>
<b>10:45-11:00</b>	<b>Coffee Break served at the hall of the Lecture Room 15.04</b>
<b>Session 3 11:00-11:45 Room 15.04</b>	<p><b><u>"Dynamic Multi-criteria Decision Making (MCDM): A framework"</u></b></p> <p><b>Invited Talk by Rita Ribeiro</b> Professor at CA3, UNINOVA, Portugal</p> <p><b>Chair: Fátima Dargam</b></p>

<b>Day 1 Morning</b>	<b>Thursday, October 17<sup>th</sup>, 2013</b>
<b>11:45</b>	<b>Session 4 - Invited Talk - Lecture Room 15.04, Ground Floor, Wing E</b>
<b>Session 4 11:45-12:30 Room 15.04</b>	<b><i>"Rapid Designs, Scenarios and Schedules with Simio"</i></b> <b>by Markus Bans &amp; David T. Sturrock</b> <b>from SIMIO LLC - <a href="http://www.simio.com/">http://www.simio.com/</a></b> <b>Chair: Jason Papathanasiou</b>
<b>12:30-14:00</b>	<b>Lunch – Mensa - University Restaurant</b> <b>ReSoWi Building, First Floor</b>

<b>Day 1 Afternoon</b>	<b>Thursday, October 17<sup>th</sup>, 2013</b>		
<b>14:00</b>	<b>Session 5 - Special Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>		
<b>Session 5 14:00-14:45 Room G2</b>	<b><u><i>"The multiple dimensions of negotiations: A unified approach"</i></u></b> <b>Invited Talk by <i>Rudolf Vetschera</i></b> Professor at the University of Vienna, Austria. Department of Business Administration / Division of Organization and Planning <b>Chair: <i>Pascale Zaraté</i></b>		
<b>14:45-15:00</b>	<b>Coffee Break served at the hall of Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>		
<b>Session 6 Parallel Sessions 15:00-17:00</b>	<b>Room 15.22 (G2) 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.34 (Labor) 3<sup>rd</sup>. Floor, Wing E</b>	<b>Room 15.35 3<sup>rd</sup>. Floor, Wing E</b>
	<b>Session DSS-06</b> <b>Chair: <i>Rita Ribeiro</i></b>	<b>Session MCSP-06</b> <b>Chair: <i>Dorien DeTombe</i></b>	<b>Session E-CUBE-06</b> <b>Chair: <i>Jürgen Fleiß</i></b>
<b>15:00-15:20</b>	<i>EmCG-2013-DSS-01</i> <b>"A Decision Support System for Solving Linear Program- ming Problems"</b> <i>Nikolaos Ploskas, Nikolaos Samaras and Jason Papathanasiou</i>	<i>EmCG-2013-MCSP-01</i> <b>"Decision support of complex societal problems"</b> <i>Dorien Detombe</i>	<i>EmCG-2013-ECUBE-01</i> <b>"The Value of a Fallback Option"</b> <i>Sascha Füllbrunn, Stefan Kreiner and Stefan Palan</i>

