

	30-Oct Monday	31-Oct Tuesday	1-Nov Wednesday
08:30 - 09:00	Registration		
09:00 - 09:20	Opening Session	Keynote - Vincent de Ville de Goyet	Technical Visit: Braga Stadium
09:20 - 10:00	Keynote - