



World Maintenance Forum 2013

4-6 September 2013
Palazzo dei Congressi, Lugano
Switzerland

**World
Maintenance
Forum
2013**

Lugano, 4-6 September 2013



World Maintenance Forum 2013

The international event will focus on Reliability Engineering and Industrial Maintenance, for Pharma, Biotech and Food Industry, Chemical, Petrochemical, Metal Working, Transportation, Aviation Infrastructure, Logistics, Building, Hospital Engineering and Maintenance.

World Maintenance Forum 2013

Organized by
University of Applied Sciences
and Arts of Southern Switzerland
and World Maintenance Forum

More information

worldmaintenanceforum-conference.com
wmf@supsi.ch

Conference Target

- International and Governmental Organizations, Banks, Insurances, Legal System
- Asset Owners, Operators and Users
- Universities and Professional Schools
- Government Agencies, Organizations for Standardization
- Maintenance Contractors
- Managing Directors, Contract managers
- Heads of O&M Divisions
- Managers of Maintenance Materials & Warehouses

Speakers and Participants

From 26 countries: Europe, China, Middle East, North and South America, with 400 Participants Expected, 70 Speakers and 1'500 International Stakeholders, directly or indirectly

Programme

4th September

1st Day

10.00 - 10.30

Grand Opening

Guido Walt, Switzerland

Zohair Al Sarraj, Kingdom of Saudi Arabia

Li Baowen, China

Emanuele Carpanzano, Switzerland

10.30 - 12.15

1.1

Plenary session

Chairman: **Claudio R. Boer**

Theodor Bühler, Switzerland

The implications of the EU General Product Safety Directive (2001/12/EC) on Maintenance

Franco Santini, Italy

The New Frontiers Of Maintenance

Christer Idhammar, USA

Development, Implementation And Execution Of A Reliability And Maintenance Management Strategy

Tsutomu Nakamura¹ and **Satoshi Suzuoki**², Japan

Total Productive Maintenance

¹TPM, ²Japan Institute of Plant Maintenance

Brad Peterson (41), United States of America

The Performance Culture

12.15 - 13.30

Lunch

13.30 - 15.15

1.2.
Afternoon parallel Session

1.2.1

Developing & Auditing Added Value

Chairman: Roberto Cigolini, Politecnico di Milano, Italy

Xu Baoqiang and **Li Baowen**, China

Audit Pattern of Chinese Enterprises Maintenance Management
Industrial & Plant Engineering Institute of Guangzhou University;
Guangzhou Shareford Maintenance Consulting Co. Ltd.

Tom Svantesson, Denmark

Lessons Learned from Reliability and Maintenance Benchmarking,
What does world class performance look like?
HSB Solomon Associates LLC

Nils Blechschmidt, Germany

Value Oriented Maintenance – The strategic dimension of the spanner
ConMoto Consulting Group GmbH, Germany

Christoph Heitz¹, Sabina Kleger¹, Jörg Sigrist², Switzerland

From Maintenance Management to Asset Management:
Shifting the view from functional behavior of assets to value creation with assets

¹Institute of Data Analysis and Process Design,
Zurich University of Applied Sciences, Winterthur, Switzerland;

²am-tec Switzerland AG, Rafz, Switzerland

Jeff Williams and **Donna Samuel**, (UK)

Why applying Lean Thinking/Continuous Improvement to Maintenance
usually provides greater challenges than other functions
S A Partners LLP

1.2.2

Case Studies in Early Asset Management

Chairman: Ali Zuashkiani, Engineering University of Toronto, Canada

Alan Wilson, United Kingdom

A practical integration of maintenance with early asset management
Carmichael Smith Ltd., United Kingdom

Severino Marchetti and **Sandro Berchiolli**, Italy

Preventive Maintenance Optimization strategies
ISE – Industrial Service Engineering

Michel Rumo, Switzerland

Design for excellence
NESTEC SA Vivey Switzerland

Zhang Bo, Zhu Minghui, Li Zhigang, Ma Hongzhong, Yu Hui, China

The Practice of Economic Management for Oil Company Equipment Assets
Tianjin association of device management

1.2.3

Outsourcing and Supply Chain Management

Chairman: Guido Walt

Volker Osdoba and **Michael Mueller**, Switzerland

Maintenance analysis as the basis for the successful outsourcing of maintenance
Bilfinger Industrial Services Schweiz AG, Switzerland;
Bilfinger Industrial Services GmbH, Germany

Graziano Perotti, Italy

Fast and unambiguous spare parts coding
ST ENGINEERING, Italy

José Sobral¹ and **L.A. Ferreira²**, Portugal

Spare parts and maintenance risk assumption

¹ISEL – Instituto Superior de Engenharia de Lisboa – Portugal;

²FEUP – Faculdade de Engenharia da Universidade do Porto - Portugal

Michael Müller, Austria

Knowledge management in industrial maintenance
Bilfinger Industrial Services GmbH, Germany

15.15 - 15.45

Coffee & Tea Break

15.45 - 17.30

1.3.