<b>Day 1 Parallel Sessions</b>	<b>Room 15.22 (G2) 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.34 (Labor) 3<sup>rd</sup>. Floor, Wing E</b>	<b>Room 15.35 3<sup>rd</sup>. Floor, Wing E</b>
<b>15:20-15:40</b>	<p><i>EmCG-2013-DSS-02</i></p> <p><i>"Modeling the macroprudential oversight process: A supply chain perspective"</i></p> <p><i>Peter Sarlin and Henrik Nyman</i></p>	<p><i>EmCG-2013-MCSP-02</i></p> <p><i>"Analyzing environmental hazard on air pollution using input-output analysis"</i></p> <p><i>Mohd Sahar Sauian and Mohd Zaffrie Mat Amin</i></p>	<p><i>EmCG-2013-ECUBE-02</i></p> <p><i>"Collaborative experiments based on system dynamics models: concept and prototype of a web tool for project contracting experiments"</i></p> <p><i>Armin Leopold, Bo Hu and Stefan Pickl</i></p>
<b>15:40-16:00</b>	<p><i>EmCG-2013-DSS-03</i></p> <p><i>"Consumers attitude to good (or bad) depending on the degree of its non-privacy"</i></p> <p><i>Andrejs Jaunzems and Normunds Norkuss</i></p>	<p><i>EmCG-2013-MCSP-03</i></p> <p><i>"The System Dynamics of Social Return in a municipal Labour Market in The Netherlands"</i></p> <p><i>Tom Logtens and Peter Brouwer</i></p>	<p><i>EmCG-2013-ECUBE-03</i></p> <p><i>"Offer vs. Veto in Negotiations"</i></p> <p><i>Michael Filzmoser and Johannes Gettinger</i></p>
<b>16:00-16:20</b>	<p><i>EmCG-2013-DSS-04</i></p> <p><i>"Expert knowledge and decision support system to help a power distributor plan its call center"</i></p> <p><i>Thárcylla Clemente, Jadielson Moura, Adiel Almeida-Filho, Ana Paula Gusmão, Ana Paula Costa and Adiel T. de Almeida</i></p>	<p><i>EmCG-2013-MCSP-04</i></p> <p><i>"Diffusion of Fuel Cell Vehicles considering Consumer Uncertainty under Technological Progress: An Agent-Based Approach"</i></p> <p><i>Martin Zsifkovits and Markus Günther</i></p>	<p><i>EmCG-2013-ECUBE-04</i></p> <p><i>"Pay Inequity and Job Performance: A View From Inside the Firm"</i></p> <p><i>Yingchao Zhang and Oliver Fabel</i></p>
<b>16:20-16:40</b>	<p><i>EmCG-2013-DSS-05</i></p> <p><i>"Decision Support System for Sanitary Teams Activities"</i></p> <p><i>Radosław Pytlak, Tomasz Zawadzki, Damian Suski and Wojciech Stecz</i></p>	<p><i>EmCG-2013-MCSP-05</i></p> <p><i>"Walking the Land: Building an understanding of an Ecosystem Approach in the Highlands &amp; Islands through mobile methods &amp; qualitative GIS"</i></p> <p><i>Euan Bowditch</i></p>	<p><i>EmCG-2013-ECUBE-05</i></p> <p><i>"Simulation of Bribes and Consequences of Leniency Policy. Results from an experimental study"</i></p> <p><i>Alexandra Christöfl, Ulrike Leopold and Arleta Rasmußen</i></p>

<b>Day 1 Parallel Sessions</b>	<b>Room 15.22 (G2) 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.34 (Labor) 3<sup>rd</sup>. Floor, Wing E</b>	<b>Room 15.35 3<sup>rd</sup>. Floor, Wing E</b>
<b>16:40-17:00</b>	<p><i>EmCG-2013-DSS-06</i></p> <p><i>"An integrated approach to support decision makers in shaping problems and reducing uncertainties in complex projects"</i></p> <p><i>Maria Franca Norese, Diana Rolando and Elena Fregonara</i></p>	<p><i>EmCG-2013-MCSP-06</i></p> <p><i>"Demand dynamics of construction materials in Europe - Lessons learned: Combination of resource and knowledge management as a contribution to successful decision making and investment plans"</i></p> <p><i>Mimoza Allaraj and Susanne Lind-Braucher</i></p>	<p><i>EmCG-2013-ECUBE-06</i></p> <p><i>"Empirical study on bullying"</i></p> <p><i>Nina Bialowas</i></p>
<b>17:00</b>	<b>Session 7 - Special Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>		
<b>Session 7 17:00-17:50 Room G2</b>	<p><b><u>"Complexity is more than complicated. Investigating, simulating and handling complexity: a challenge for system dynamics"</u></b></p> <p><b>Invited Talk by Cor van Dijkum</b> Professor at Utrecht University, Department of Methodology and Statistics / Faculty of Social Sciences &amp; Sokrates Consultancy and Engineering, The Netherlands</p> <p><b>Chair: Dorien DeTombe</b></p>		
<b>Day 1</b>	<b>Thursday, October 17<sup>th</sup>, 2013 – Social Event</b>		
<b>18:30</b>	<p><b><i>EmC Graz-2013 Reception at the Orangerie - Grazer Burggarten Hofgasse, 8010 Graz</i></b></p>  <p><i>Hosted and sponsored by Land Steiermark, the Government of Styria, Austria.</i></p>		


