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In the chapters I to V you can find all accepted papers for each topic, not only the papers which are presented orally. At the beginning of the chapters you find a list of all papers. The numbers of the papers are the same as in the preliminary programme.
12th International Road Weather Conference 2004 Bingen Germany

PRELIMINARY PROGRAMME

Wednesday, June 16th 2004

10:00 h Registration (up to 13:00 h), Opening of the Exhibition

13:00 h Opening of the 12th International Road Weather Conference

(0-1) Keskinen (FIN): Road Weather 30 Years – Hindsight, Insight, Foresight

Session I: Climatology, Weather Conditions

(I-1) Liechti (CH): Industrial Snow

(I-2) Miyoshi et al (JP): Meteorological Factors associated with Avalanches in the Lake Shikotsu Area and their application to Road Management

(I-3) Sulan (CZ): Experiences with Hoar Frost and its Monitoring in Western Bohemia


15:00 h Coffee Break

15:30 h Session II: Forecast Methods and Accuracy

(II-1) Grimbacher/Schmid (CH): Nowcasting nocturnal cloudiness with an ultra-dense Road Weather Measurement Network

(II-2) Gjertsen et al (N): Monitoring Precipitation Intensity and type-combined Use of Radar and Temperature Measurement

(II-3) Skuthan (CZ): The Significance of the Severe Events Warning Service in Relation to the classic Methods of Road Meteorology

(II-4) Pasero et al (I): NEMEFO – Neural Meteorological Forecast

(II-5) Hopwood (GB): Improvements in Road Forecasting Techniques and their Applications

(II-6) Rohn/Raatz (D): Providing an optimized Dataset for Road Weather Forecasts

(II-7) Sass/Petersen (DK): A coupled automatic Road Weather Forecasting System

17:15 h End of Session

17:30 h SIRWEC Executive Committee Meeting (only for Members)

19:00 h Apéro, Welcome Buffet

Thursday, June 17th 2004

8:30 h Continuation Session II: Forecast Methods and Accuracy

(II-8) Chapman/Thornes (GB): Road Ice Prediction using Geomatics

(II-9) Thornes/Cavan/Chapman (GB): The Use of GIS and Icemiser to predict Winter Road Surface Temperatures in Poland

(II-10) Badelt/Moritz (D): Use of Data on Road Condition and Weather for Winter Maintenance

9:10 h Session III: Sensors and Equipment

(III-1) Deckert/Hauf (D): An experimental Study of Drying-Up Paved Surfaces

(III-2) Lahtinen/Kantonen (FIN): Finish Road Weather Camera System

(III-3) Paulsen/Schmokel (N): Laser Road Surface Sensor LRSS

(III-4) Badelt/Seliger (D): Testing Sensors for Road Weather Systems

10:10 h Coffee Break
10:40 h **Session IV: Presentation and Interpretation of Road Weather Information Data**

(IV-1) Kagaya/Kajiya/Yamagiwa (JP): Smart Sapporo Snow Information Experiment
(IV-2) Sigurdsson (DK): Flow and Presentation of Road Weather Data and Winter Maintenance Activities on the Internet
(IV-3) Schmid/Mathis (CH): Validation of Methods to detect Winter Precipitation and retrieve Precipitation Type
(IV-4) Eriksson/Johansson (S): Winter Weather and Municipal Winter Road Maintenance
(IV-5) Iivanainen/Pettersson (FIN): Quality for Road Weather Information System – Applying ISO 9001
(IV-6) Toivonen/Kantonen (FIN): Supporting IT System for Road Weather Quality Measurement

12:15 h Lunch

13:45 h **Parallel Workshops** (every participant can choose one workshop)

- Workshop 1: What kind of forecast products are needed by the road winter maintenance organizations?
- Workshop 2: What kind of developments are needed to improve road weather forecasting?
- Workshop 3: What kind of road weather data do maintenance people and meteorologists need?
- Workshop 4: How can road weather forecasts be used in practical winter maintenance decisions?

Including Coffee Break at about 15 h

17:00 h End of Workshops

17:30 h Departure of Rhine River Tour to Loreley with Conference Dinner

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**Friday, June 18th 2004**

8:30 h **Session V: Winter Maintenance: Management Systems, Methods and Policy**

(V-1) Cypra (D): Optimization of Winter Maintenance on heavily travelled Freeways
(V-2) Yamada/Sugimura/Maruyama (JP): Research on the Level of Winter Road Management
(V-3) Hanke (D): Construction of a Winter Maintenance Management System for optimized Controlling of Winter Maintenance Operations
(V-4) Devaud (CH): Surface Condition Management
(V-5) Jonasson/Palsson (ICE): Icelandic Winter Maintenance Management System
(V-6) Nixon/Stowe (USA): Operational Use of Weather Forecasts in Winter Maintenance – A Matrix based Approach
(V-7) Pisano/Stern/Mahoney (USA): The U.S. Federal Highway Administration Winter Maintenance Decision Support System MDSS Project

10:00 h Coffee Break

10:30 h **Reports from the Workshops**
Discussion of the Results of the Workshops

12:00 h **Closing of the Conference and Exhibition**
Venue to the 13th SIRWEC Conference

14:00 h **Excursion**
Rüdesheim on Rhine: Sightseeing Tour and Wine Tasting

(x-x) = Number of presentation/paper