

# I S E C O 2

## ***Second International Structural Engineering and Construction Conference***

***SPECIAL MORNING ON:***

***The Messina Strait Bridge:  
Design, analysis and management***

***Wednesday, 24th September***

- 8,30** INTRODUCTION  
PROF. ING. F. CASCIATI  
*University of Pavia*
- 8,40** DOTT. P. CIUCCI  
*Stretto di Messina S.p.A.*
- 9,00** PROF. ING. R. CALZONA  
*University of Rome "La Sapienza"*
- 9,40** ING. G. FIAMMENGHI  
*Stretto di Messina S.p.A.*
- 10,00** PROF. ING. P.G. MALERBA  
*Technical School of Milan*
- 10,30** DISCUSSION

**Wednesday, 24th September**

**14:30 - 16:00**

**11:20 - 12:50**

**Special Session on "Advanced conceptual tools for the analysis of long span suspended bridges".**

**Malerba - Ahuja**

Strategy and formulation levels of the structural performance analysis of advanced systems.

*M. Silvestri & F. Bontempi*

General aspects of the structural behaviour in the Messina Strait Bridge design.

*L. Catallo, L. Sgambi & M. Silvestri*

**Invited Presentation by Stefano Bruni  
Technical School of Milan**

Evaluation and results' comparison in dynamic structural response of Messina cable-suspended bridge.

*V. Barberi, M. Ciani & L. Catallo*

Aspects for the determination of the complex stress states in suspension bridge for the fatigue-analysis

*L. Catallo, V. Di Mella & M. Silvestri*

**LUNCH**

**Special Session on "Advanced conceptual tools for the analysis of long span suspended bridges".**

**Casciati - Boulon**

A reference framework for the aerodynamic and aeroelastic analysis of long span bridges with CFD.

*D. Taddei & F. Bontempi*

Conceptual formulation for the aerodynamic optimization of long span bridge deck sections.

*F. Giuliano & T. Taddei*

**Invited Presentation by Masaru Matsumoto  
Kyoto University**

A conceptual framework for the design of an intelligent monitoring system for the Messina Strait Bridge.

*S. Loreti & G. Senaud*

A hybrid probabilistic and fuzzy model for risk assessment in a large engineering project.

*F. Petrilli*