Afternoon Parallel Session

1.3.1

**Maintenance Best Practices in the Pharmaceutical,
Food & Cosmetics Industries**

Chairman:

Antonio Altobelli¹ and **Antonello Babbore²**, Italy

Application of RCM to an Italian chemical-pharmaceutical plant

¹Business Owner, ABC srl – Latina – Italy;

²Engineering and Maintenance Manager, Kedrion – S.Antimo (NA) - Italy

György Péczely, Hungary

Creating and executing a comprehensive maintenance strategy in the Food industry

A.A. Stadium Ltd. Hungary

Andrea Simonetti, Italy

A new approach to improve reliability in a context of pharmaceutical packaging lines

Alessandro Villa and **Doriano Fabris**, Switzerland

Contained Chemistry Design for Maintenance

Helsinn, Switzerland

1.3.2

Asset Management Life Cycle Analysis & Methodology

Chairman: Antonella Maciga, MTM

Stanley Deighton, Netherland

Remnant Life Assessment

Tebodin Netherlands B.V.

Kari Kommonen, Finland

Physical asset management: what is it all about and what do emerging standards say about it?

Promaint (Finnish Maintenance Society)

Li Baowen, China

Management of Life Circle Risk

Industrial and Plant Engineering Institute of Guangzhou University

José Sobral¹ and **L.A. Ferreira**², Portugal

Human error, human competences and maintenance efficiency

¹ISEL – Instituto Superior de Engenharia de Lisboa – Portugal;

²FEUP – Faculdade de Engenharia da Universidade do Porto - Portugal

1.3.3

Assessment of Maintenance Skill Requirements, Education,

Training and Qualification

Chairman: Gabriela Gariani

Roberto Ravaglia, Italy

Qualification of maintenance personnel – Standardization activity of CEN TC 319

UNI – Ente nazionale italiano di Unificazione – Italia

Ingemar Andreason, Sweden

Broaden the horizon by upgrading current qualification

EURIAC

René Strijbosch, Netherland

Maintenance Education Framework

Maintenance education Consortium, Netherlands

Jørgen Bjerg, Denmark

The qualified maintenance manager - a key player in the organization

Vesko, Denmark

18.00

Come together Aperò

8.30 - 10.00

2.1

Plenary session

Chairman: Mohammad Al Fouzan, Omaintec CBD

Jens Reichel, Germany

Qualification of maintenance personnel

Hüttenwerke Krupp Mannesmann GmbH; Energy, Infrastructure and Asset Management

Uday Kumar, Sweden

Context Driven Condition Based Maintenance

Luleå University of Technology, Luleå-SWEDEN

Maria Azzalin, Italy

Service life and maintenance. Implementing a common approach for collecting and formatting data: a proposal via ISOs 15686 and UNI 10951

Li Baowen, China:

Why TnPM is successful in China

Industrial and Plant Engineering Institute of Guangzhou University

Paul Ludorf, Ireland

Achieving World class Maintenance in the Pharmaceutical Industry

Technical department in Rottapharm Dublin

10.00 - 10.30

Coffee & Tea Break

10.30 - 12.15

2.2

Morning Parallel Session

2.2.1

Maintenance Best Practices in Facilities Management

Chairman: Nils Blechschmidt, ConMoto Cons. Group, Germany

Norman Wu Ming and **Chin San Ng**, Singapore

Hospital-Grade Maintenance Strategies for Healthcare Facilities

Technology & Engineering Centre, Healthcare Infrastructure Project Division, MOHH, Singapore

Timothy Delcò¹, Claudio Rolandi², Jamal El Chaar², Switzerland

Canton Ticino - Switzerland: The Real Estate's Maintenance Management

¹Logistics of Canton Ticino;

²University of Applied Sciences of Southern Switzerland (SUPSI), Institute of Systems and Technologies for Sustainable Production

Shauquat Alam, Saudi Arabia

O&M - Added value to Facility Management - A case study from KSA

Daniela Ladiana and **Michele Di Sivo**, Italy

School maintenance and safety

University of Chieti and Pescara – Architecture Department

2.2.2

Developing Future Asset & Maintenance Management Strategies

Chairman: Christer Idhammar, Usa

Tim Zaal, Netherlands

How to implement World Class Maintenance

Hogeschool Utrecht University of Applied Sciences Faculty FNT

Alexander Stuber, Switzerland

An Innovative Maintenance Concept

European Federation of National Maintenance Societies – EFNMS

Corina van Unen, Netherlands

World Class Maintenance: creating sustainable business together

Dutch Institute World Class Maintenance, the Netherlands

Alex Thomson, United Kingdom

Value Oriented Maintenance – The strategic dimension of the spanner

The Woodhouse Partnership

2.2.3

Managing the Organisation

Chairman: Uday Kumar, Luleå University of Technology, Sweden

Heiko Schultz and **Irina Haesler**, Germany

Impact of European technical standards on organization and qualification in maintenance

