

# FIRST GLOBAL MEETING OF MAINTENANCE SOCIETIES

“A WORLDWIDE OVERVIEW OF CURRENT  
PRACTICE OF MAINTENANCE  
EDUCATION & TRAINING (ME&T)”



[www.ima-world.org](http://www.ima-world.org)



## CONFERENCE PROGRAM

### **IMA** WORLD MAINTENANCE **FORUM 2019**

**30 – 31 October 2019**  
Convention Centre, Lugano – Switzerland

Maintenance Education &  
Training (ME&T)

# IMA WORLD MAINTENANCE FORUM 2019



30-31 Oct 2019

Convention Center, Lugano - Switzerland



The International Maintenance Association (IMA) has chosen the 2019 Conference Theme after conducting a survey among a committee of many Subject Matter Experts, Maintenance Specialists, and Academics from different parts of the Globe.

## MAINTENANCE EDUCATION & TRAINING (ME&T)

The IMA World Maintenance Forum will be held under the theme of

**"First Global Meeting of Maintenance Societies  
/ A Worldwide Overview of Current Practice of Maintenance  
Education & Training (ME&T)"**



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**IMA WORLD  
MAINTENANCE  
FORUM 2019**  
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A specialized COMMITTEE is working on this theme and is preparing a study on **"Worldwide Overview of Current Practice of Maintenance Education and Training (ME&T)"**

The study goal is to identify shortcomings within ME&T and aims at reaching the optimum formula for the focus and improvement of ME&T globally. The outcome will be a guideline at international level to help local and regional organizations / associations plan and strategically develop their Maintenance Education and Training; and thereby to achieve the best value in Budgeting, Maintenance Planning & Scheduling and Maintenance Optimization generally.

The study is being conducted by a co-operative team of International Experts to assess the CURRENT approaches to the Education, Training and Apprenticeships programs for those involved in maintenance activities.

A **REPORT** of the study and the findings will be subjected to review and debate by international O&M experts **from Maintenance Societies worldwide** during the World Maintenance Forum 2019. Workshops and Case Studies will also be offered during the conference period.

## ABOUT THE FORUM

The World Maintenance Forum (WMF) is the leading event in the globe for Maintenance and Operations Best Practices, and includes the aspects of Asset and Facility Management related to these domains.

## EDUCATION & TRAINING

A study will be addressed arising from the worldwide survey on Maintenance Education & Training.

## COMMUNICATION

The Conference serves as bi-annual gathering connects IMA with other stakeholders from private and public sectors from all over the world.

## DISCUSSION

The exchange of professional and scientific experiences will take place with IMA partners from the public and private sector from all over the world.

## BUSINESS TO BUSINESS (B2B) & BUSINESS TO CUSTOMERS (B2C)

Experiences will be transferred and knowledge enhanced concerning maintenance, and asset and facility management particularly in Maintenance Education and Training (ME&T).

## UPDATE

Presentations and workshops will share up-to-date best practices in Maintenance Engineering and other relevant disciplines within the conference theme.

# INTERNATIONAL MAINTENANCE ASSOCIATION

## WHY YOU SHOULD ATTEND?

1. To Review and debate the initial REPORT of the study and its findings by international O&M experts from many Maintenance Societies worldwide.
2. Workshops and Case Studies will also be offered during the conference period.
3. The conference provides participants with a professional platform and a unique opportunity:
  - To Network with an outstanding group of Maintenance Societies, Maintenance Training and Education experts.
  - Improve your systems for Operations Management, Reduce Business Complexity, Optimize Maintenance and Reliability.
  - The conference will be held in a setting in which all participants can share ideas and solve problems.

## WHO SHOULD ATTEND?

This conference is a worldwide invitation to Maintenance Organizations, Societies or Institutes.

- Maintenance Societies
- Maintenance Training Organizations and Institutes
- Reliability Organizations and Societies
- International Maintenance Organizations
- Governmental Maintenance Training Institutes
- Maintenance Management / Asset Management Colleges
- Engineering Societies, Syndicates, or Councils
- Standardization / Organizations/ Agencies
- Research

## EVENT TOPICS

- Committee Presentation on: **“Global Current Practice of Maintenance Education and Training (ME&T)”**
  - International and Regional Maintenance Training Case studies
  - Maintenance Training Best Practice
  - International Maintenance Societies, Representatives, Review and Recommendation
  - The Future Requirements for Training (Maintenance and Asset Management)
  - The Importance of Maintenance Education and Training and Challenges in Future