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<b>Day 2 Morning</b>	<b>Friday, October 18<sup>th</sup>, 2013</b>	
<b>9:30</b>	<b>Session 8 - Invited Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>	
<b>Session 8 9:30-9:50 Room G2</b>	<p><b><i>“Prevention of Occupational Injuries at the General Accident Insurance Institution (AUVA): Design and Application of Decision Support Systems for Predicting Subsequent Costs from 2001 to 2011” *</i></b></p> <p>* Joint research authored by Marion S. Rauner, Michaela-Maria Schaffhauser-Linzatti, Johannes Bauerstätter, Bernhard Schwarz, Paul Harper, Klaus Wittig and Beate Mayer</p> <p><b>Invited Talk by Marion Sabine Rauner</b> Professor at the University of Vienna, Austria. School of Business, Economics, and Statistics, Department of Business Administration</p> <p><b>Chair: Ulrike Leopold-Wildburger</b></p>	
<b>Session 9 Parallel Sessions</b>	<b>Room 15.22 (G2) 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.35 3<sup>rd</sup>. Floor, Wing E</b>
<b>9:50-10:30</b>	<b>Session DSS-09 Chair: Fátima Dargam</b>	<b>Session E-CUBE-09 Chair: Alexandra Rausch</b>
<b>9:50-10:10</b>	<p><i>EmCG-2013-DSS-07</i></p> <p><i>"A DSS User is a Happy Negotiator: The Impact of Decision Support on the Dynamics of Emotional Expressions in Text-Based Online Negotiations"</i></p> <p><i>Patrick Hippmann</i></p>	<p><i>EmCG-2013-ECUBE-07</i></p> <p><i>"Residual income measurement &amp; the emergence of cooperation: Results of an agent-based simulation of budget coordination"</i></p> <p><i>Stephan Leitner and Doris A. Behrens</i></p>
<b>10:10-10:30</b>	<p><i>EmCG-2013-DSS-08</i></p> <p><i>"On the use of a Multicriteria Decision Support Tool to Evaluate Green Economy in the State of Rio de Janeiro"</i></p> <p><i>João Clímaco and Rogério Valle</i></p>	<p><i>EmCG-2013-ECUBE-08</i></p> <p><i>"Vehicle Routing Problems with Time Windows and Multiple Service Workers - A Systematic Comparison between two Metaheuristics"</i></p> <p><i>Gerald Senarclens de Grancy and Marc Reimann</i></p>

Day 2	Friday, October 18 <sup>th</sup> , 2013		
10:30-10:40	<b>Coffee Break - Halls of Room 15.22, 2<sup>nd</sup> Floor (G) &amp; Room 15.35, 3<sup>rd</sup> Floor (E)</b>		
Session 10 Parallel Sessions 10:40-11:40	<b>Room G2</b> 2 <sup>nd</sup> . Floor, Wing G	<b>Room 15.26</b> 2 <sup>nd</sup> . Floor, Wing G	<b>Room 15.35</b> 3 <sup>rd</sup> . Floor, Wing E
	<b>Session DSS-10</b> <b>Chair: Pascale Zaraté</b>	<b>Session ORAFM-10</b> <b>Chair: Manfred Gronalt</b>	<b>Session E-CUBE-10</b> <b>Chair: Stefan Palan</b>
10:40-11:00	<p>EmCG-2013-DSS-09</p> <p><i>"Relevance of formal education for ensuring food safety – current situation and future perspectives"</i></p> <p><i>Andrej Ovca, Mojca Jevšnik and Peter Raspor</i></p>	<p>EmCG-2013-ORAFM-01</p> <p><i>"On decomposition--coordination methods for the generation of Pareto points for complex systems"</i></p> <p><i>Alar Leibak and Otu Vaarmann</i></p>	<p>EmCG-2013-ECUBE-09</p> <p><i>"It's about how the task is set – The inclusion and exclusion effect in pre-processing management information"</i></p> <p><i>Alexandra Rausch and Alexander Brauneis</i></p>
11:00-11:20	<p>EmCG-2013-DSS-10</p> <p><i>" A Conceptual Model of Senior Executives' Information Behaviour "</i></p> <p><i>Olga Dolgorukova</i></p>	<p>EmCG-2013-ORAFM-02</p> <p><i>"Selecting an efficient wood chips supply chain strategy in organized small-scale forestry with a simulation-based AHP-TOPSIS approach"</i></p> <p><i>Christian Trinks</i></p>	<p>EmCG-2013-ECUBE-10</p> <p><i>"Merit norms in the ultimatum game. An experimental study of the effect of merit on individual behavior and aggregate outcomes"</i></p> <p><i>Jürgen Fleiß</i></p>
11:20-11:40	<p>EmCG-2013-DSS-11</p> <p><i>"Knowledge Management and Business Intelligence relationship in the cloud"</i></p> <p><i>Ana Pajic and Dragana Becejski-Vujaklija</i></p>	<p>EmCG-2013-ORAFM-03</p> <p><i>"Landowner decisions and public access rights to privately owned land"</i></p> <p><i>Jussi Uusivuori</i></p>	<p>EmCG-2013-ECUBE-11</p> <p><i>"The effects of honesty and social preferences on reporting behavior"</i></p> <p><i>Arleta Rasmussen and Ulrike Leopold-Wildburger</i></p>
11:40	<b>Session 11 - Special Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>		
Session 11 11:40-12:30 Room G2	<p><b><u>"Replicating forest owner behavior in Decision Support Systems: 2 examples of programming formulations"</u></b></p> <p><b>Invited Talk by <i>Ljusk Ola Eriksson</i></b> Professor at the Department of Forest Resource Management &amp; Forest Planning of the Swedish University of Agricultural Sciences, Sweden</p> <p><b>Chair: Manfred Gronalt</b></p>		

