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|-------|--|---|--------------|------------|
|       |  | <b>Wednesday 23 May</b>   |              |            |
| 9:00  |  | <b>Exhibition opens</b>   |              |            |
| 12:00 |  | <b>Opening ceremony</b><br>Merja Kyllönen, Minister of Transport<br>Juhani Tervala, Director General, Finnish Transport Authority<br>Petteri Taalas, Director General, Finnish Meteorological Institute<br>Miguel Tremblay, President, SIRWEC |              |            |
|       |  | <b>Session 1 - RWIS sensors and equipment</b><br><i>Chairs: Pertti Nurmi &amp; Yrjö Pilli-Sihvola</i>   |              |            |
| 12:30 |  | Optima (Road Weather Information dedicated to road sections)  | Ludovic      | Bouilloud  |
|       |  | Modi-Roma, a complete overview of an entire road network.   | Pär          | Ekström    |
| 13.00 |  | BiFi - Bearing information through vehicle intelligence   | Torbjörn     | Gustavsson |
|       |  | EN15518 - a new European Standard for Road Weather Information Systems (RWIS)   | Pierre-Alain | Brodard    |
| 13.30 |  | A study to determine the effects of employing a well maintained RWIS network on major highway accident rates in the US state of Idaho   | Paul         | Bridge     |
|       |  | Monitoring slipperiness on walkways   | Marjo        | Hippi      |
| 14:00 |  | <b>Coffee + Exhibition</b>  |              |            |

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|---------------|--|---|--------|------------|
|               |  | <b>Session 1 - RWIS sensors and equipment (continued)</b><br><i>Chairs: Pertti Nurmi &amp; Yrjö Pilli-Sihvola</i> |        |            |
| 14:30         |  | Further development of RWIS and it's new potential marketplaces in Latvia   | Boriss | Jelisejevs |
|               |  | Friction meter comparison study 2011  | Mikko  | Malmivuo   |
| 15:00         |  | Towards Realtime Skid Resistance Forecast   | Peter  | Nutz       |
|               |  | Development of mobile optical remote road condition monitoring in Finland   | Pirkko | Saarikivi  |
| 15:30         |  | Remote Monitoring of Ice Formation Over a Runway Surface  | Amedeo | Troiano    |
|               |  | Tailored and On-time Weather Information for Road Traffic Management  | Thomas | Gerz       |
| 16:00         |  | <b>Poster introductions</b>   |        |            |
| 16:30 – 17.30 |  | <b>Poster session + Exhibition</b>  |        |            |
| 19:00         |  | <b>City Reception</b>   |        |            |