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## **CONFERENCE PROGRAMME**

## CONFERENCE PROGRAM WORLD MAINTENANCE FORUM 2019 AGENDA

DAY 1: 30 <sup>TH</sup> OCTOBER 2019	
PROGRAM	TIME
Welcome Coffee and Registration	0830 - 1000
<ul style="list-style-type: none"> <li>- Opening Session Includes: <ul style="list-style-type: none"> <li>o Introduction Speech by the IMA Chairman <ul style="list-style-type: none"> <li>▪ About IMA</li> <li>▪ New Philosophy of The IMA Conference as A Podium for Similar Organizations and Societies at Regional and Global Level</li> <li>▪ Introduction about the IMA Conference 2019 Theme</li> </ul> </li> <li>o Guest Speaker</li> <li>o Sponsors Awards</li> </ul> </li> </ul>	1000 – 1100
Coffee Break	1100 - 1130
<ul style="list-style-type: none"> <li>- ME&amp;T Study Committee Presentations <ul style="list-style-type: none"> <li>o ME&amp;T Study Committee Members <ul style="list-style-type: none"> <li>▪ Introduction about the Committee Study</li> <li>▪ The Survey Questionnaires</li> <li>▪ The Results</li> <li>▪ The Analysis</li> </ul> </li> </ul> </li> </ul>	1130 -1230
Lunch	1230 – 1330
<ul style="list-style-type: none"> <li>- Workshop 1: The Future Requirements for Training (Maintenance and Asset Management): <b>Europe</b> <ul style="list-style-type: none"> <li>o Industrial Automation, <b>Claudio Rolandi - SUPSI University, <i>Switzerland</i></b></li> <li>o E-learning modules: Web-based training for Maintenance Management, Prof. <b>Andreas Weissenbach, Anja-Bettina Zurmuehl B.A., Cooperative State University Mosbach – <i>Germany</i></b></li> <li>o Masters Level Provision for Industrial Practitioners and Apprenticeship Training, <b>Prof Andrew Starr, <i>United Kingdom</i></b></li> </ul> </li> </ul>	1330 – 1530

## CONFERENCE PROGRAM

### WORLD MAINTENANCE FORUM 2019 AGENDA

DAY 2: 31 <sup>ST</sup> OCTOBER 2019	
PROGRAM	TIME
<b>Importance of Maintenance Training and Education - International Training Institutes / Organizations</b> <ul style="list-style-type: none"> <li>Case Study 1: Institute of Asset Management and International Society of Engineering asset Management <b>Andrew Jardine (Univ. Of Toronto, Canada)</b> in collaboration with Professor <b>Joe Amadi-Echendu (Chair ISEAM, University of Pretoria, South Africa)</b></li> <li>Case Study 2: <b>Prof. Li Baowen, Shareford Consulting Group, China</b></li> <li>Case Study 3: <b>Hamid Ghasemi, Center for Advanced Infrastructure &amp; Transportation Rutgers University, New Jersey, United States of America</b></li> </ul>	0900 -1100
<b>Coffee Break</b>	1100- 1130
<ul style="list-style-type: none"> <li>Workshops 2 (The Importance of Apprenticeships)               <ul style="list-style-type: none"> <li>Swiss System, <b>Guido Walt, Switzerland</b></li> <li>Europe Certifications on Maintenance Training</li> <li>The evolution of Maintenance Function and the evolution of Maintenance Manager Competences, <b>Ing. Franco Santini, Italy</b></li> </ul> </li> </ul>	1130 -1330
<b>Lunch</b>	1330 - 1430
<ul style="list-style-type: none"> <li><b>Panel Discussion (IMA ME&amp;T Study Review and Debate)</b> <ul style="list-style-type: none"> <li>4 Panelists from Study Committee Members</li> <li>Attendees Participations, Debate and Feedback</li> <li>Presenting <b>Framework</b> of IMA Book:  <i>"IMA Global Guidelines for Maintenance Training and Education to be issued by IMA"</i> </li> </ul> </li> </ul>	1430 – 1600
<b>Conference Closing Remarks</b>	1600 – 1630

## WORLD MAINTENANCE FORUM COMMITTEES

### INTERNATIONAL ORGANIZING COMMITTEE

International Maintenance Association (IMA)  
Arab Council of Operations & Maintenance (OMAINTEC)

