# *The World Conference on Pavements and Assets Management*

## WCPAM 2017

ICMPA   EPAM

TRB
TRANSPORTATION
RESEARCH BOARD

EPAM
Pavement and Asset Management

ICMPA
Managing Pavement Assets

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UNIVERSIDADE TÉCNICA DE LISBOA

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## Hosted by: POLITECNICO DI MILANO

**<u>Conference Chair</u>: Maurizio Crispino, Ph.D., P.E.**
*Professor, Civil Engineering – Transportation Infrastructures*
*Director, Road Research Laboratory*
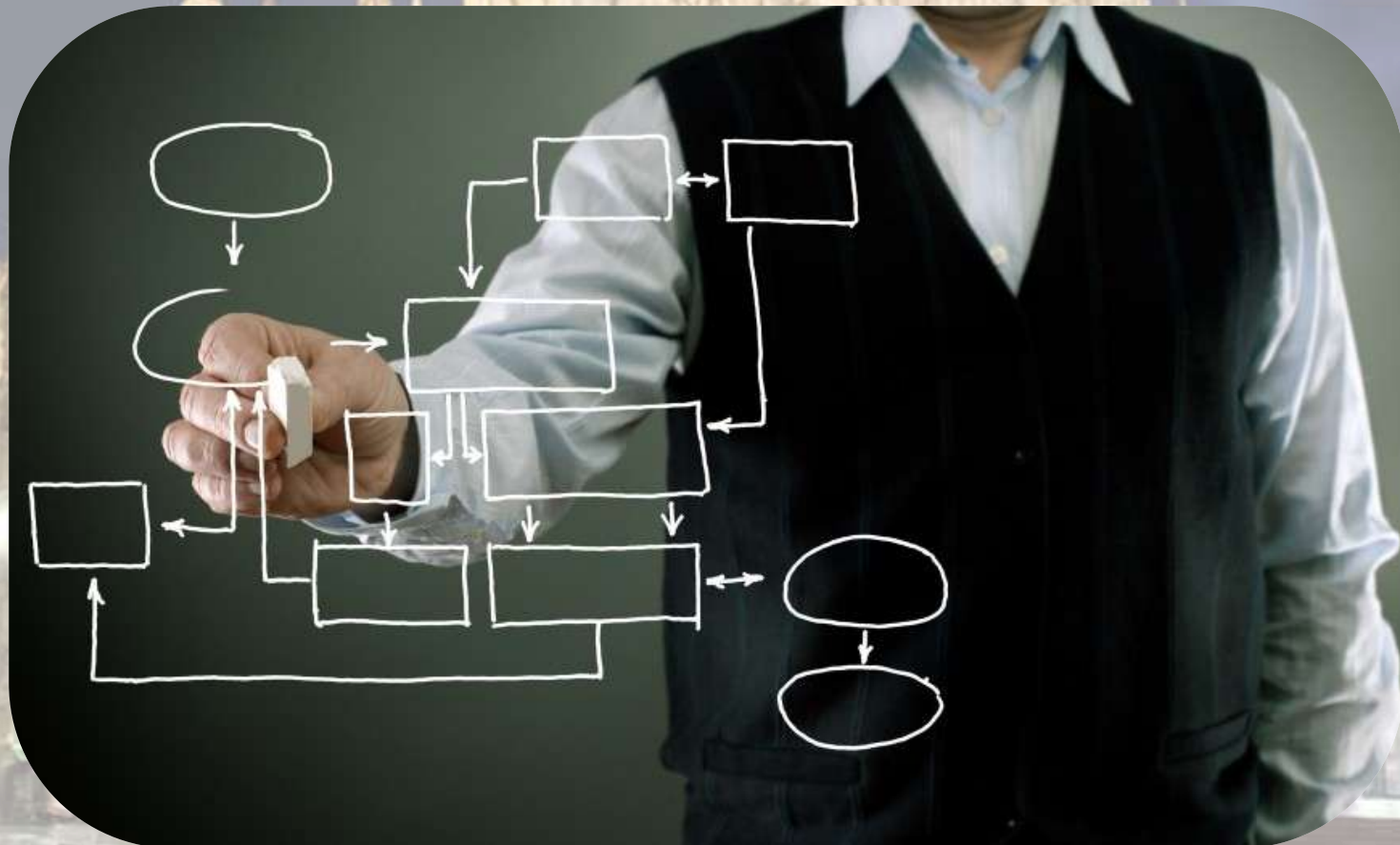
POLITECNICO
MILANO