<b>Day 2</b>	<b>Friday, October 18<sup>th</sup>, 2013</b>		
<b>12:30-14:00</b>	<b>Lunch – Mensa - University Restaurant ReSoWi Building, First Floor</b>		
<b>14:10</b>	<b>Session 12 - Invited Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>		
<b>Session 12 14:10-14:50 Room G2</b>	<b>Web-Presentation on “COST: a pan-European science and technology network” by Prof Tatiana Kovacikova, Head of Science Operations from the COST Office. COST: European Cooperation in Science and Technology Chair: Jason Papathanasiou</b>		
<b>Session 13 Parallel Sessions</b>	<b>Room G2 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.26 2<sup>nd</sup>. Floor, Wing G</b>	<b>Room 15.35 3<sup>rd</sup>. Floor, Wing E</b>
<b>14:50-15:50</b>	<b>Session DSS-13 Chair: João Clímaco</b>	<b>Session ORAFM-13 Chair: Ljusk Ola Eriksson</b>	<b>Session E-CUBE-13 Chair: Doris Behrens</b>
<b>14.50-15.10</b>	<i>EmCG-2013-DSS-12</i> <i>"The Use of Modulo Risk Manager™ Integrated With Social Networks as a Collaborative Decision Support System for the World Youth Day – Rio2013"</i>  <i>Paulo Dargam and Bettina Federici</i>	<i>EmCG-2013-ORAFM-04</i> <i>"The box assignment problem in log yards"</i>  <i>Maria Anna Huka, Jörn B. Rathke and Manfred Gronalt</i>	<i>EmCG-2013-ECUBE-12</i> <i>"Reciprocity as an Individual Difference"</i>  <i>Kurt A. Ackermann, Jürgen Fleiß and Ryan O. Murphy</i>
<b>15.10-15.30</b>	<i>EmCG-2013-DSS-13</i> <i>"Negotiation Support System: An Approach to Making Use of Negotiators' Personal Traits in the Negotiation Process"</i>  <i>Jadielson Moura and Ana Paula Costa</i>	<i>EmCG-2013-ORAFM-05</i> <i>"DEA models for the analysis of efficiency of agricultural farms "</i>  <i>Iryna Deineko and Victor Podinovski</i>	<i>EmCG-2013-ECUBE-13</i> <i>"Applications of the Inverse Infection Problem on banking data"</i>  <i>András Bóta, András Csernenszky, Gyula Kovács, Miklós Krész and András Pluhár</i>
<b>15.30-15.50</b>	<i>EmCG-2013-DSS-14</i> <i>"A framework for the measurement and reduction of user-perceivable complexity of group decision-making methods"</i>  <i>Andrej Bregar</i>	<i>EmCG-2013-ORAFM-06</i> <i>"Quantifying Urban Sprawl using Land Use Data "</i>  <i>Miriam Steurer and Caroline Bayr</i>	<i>EmCG-2013-ECUBE-14</i> <i>"Multi-Criteria Analysis of Local Economic Development Issues: Evidence from Serbia"</i>  <i>Jelena Stankovic, Nikola Makojevic and Milan Randjelovic</i>