### LOCAL ORGANIZING COMMITTEE

Prof. Claudio Rolandi, SUPSI-DTI  
Dr. Jamal El-Chaar, SUPSI-DTI  
M.Sc. Huwayda Jamal (Office Manager, IMA Lugano Switzerland)

### EDITORIAL COMMITTEE

Jamal El Chaar  
Claudio Rolandi

# INTERNATIONAL MAINTENANCE ASSOCIATION

## MAINTENANCE EDUCATION AND TRAINING (ME&T) STUDY COMMITTEE

### **Alan Wilson**

Ph. D, Director, Carmichael Smith Ltd.  
Management Consultants, UK

### **Andreas Weissenbach**

Professor / Head of Department Mechanical  
Engineering, Baden-Wuerttemberg  
Cooperative State University Mosbach -  
Germany

### **Andrew Jardine**

Professor Emeritus, University of Toronto -  
Canada

### **Claudio Rolandi**

SUPSI - University of Applied Sciences of  
Southern – Switzerland

### **Franco Santini**

AIMAN - Italian Maintenance Association and  
EFNMS, Chairman of CEN TC 319  
“Maintenance” – Italy

### **Guido Walt**

MSc. E.T.H Swiss Federal Institute of  
Technology, Zürich  
Founder - Wear Management, Switzerland

### **Hamid Ghasemi**

Professor / Senior Research Engineer, Center  
for Advanced Infrastructure & Transportation  
School of Engineering, Rutgers University,  
New Jersey

### **James Kennedy**

Director Interlogis Consulting - Australia

### **Li Baowen**

Professor / Maintenance Management Branch  
of CMES (China Mechanical Engineering  
Society)  
Shareford Consulting Group – China

### **Per Schjolberg**

Professor / The Norwegian University of  
Science and Technology– Norway

### **Peter Willmott**

S A Partners - UK

### **Rolando Fuentes Reyes**

YPFB Refinacion S.A, Bolivia

# INTERNATIONAL MAINTENANCE ASSOCIATION

## WORLD MAINTENANCE FORUM ORGANIZER



[www.ima-world.org](http://www.ima-world.org)

### **International Maintenance Association, Switzerland**

**IMA** is a global social network in the field of assets maintenance. We act as a worldwide network for connecting individuals, shareholders and stakeholders, countries and cultures. All types of affiliations are represented, including individuals and local management, and industrial and service companies such as utilities, infrastructure, and facilities. [www.ima-world.org](http://www.ima-world.org)

Switzerland

## WORLD MAINTENANCE FORUM COLLABORATIVE PARTNERS

Scuola universitaria professionale  
della Svizzera italiana

# SUPSI

**University of Applied Sciences and Arts of Southern Switzerland** SUPSI produces, develops and disseminates knowledge and expertise as propellant forces fundamental to supporting the economic, social, technological and artistic progress of the region. [www.supsi.ch](http://www.supsi.ch)

# RUTGERS

THE STATE UNIVERSITY  
OF NEW JERSEY

**Rutgers, The State University of New Jersey, USA** commonly referred to as Rutgers University, Rutgers, or RU, is an American public research university in New Jersey. It is the largest institution of higher education in New Jersey. Rutgers was originally chartered as Queen's College on November 10, 1766. It is the eighth-oldest college in the United States and one of the nine colonial colleges chartered before the American Revolution. The college was renamed Rutgers College in 1825 in honor of Colonel Henry Rutgers. For most of its existence, Rutgers was a private liberal arts college, but it evolved into a coeducational public research university after being designated "The State University of New Jersey" by the New Jersey Legislature in laws enacted in 1945 and 1956

## WORLD MAINTENANCE FORUM COLLABORATIVE PARTNERS



**Cranfield University** is a British postgraduate and research-based public university specializing in science, engineering, technology and management. Cranfield was founded as the College of Aeronautics in 1946. Through the 1950s and 1960s, the development of many aspects of aircraft research and design led to considerable growth and diversification into other areas such as manufacturing and management. In 1967, the Cranfield School of Management was founded. In 1969, the College of Aeronautics became The Cranfield Institute of Technology incorporated by Royal Charter and gained degree awarding powers and became a university in its own right. In 1993, it adopted its current name.



**Arab Council of Operation & Maintenance** OMAINTEC in the Arab countries represents a meeting point for all the specialists and professionals working in the field of operation and maintenance, in order to exchange experiences and to identify methods and techniques of operation and maintenance. [www.omaintec.org](http://www.omaintec.org)

# INTERNATIONAL MAINTENANCE ASSOCIATION



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