HOSTING Institution:

**Politecnico di Milano** (since 1863)

*The leading Italian University in Architecture, Design and Engineering*

# CONFERENCE ORGANIZATION

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**Conference Chair**
Maurizio Crispino
Politecnico di Milano (Italy)

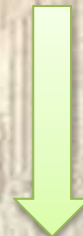**Conference Co-Chairs**

Gerardo Flintsch
Virginia Tech (USA)

Luis de Picado Santos
Instituto Superior Tecnico Lisboa (Portugal)

**STEERING COMMITTEE**
**(Chair, Vice-Chairs and 3 others from EPAM and ICMPA)**

**ORGANIZING COMMITTEE**
**(local members)**

**PUBLIC RELATIONS and INTERNATIONAL PROMOTIONS COMMITTEE**
**(worldwide members, chaired by 2 members from EPAM and ICMPA)**

**SCIENTIFIC COMMITTEE**
**(worldwide members, chaired by 2 members from EPAM and ICMPA)**

# PUBLIC RELATIONS and INTERNATIONAL PROMOTION Committee

*(members of this committee will be **specifically** responsible for **promoting** the conference through local and national committees, municipalities and road/airport authorities, local conferences, Associations, etc. They will also be in charge of **supplying possible sponsorships** through companies, associations, local firms, and public administrations.)*

1.  Canada →
2.  USA → …………………..
3.  Central America → ….
4.  South America → …
5.  Northern Europe (UK, Ireland, Scandinavian Countries, etc.) → ……….……..
6.  Southern Europe → ……. + ……………
7.  Africa → ………………
8.  Russia → …………………………………….
9.  Middle East → ………………………………..
10. China → …………………………………..
11. Japan →
12. India → ……………………………………..
13. Australia and New Zealand → ………………………………..

# PUBLIC RELATIONS and INTERNATIONAL PROMOTION Committee

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Organizations
TRB……………..
AASHTO………………..
PIARC……………………….
WORLD BANK………………………………
ASIAN DEVELOP. BANK…………………………………….
INTER-AMERICAN DEVELOP. BANK…………………..
EUROPEAN ORGANIIZATIONS
ITALIAN ORGANIZATIONS

……………………
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# Conference Dates

**Tentative Dates**:   12- 16 th <u>June, 2017</u>

Abstract Due:                                                          *April, 2016*
Abstract Acceptance Decision:                          *July, 2016*
Draft Paper Submission:                                    *November, 2016*
Paper Review due:                                             *January, 2017*
Final Paper Submission and Camera-ready due:   *February, 2017*
Registration Opens:                                           *February, 2017*
Early-bird Registration Ends:                            *April, 2017*

# Technical Themes

Papers and conference presentations are being solicited for a wide range of topics dealing with asphalt and concrete pavement maintenance and management, including (but not limited to):

***ROAD* and *AIRPORTS:***

- *pavements preservation, maintenance, and rehabilitation;*
- *pavement monitoring and performance assessment;*
- safety  and risk management;
- *pavement engineering vs. economic, environmental and political*
- *Energy savings, life-cycle cost analysis and life-cycle assessment (sustainable management)*
- *M&R techniques and PMS*
- *New pavements, M&R treatments and related Materials & Technologies*
- *New pavements and Rehab. design*