German Association for Industrial Engineering (REFA)

György Jr. Péczely, Hungary
Creating and executing a comprehensive maintenance strategy in the Food industry
A.A. Stadium Ltd. Hungary

Palle Grøndahl, Denmark
Organizational development through qualified maintenance technicians
MEng and Partner in the operation and maintenance consultancy Vesko, Denmark

Saverio Albanese, Italy
Strategic planning of the human factor for leadership in the maintenance
Versalis Eni Italy

12.15 - 13.30

Lunch

13.30 - 15.30

2.3
Afternoon Parallel Session

2.3.1
Maintenance Best Practices in the aerospace sector
Chairman: Alan Wilson, Carmichael Smith LTD, UK

Giovanni A. Di Meo, Sergio Chiesa, Marco Fioriti, Italy
Support and Maintenance strategies for future, innovative and large, widespread Air Personal Transportation Systems
Politecnico di Torino

Andrea Spiriti and Diego Zucchiatti, Switzerland
Aircraft Maintenance Technician – Certification Process
Aviotrace

Al Emeneker, USA
Aircraft Reliability and People Partnership

Liu Junsheng, He Wenjie, Tian Jingwu, Liu Qingnian, China
The Accelerated Development of Tianjin A320 Aircraft Assembly Corporation by Industrial Services Outsourcing
Administrative Committee of Tianjin Aripport Economic Area

2.3.2
Implementation Case Studies in Industrial Maintenance Management
Chairman: Li Baowen, Guangzhou Share For Maintenance Consulting

Li Zhitie, Wang Jianli, Li Shanbin, Li Jinsuo Wang Hengyuan, China
The Maintenance System Construction Work for Enterprises under New Situations
Tianjin Iron and Steel Group Co., Ltd

Wang Xiangsen, China
TnPM implementation in the CNLC Iran Branch
China National Logging Company of CNPC

Chris Rijdsdijk, Netherlands
The effects of maintenance support
Hogeschool Zeeland, The Netherlands

Pedrazzoli Paolo, Switzerland
Virtual Environment Platform for Industrial Operation and Maintenance
University of Applied Sciences of Southern Switzerland (SUPSI).
Institute of Systems and Technologies for Sustainable Production)

Fahad Ahmed AL-Zahrani and Mushtaq A. Azad, Saudi Arabia
Corona Discharges/Dry-Band Arcing Significantly Impair The Life Of Composite Insulators In The Red Sea Coastal Environment, Saudi Arabia
National Grid, SA (Saudi Electricity Company)

2.3.3
Risk and Reliability assessments toward maintenance optimization in process plants
Chairman: Andrea Carpignano, Politecnico di Torino

Antoine Despujols, France
Maintainability of Marine energy converters
EDF (Electricité de France) – R&D Division; Industrial Risk Management Department

Carlo Filippi, Italy
RBI – Risk Based Inspection: how to prepare an inspection plan
TÜV Italia S.r.l

Flavio Daffonchio and **Stefano Piccoli**, Italy
RCM Techniques: customized application to an offshore installation in the early production phase
Tecnomare (Italy)

Michele Piccini, **Paolo Tarasco**¹, **Francesco Ganci**², **Graziano Perotti**³, Italy
A RCM-based approach focused on the improvement of operational sustainability and minimization of environmental concerns. A case study in the chemical domain
¹RAMS&E SRL, Italy, ²Politecnico di Torino, Italy, ³ST Engineering, Italy

Enrico Zio, France
Modern RAMS analysis and maintenance engineering for modern industry
Ecole Centrale Paris and Supelec, France; Energy Department, Politecnico di Milano, Milan, Italy

15.30 - 15.45

Coffee & Tea Break

15.45 - 17.30

2.4
Afternoon Parallel Session

2.4.1
Advances in Infrastructure / Transportation Maintenance Management
Chairman: **Andrea Spiriti**, **Avio Trace Swiss**, CH

József Csiba, Hungary
Investigation Into the Availability and Operational Characteristics of Rolling Stock by Using Stochastic Indicator Processes
Faculty of Transportation Engineering and Vehicle Engineering;
Budapest University of Technology and Economics