<p><b>Day 2</b></p>	<p><b>Friday, October 18<sup>th</sup>, 2013</b></p>
<p><b>15:50-16:00</b></p>	<p><b>Coffee Break</b> served at the hall of Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</p>
<p><b>16:00</b></p>	<p><b>Session 14 - Invited Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b></p>
<p><b>Session 14</b> <b>16:00-16:30</b> <b>Room G2</b></p>	<p><b>Web-Seminar on “Exploring Lower Carbon Futures for the Automobile in the USA with ATEAM”</b> <b>by Dr. Max Henrion, Chief Executive Officer, Lumina Decision Systems, Inc.</b> <b>Chair: Jason Papathanasiou</b></p>
<p><b>Day 2</b></p>	<p><b>Friday, October 18<sup>th</sup>, 2013 – Social Events</b></p>
<p><b>17.00</b></p>	<p><b>EmC Graz.2013 Reception at Graz City-Hall</b> <b>Rathaus, Hauptplatz, A-8010 Graz</b></p>  <p>Sponsored and hosted by the Mayor of Graz, Mag. Siegfried Nagl.</p>
<p><b>19:00</b></p>	<p><b>EmC Graz.2013 Special Event:</b> <b>Candle Walking Tour through Eggenberg Castle</b></p>  <p>Participants joining this event will take Tram Nr.1 together with the organizers from the Hauptplatz to Eggenberg and then back.</p>



# The EURO Mini-Conference Graz-2013 – Program



<b>Day 3 Morning</b>	<b>Saturday, October 19<sup>th</sup>, 2013</b>
<b>10:00</b>	<b>Session 15 - Special Talk - Conference Room 15.22 (G2), 2<sup>nd</sup>. Floor, Wing G</b>
<b>Session 15 10:00-11:00 Room G2</b>	<p><b><u><a href="#">“Long range predictions are still more difficult than is usually assumed”</a></u></b></p> <p><b>Invited Talk by <i>Herman Maurer</i></b> (Professor of Informatics, Graz University of Technology, Austria)</p> <p><b>Chair: <i>Ulrike Leopold-Wildburger</i></b></p>
<b>11:00-11:15</b>	<b>Coffee Break</b> served at the hall of Room 15.22 (G2), 2 <sup>nd</sup> . Floor, Wing G
<b>Session 16 11:15-12:00 Room G2</b>	<p><b>Web-Seminar about <i>HORIZON 2020</i>:</b> <b>The EU Framework Programme for Research and Innovation</b></p> <p><b>Chairs: <i>Jason Papathanasiou &amp; Fatima Dargam</i></b></p>
<b>Session 17 12:00-12:15</b>	<p><b>Prizes Award Session</b> <b>Best papers presented in this EURO Mini-Conference will be awarded with free licenses of the softwares:</b></p> <ul style="list-style-type: none"> <li>• <b>“Simio Enterprise Edition”, sponsored by Simio (<a href="http://www.simio.com/">http://www.simio.com/</a>);</b></li> <li>• <b>“Decision Explorer”, sponsored by Banxia (<a href="http://www.banxia.com/">http://www.banxia.com/</a>);</b></li> <li>• <b>“Arena”, sponsored by Rockwell Automation (<a href="http://www.arenasimulation.com/">http://www.arenasimulation.com/</a>);</b></li> <li>• <b>“Analytica”, sponsored by Lumina Decision Systems, Inc. (<a href="http://www.lumina.com">www.lumina.com</a>).</b></li> </ul> <p><b>Chairs: Representatives of the EURO Working Groups (EWG-E.CUBE, EWG-DSS, EWG-MCSP, EWG-ORAFM)</b></p>
<b>Session 18 12:15-12:30</b>	<p><b>Official Closing Session by the representatives of the EURO Working Groups (EWG-E.CUBE, EWG-DSS, EWG-MCSP, EWG-ORAFM) &amp; Announcements about the Post-Publication Special Issues</b></p> <p><b>Thanks &amp; Good-bye by the Organizers</b></p>