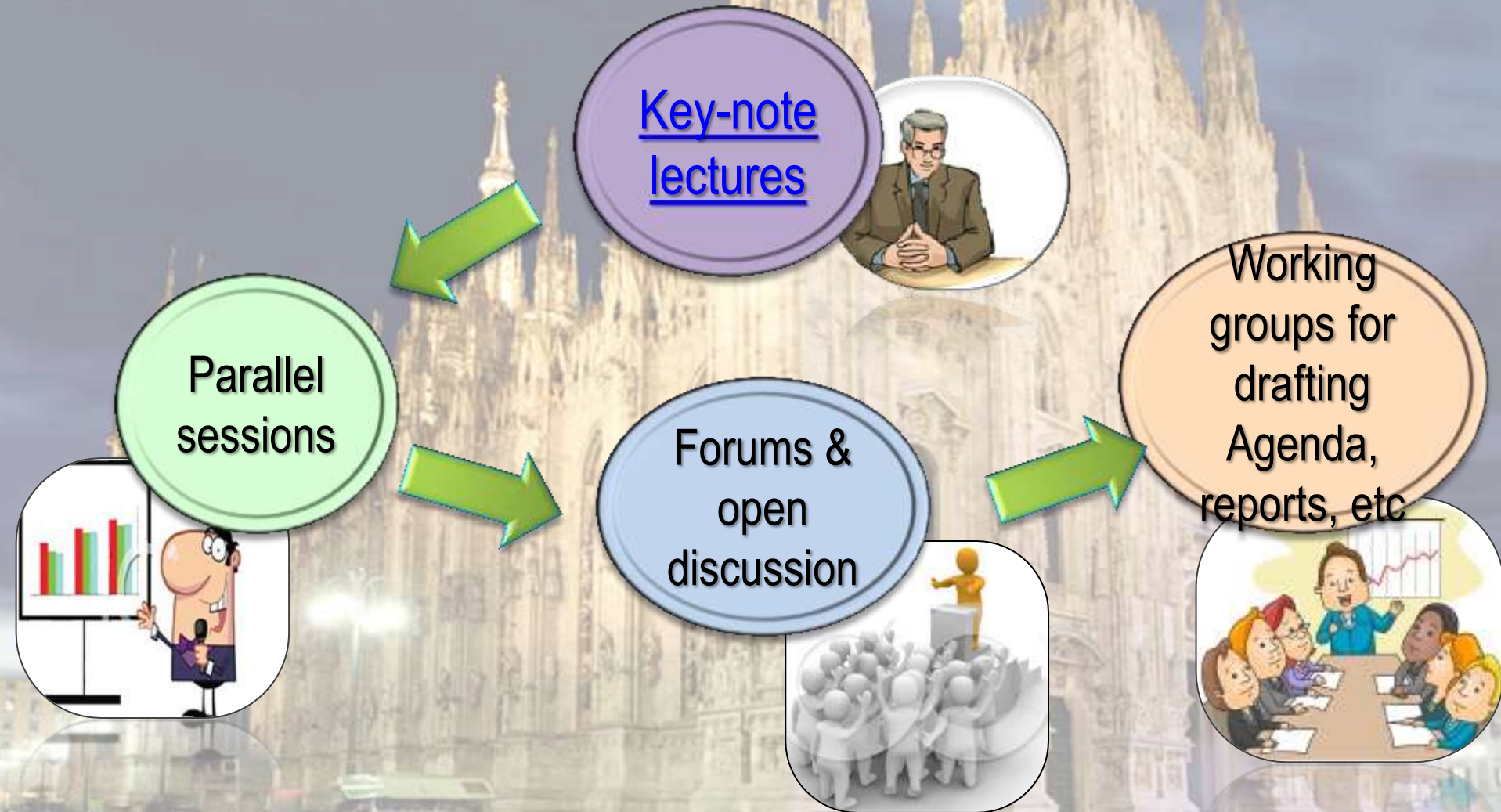***BRIDGES AND TUNNELS*** *management system*