Jolien van Lokven¹, **Donald Bezemer**², Netherland
Standardization of condition assessment methodologies for structures
¹NEN, Netherlands, ²D.O.N. Bureau, Netherlands

Yao Yuan, **Han Limin**, **Li Yigang**, **Zhou Baoquan**, **Guo Yanqi**, China
The Enhancement of the Corporate Equipment Maintenance System Construction for the China Railway 18th Bureau Group Company to Respond to the Market
China Railway 18th Bureau Group

2.4.2
Implementation Case Studies in Industrial Maintenance Management
Chairman: **Emanuele Carpanzano**, **SUPSI**, CH

Virginio Peluzzi and **Bernd Geider**, Italy
Results are not by chance: Excellence in Maintenance for Excellence in the global Operations
Efeso Consulting

Satoshi Suzuoki¹ and **Tsutomu Nakamura**², Japan
Total Productive Maintenance
¹Japan Institute of Plant Maintenance; ²TPM

Daniele Mollica, Italy
The CMMS at the center of TPM, a source of strategic indicators
Datwyler Sealing Solutions

2.4.3
Advances in Asset Monitoring and Computer Based Application Systems
Chairman: **Tim Zaal**, **Hogeschool Utrecht**, NL

Antonella Maciga and **Andrea Maciga**, Italy
Web based maintenance engineering: an innovative and sustainable solution to manage maintenance within SMEs
MTM srl, Italy

Taiyong Wang¹, **Luyang Jing**², **Dongxiang Chen**, China
Online monitoring and a remote intelligent maintenance system for complicated CNC equipment
Key Laboratory of Mechanism Theory and Equipment Design of Ministry of Education of China, Tianjin University

José Torres Farinha¹, **Ruben Oliveira**², **Inácio Fonseca**³, **Luís Andrade Ferreira**⁴, Portugal
Technical asset management beyond tomorrow
^{1, 2, 3}CEMUC® - University of Coimbra's Mechanical Engineering Research Center, Portugal; ⁴Faculty of Engineering of the University of Porto, Portugal

Tariq Nasab, Saudi Arabia
Improving the Efficiency of Maintenance Operations through Purchasing the Right CMMS/ EAM System
Arabic Institute of Operation & Maintenance, Riyadh, Saudi Arabia

20:30

2.5

Lugano Declaration - Founding of International Maintenance Association (IMA)

Mohammad Al Fouzan, Omaintec

Guido Walt

Alan Wilson

Efnms

Li Baowen

Welcome to the Temporary Board

Gala Dinner

6th September

3rd Day

08.30 - 09.30

3.1

Morning Parallel Session

3.1.1

Workshop - Training and education and discussion:
How to implement World Class Maintenance in training

Per Schjolberg, Norway

Competence development for sustainable implementation of World Class Maintenance

The Norwegian University of Science and Technology

Guido Walt, Switzerland

Market needs

Wear-Management

Donal Nolan, Ireland

Curricula for Vocational Training in Maintenance

Institute of Industrial Engineering

Ingemar Andreason, Sweden

Validation in maintenance

VocTrainMaint and EURIAC

3.1.2

Think Tank with Scientific Committee for preparing next topics

3.1.3

Workshop - Evidence Based Asset Management

Ali Zuashkiani, Canada

Evidence Based Asset Management

09.30 - 10.00

Coffee & Tea Break

10.00 - 10.30

3.2
Final discussion

3.2
Evaluation form and final discussion

10.30 - 11.00

3.3
Closing Conference Work

3.3
Closing

3.4
Visits

3.4.1
Visits

3.4.2
Visits

3.4.3
Visits

Registration on-line

worldmaintenanceforum-conference.com/index.php/registration

Registration fee

Registration fee includes all conference sessions, conference bag and materials, lunches, coffee breaks and Gala dinner plus industrial visits.

Registration fee for Students

Registration fee for student is 300 CHF. Please send an e-mail to registration WMF@supsi.ch with your certificate of attendance.

Deadline for registration

Deadline for on line registration is August the 31st at 1.00 p.m. (CET). After this date only on site registration will be accepted.

Cancellation policy

Any cancellation must be sent by email to registration WMF@supsi.ch. Cancellation is possible within August the 1st 2013.

In case of cancellation your registration fee will be refunded after deducting the cancellation fees as follows:

Regular registration: 300 CHF

Student registration: 100 CHF

Anyone who is registered but cannot attend may send a substitute.

Regular

Early bird until 15/06/2013: 900 CHF

Normal: 1'000 CHF

On-site: 1'200 CHF

Student

Early bird until 15/06/2013: 200 CHF

Normal: 300 CHF

On-site: 350 CHF



Lugano, the city where the World Maintenance Forum 2013 is going to take place.