

The workshop part of the eMaintenance 2010 addresses following themes:

- eMaintenance Prospectives & Challenges
- eMaintenance related methodologies and technologies in Transport (railway, aviation, road, sea, vehicles etc.)
- eMaintenance related methodologies and technologies in Process Industry
- eMaintenance related methodologies and technologies in Manufacturing Industry

The congress part of the eMaintenance 2010 addresses following themes:

- Information and communication technology related to the maintenance process
- Information logistics for maintenance
- Maintenance data warehousing
- eMaintenance software architecture
- Management of maintenance related content
- Maintenance Software as a Service (SaaS)
- Embedded technologies for eMaintenance
- Methodologies and technologies for maintenance data collection and analysis
- Simulation and optimisation of life support costs
- Technologies and methodologies for estimation of Remaining Useful Life (RUL)
- eMaintenance and Enterprise Resource Planning (ERP)
- eMaintenance and Business Intelligence (BI)
- Technologies and methodologies for diagnostics and prognostics

Chair: Prof. Uday Kumar

Organised by:

Division of Operation and Maintenance Engineering,
Process IT Innovations,
Kemi-Tornio University of Applied Sciences



Programme Committee:

Dr. Ramin Karim, ramin.karim@itu.se
Dr. Aditya Parida, aditya.parida@itu.se

Main Sponsors:



www.emaintenance2010.org



Luleå University of Technology

Postal address: SE-97187 Luleå, Sweden.
Visiting address: University Campus, Porsön, Luleå
Phone: +46 (0)920-49 10 00. Fax: +46 (0)920-49 13 99
www.ltu.se



The northernmost University of Technology in Scandinavia
World-class research and education

The 1st international workshop
and congress on eMaintenance

Invitation

June 22-24
Luleå, Sweden

eMaintenance

Trends in technologies & methodologies
challenges, possibilities, and applications





Programme at a Glance

22nd June 2010 - Workshop

Four parallel workshops in four different themes

23rd June 2010 - Congress Day I

Lectures & Presentation of the scientific papers

24th June 2010 - Congress Day II

Lectures & Presentation of the scientific papers Organisers

Important Dates

31 January 2010	Abstract submission
1 February 2010	Notification of acceptance
15 March 2010	Submission of full papers
31 April 2010	Notification of full paper acceptance
15 May 2010	Last date for submission of revised papers
1 March – 20 May	Early birds registration
21 May – 21 June 2010	Late registration

Best papers will also be invited for submission to the Int. Journal of System Assurance Engineering and Management (Springer), Special Issue on eMaintenance.

22nd June 2010 - Workshop

TIME	ROOM	ACT
08.30-09.30	TBD	Registration

PLENARY SESSION

10.00-10.30	TBD	Opening speech Prof. Uday Kumar
10.30-12.00	TBD	Keynotes

WORKSHOP SESSIONS – PART I

11.30-13.30	TBD	Workshop I-IV
12.30-13.30	TBD	Lunch Exhibition

WORKSHOP SESSIONS – PART II

13.30-15.30	TBD	Workshop I-IV
15.30-16.00		Coffee break Exhibition

PLENARY SESSION

16.00-17.00	TBD	Presentation, conclusion and discussions on the workshops
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SOCIAL ACTIVITIES

18.30 --		Boat tour to Luleå's archipelagos
18.30 --		Midnight sun Golf in Luleå

23rd June 2010 - Congress Day 1

TIME	ROOM	ACT
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PLENARY SESSION

09.00-09.30	TBD	Opening
09.30-11.00	TBD	Keynotes

TECHNICAL SESSION

11.00-12.20		Parallel Session I Parallel Session II
12.20-13.20	TBD	Lunch Exhibition

TECHNICAL SESSION

13.20-15.00		Parallel Session III Parallel Session IV
15.00-15.30		Coffee break Exhibition

TECHNICAL SESSION

15.30-16.50		Parallel Session V Parallel Session VI
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SOCIAL ACTIVITIES AND CONGRESS BANQUETTE

17.30-19.00		Sightseeing tour in Luleå
19.30 --		Congress banquet Best paper award Etc.

24th June 2010 - Congress Day 2

TIME	ROOM	ACT
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PLENARY SESSION

09.00-09.30	TBD	Keynote
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TECHNICAL SESSION

09.40-11.40		Parallel Session I Parallel Session II
11.40-12.40	TBD	Lunch

EXHIBITION & TECHNICAL SESSION

12.40-15.00		Parallel Session III Parallel Session IV
15.00-15.30		Coffee break Exhibition

www.emaintenance2010.org



Welcome to Luleå

Welcome to Sweden, Scandinavia's northernmost university of technology and the first International Congress on eMaintenance. In addition to an interesting programme of conference papers and events, delegates will be able to enjoy some of the fascinating attractions of Swedish Lapland, including the Midnight Sun, the Luleå archipelago and the Arctic Circle.

eMaintenance

eMaintenance is being exploited in many industrial domains, e.g. transport, energy, manufacturing and process. One of the main objectives with eMaintenance is to align the maintenance process with the business and operational processes to achieve organisational objectives. eMaintenance is realised in proper information logistics by enhanced utilisation of Information & Communication Technology (ICT). eMaintenance also supports different interconnected levels in an organisation by provision of an effective and efficient infrastructure for decision-making. The benefits of eMaintenance are reflected in an organisations overall performance and effectiveness.

Uday Kumar, Ramin Karim, Aditya Parida.