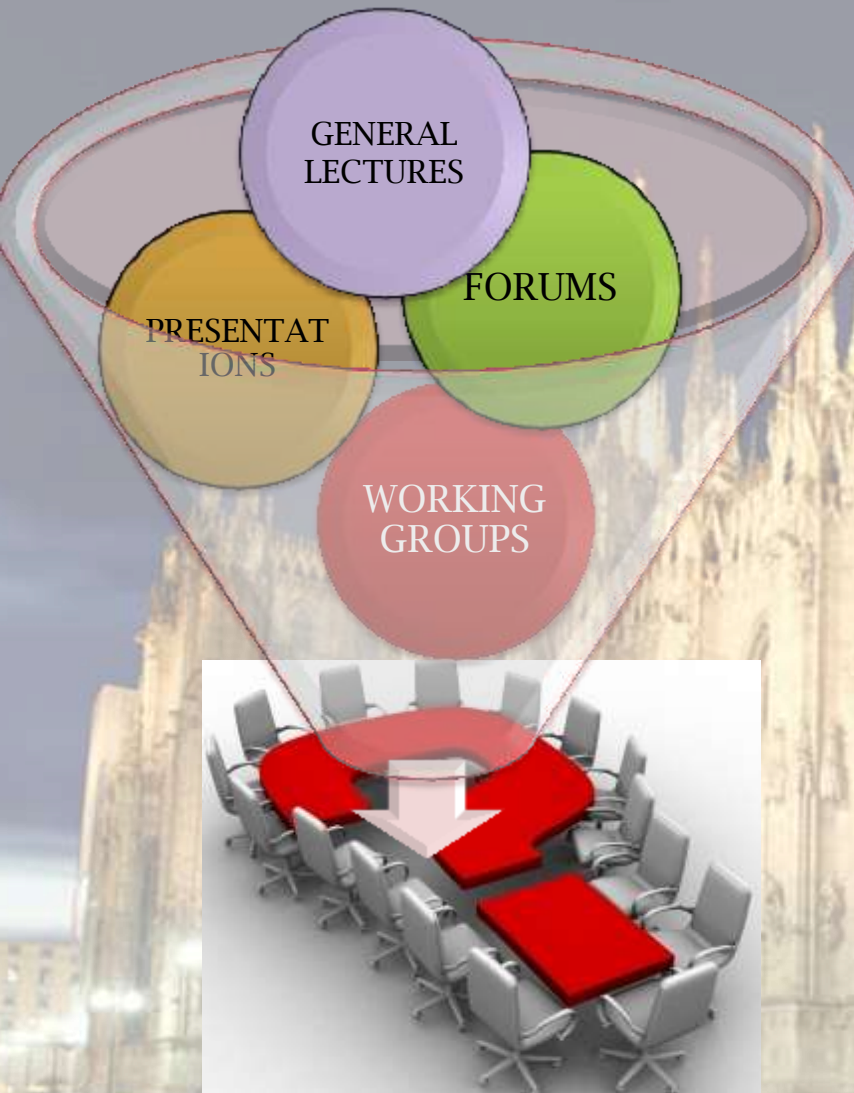Papers and presentations dealing with emerging topics are also encouraged.

# Conference Structure

The conference will be structured as follows:

Key-note lectures

Parallel sessions

Forums & open discussion

Working groups for drafting Agenda, reports, etc

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# Conference Structure



At the end of the conference a **WHITE AGENDA** and several **RESEARCH NEED STATEMENTS** will be drafted by the Working Groups in order to stimulate and promote future research.

Participants will:

- **ACTIVELY PARTECIPATE** to discussions and working groups;
- improve their knowledge on asset management;
- bring the know-how back to their own business.

# Preliminary Program

| TIME | DAY #1, June 12th |
| --- | --- |
| - | - |
| - | - |
| - | - |
| 14.00 – 18.00 | On-site registration opens |
| 14.30 – 16.00 | Workshops |
| 16.00 – 17.30 | Workshops |
| 17-30 - 19.00 | Opening reception |

Opening Reception, starting from 19.00
Enjoy refreshments while meeting old and new colleagues. Start the conference in the right mood and let the Italian spirit to welcome you!