# SIRWEC 2012 Program

|       |  |  |          |               |
|-------|--|--|----------|---------------|
|       |  | <b>Thursday 24 May</b>   |          |               |
| 9:00  |  | <b>Session 2 - Winter road forecasting techniques</b><br><i>Chair: Miguel Tremblay</i>   |          |               |
| 9:00  |  | Probabilistic Road Weather Forecasting   | Lee      | Chapman       |
|       |  | A road map towards implementing a probabilistic road weather information system  | Renate   | Hagedorn      |
| 9:30  |  | Multivariate Data Analysis. A new Insight for Thermal Mapping  | Mario    | Marchetti     |
|       |  | An overview of road surface conditions forecasting in Météo-France   | Ludovic  | Bouilloud     |
| 10.00 |  | Integrating METRo into a winter maintenance weather forecast system covering Finland, Sweden and Russia                                  | Markus   | Karanko       |
|       |  | METRo Model Testing on Slovenian Road Weather Stations and Suggestions for Further Improvements  | Rok      | Kršmanc       |
| 10.30 |  | <b>Coffee + Exhibition</b>   |          |               |
|       |  | <b>Session 3 - Winter maintenance methods</b><br><i>Chair: Märt Puust</i>  |          |               |
| 11:00 |  | Influence of the Pavement Type on the Road Surface Temperature   | Claus    | Petersen      |
|       |  | Experiences of Mobile Road Condition Monitoring  | Taisto   | Haavasoja     |
|       |  | Use a route based forecast for dynamic gritting  | Ingeborg | Smeding       |
|       |  | Relation of Road Surface Friction and Salt Concentration   | Taisto   | Haavasoja     |
|       |  | Verification of Friction Index Prediction  | Jianmin  | Shao          |
|       |  | Weather service chain analysis (WSCA) - an approach for appraisal of the social-economic benefits of improvements in weather services    | Adriaan  | Perrels       |
| 12:30 |  | <b>Lunch + Exhibition</b><br><b>(MC Meeting)</b>   |          |               |
|       |  | <b>Session 4 - Decision support systems</b><br><i>Chair: Lee Chapman</i>   |          |               |
| 14:00 |  | Decision support system for variable speed regulation  | Patrik   | Jonsson       |
|       |  | Road weather forecasts and MDSS in Slovakia  | Martin   | Benko         |
| 14.30 |  | Road Weather Information System (RWIS) & Maintenance Decision Support System (MDSS) Economic Value Tool (EVT)                            | Paul     | Bridge        |
|       |  | Maintenance Decision Support System (MDSS) ASFINAG / Austria - Actual Experience of a Comprehensive Winter Maintenance Management System | Thorsten | Cypra         |
| 15:00 |  | Area Forecast Model for Winter Road Maintenance over a Road Network  | Jianmin  | Shao          |
| 15:30 |  | <b>Coffee + poster viewing + Exhibition</b>  |          |               |
|       |  | <b>Session 5 - Best practice and user experience</b><br><i>Chair: Wilfried Nixon</i>   |          |               |
| 16:00 |  | Customer satisfaction analysis for evaluating winter driving environment   | Naoto    | Takahashi     |
|       |  | New findings in winter maintenance and their implementation in Austria   | Peter    | Nutz          |
| 16:30 |  | Better winter road weather information saves money, time, lives and environment  | Eetu     | Pilli-Sihvola |
|       |  | Road Weather Management - Recent Research Results from the United States   | Paul     | Pisano        |
| 17:00 |  | The Evolution of Optimized and Sustainable Pro-Active Winter Operations  | Leland   | Smithson      |
|       |  | Evaluating the degree of visibility deterioration perceived by drivers during snowstorms   | Masaru   | Matsuzawa     |
| 19:00 |  | <b>Gala dinner</b>   |          |               |

## SIRWEC 2012 Program

|       |  |   |          |              |
|-------|--|---|----------|--------------|
|       |  | <b>Friday 25 May</b>  |          |              |
| 9:00  |  | <b>Session 6 - Communication with road users</b><br><i>Chair: Stine Mikalsen</i>  |          |              |
| 9:00  |  | Automated Road Condition Forecasts on a Public Map Service  | Tero     | Dubrovin     |
|       |  | Optimized traffic control with benchmarked road weather data  | Slavica  | Grosanic     |
| 9:30  |  | Road Weather Data Presentation in BUFR Format   | Miroslav | Skuthan      |
|       |  | Enhanced Road Weather Warnings and Improved Communication Strategies within Central Europe as part of the INCA-CE project | Benedikt | Bica         |
| 10:00 |  | Forecasting of traffic jams on high-ways caused by adverse weather conditions   | Igor     | Grabec       |
|       |  | Modifying Winter Performance Criteria Using a Storm Severity Index  | Wilfrid  | Nixon        |
| 10:30 |  | <b>Coffee + Exhibition</b>  |          |              |
|       |  | <b>Session 7 - Future scenarios</b><br><i>Chair: Auli Keskinen</i>  |          |              |
| 11:00 |  | Connected vehicle safety network and road weather forecasting - The WiSafeCar project                                     | Timo     | Sukuvaara    |
|       |  | The Use of Connected Vehicle Observations in Weather Applications for Various Highly Impacted Users of the Roads          | Michael  | Chapman      |
|       |  | Road friction monitoring  | Birgitta | Martinkauppi |
|       |  | Observed and future changes of extreme winter events in Europe with implications for road transportation                  | Andrea   | Vajda        |
|       |  | The Role of Weather Information in Sustainable Winter Services  | Wilfrid  | Nixon        |
|       |  | Finnish ITS Future Scenarios  | Kimmo    | Ylisiurunen  |
| 12:30 |  | Summary of the conference and closing   |          |              |
|       |  |   |          |              |
| 14:00 |  | <b>Excursion (optional)</b>   |          |              |
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