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# Preliminary Program

| TIME | DAY #2, June 13th | | | |
|------|------|------|------|------|
| 9.00 | On-site registration opens | | | |
| 9.30-11.00 | Welcome and Opening Plenary Lecture | | | |
| 11.00-11.30 | Coffee Break | | | |
| 11.30-13.30 | Concurrent Technical Session 1 | | | |
| 11.30-12.00 | *Key-note Lecture 1.a* | *Key-note Lecture 1.b* | *Key-note Lecture 1.c* | *Key-note Lecture 1.d* |
| 12.00-13.00 | *Podium session 1.a* | *Podium session 1.b* | *Podium session 1.c* | *Podium session 1.d* |
| 13.00-13.30 | *Forum 1.a* | *Forum 1.b* | *Forum 1.c* | *Forum 1.d* |
| 13.30 – 14.30 | Lunch in the Exhibit Hall | | | |
| 14.30 – 16.30 | Concurrent Technical Session 2 | | | |
| 14.30-15.00 | *Key-note Lecture 2.a* | *Key-note Lecture 2.b* | *Key-note Lecture 2.c* | *Key-note Lecture 2.d* |
| 15.00-16.00 | *Podium session 2.a* | *Podium session 2.b* | *Podium session 2.c* | *Podium session 2.d* |
| 16.00-16.30 | *Forum 2.a* | *Forum 2.b* | *Forum 2.c* | *Forum 2.d* |
| | | | | |
| | | | | |

# Preliminary Program

| TIME | DAY #3, June 14th | | | |
|---|---|---|---|---|
| **9.00-11.00** | **Concurrent Technical Session 3** | | | |
| *9.00-9.30* | *Key-note Lecture 3.a* | *Key-note Lecture 3.b* | *Key-note Lecture 3.c* | *Key-note Lecture 3.d* |
| *9.30-10.30* | *Podium session 3.a* | *Podium session 3.b* | *Podium session 3.c* | *Podium session 3.d* |
| *10.30-11.00* | *Forum 3.a* | *Forum 3.b* | *Forum 3.c* | *Forum 3.d* |
| **11.00-11.30** | **Coffee Break** | | | |
| **11.30-13.30** | **Poster Session 1** | | | |
| **13.30 – 14.30** | **Lunch in the Exhibit Hall** | | | |
| **14.30 – 16.30** | **Concurrent Technical Session 4** | | | |
| *14.30-15.00* | *Key-note Lecture 4.a* | *Key-note Lecture 4.b* | *Key-note Lecture 4.c* | *Key-note Lecture 4.d* |
| *15.00-16.00* | *Podium session 4.a* | *Podium session 4.b* | *Podium session 4.c* | *Podium session 4.d* |
| *16.00-16.30* | *Forum 4.a* | *Forum 4.b* | *Forum 4.c* | *Forum 4.d* |
| **16.30 – 17.00** | **Coffee Break** | | | |
| **17.00 – 17.45** | **Working Groups** | | | |
| **19.30** | **Gala Event** | | | |

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# Preliminary Program

| TIME | DAY #4 , June 15th | | | |
|---|---|---|---|---|
| 9.00-11.00 | Concurrent Technical Session 5 | | | |
| 9.00-9.30 | *Key-note Lecture 5.a* | *Key-note Lecture 5.b* | *Key-note Lecture 5.c* | *Key-note Lecture 5.d* |
| 9.30-10.30 | *Podium session 5.a* | *Podium session 5.b* | *Podium session 5.c* | *Podium session 5.d* |
| 10.30-11.00 | *Forum 5.a* | *Forum 5.b* | *Forum 5.c* | *Forum 5.d* |
| 11.00-11.30 | Coffee Break | | | |
| 11.30-13.30 | Concurrent Technical Session 6 | | | |
| 11.30-12.00 | *Key-note Lecture 6.a* | *Key-note Lecture 6.b* | *Key-note Lecture 6.c* | *Key-note Lecture 6.d* |
| 12.00-13.00 | *Podium session 6.a* | *Podium session 6.b* | *Podium session 6.c* | *Podium session 6.d* |
| 13.00-13.30 | *Forum 6.a* | *Forum 6.b* | *Forum 6.c* | *Forum 6.d* |
| 13.30 – 14.30 | Lunch in the Exhibit Hall | | | |
| 14.30 – 15.30 | Poster Session 2 | | | |
| 15.30 – 17.00 | Plenary: Meet the national and International Authorities (presentation of results) Meet the Press and Social Media Closing Ceremony | | | |
| 17.00 | Reception (?) | | | |

# Preliminary Program

| TIME | Friday, June 16th |
|------|-------------------|
| 9.00-13.00 | Technical Tour |

# Preliminary Program

Concurrent Technical Sessions
(6 sessions x 4 tracks x 4 papers = 96 podium presentations)
Tentative topics:

- Session #1: **Management Practices and Applications**
  - ✓ *1.a: Airport P&A Management*
  - ✓ *1.b: Road P&A Management*
  - ✓ *1.c: Bridge and Tunnels Management*
  - ✓ *1.d: Political, economical and Social Aspects*
- Session #2: **M&R of Pavement and Assets**
  - ✓ *2.a: Airport P&A : M&R Innovative Techniques*
  - ✓ *2.b: Road P&A : M&R Innovative Techniques*
  - ✓ *2.c: Bridge and Tunnel P&A M&R Innovative Techniques*
  - ✓ *2.d: Short and Long-term Effectiveness of Maintenance Treatments*
- Session #3: **Monitoring, Pavement Performance assessment and Key Performance Indicator**
  - ✓ *3.a: Airport Pavements:* Monitoring and Performance assessment
  - ✓ *3.b: Roads Pavements:* Monitoring and Performance assessment
  - ✓ *3.c: Bridge and Tunnels:* Monitoring and Performance assessment
  - ✓ *3.d Key Performance Indicators and Threshold/Trigger Evaluation*

# Preliminary Program

Tentative topics:

- Session #4: **Sustainable Management Practices**
  - ✓ 4.a: Sustainable Maintenance Interventions
  - ✓ 4.b: Including Sustainability into Pavement and Asset Management Systems
  - ✓ 4.c: Carbon Footprinting and Embodied Energy Evaluation
  - ✓ 4.d: Life Cycle Assessment and Tools
- Session #5: **Implementing P&A Management Practices in Developing Countries**
  - ✓ 5.a: Current Practices in P&A Management Systems
  - ✓ 5.b: Case studies from Africa, Asia, and Latin America
  - ✓ 5.c: Rural and Local Roads Pavement Design
  - ✓ 5.d: Managing Rural and Local Roads
- Session #6: **Including Risk and Safety Assessment in P&A Management**
  - ✓ 6.a: Risk Assessment and Management in P&A management
  - ✓ 6.b: Public Perception of Risk and Emergency Management
  - ✓ 6.c: Safety Management for Roads and Airports
  - ✓ 6.d: Requirements and Innovations in Bridges and Tunnels Safety Management

Poster Sessions – "Meet the Authors"
(2 poster sessions x 40 posters = 80 poster presentations)

Logo



Motto

"*Getting ready to face Pavement and Asset management future needs and scenarios, efficiently achieving savings, user satisfaction, and sustainability, while addressing changes in social awareness".*
*WCPAM 2017, more than just a conference!*

# and Before the Conference…

## *"Warming up for WCPAM 2017"* event series:

A series of events including seminars, 1-day symposiums and conferences, workshops, or presentations on Pavement Maintenance and Management will be organized worldwide by the local members of the Public Relation and Sponsoring Committee under the sponsorship of the "WCPAM 2017" logo.

*Funding for the event series will be gathered by local members among companies and municipalities that will in turn receive an exhibitor complementary spot during the main event in 2017.*

# (Tentative) location

# SUPPORT & SPONSORSHIP are OPEN!

**Milano, ITALY – 12-16 June, 2017** *(tentative dates)*

# THANK YOU

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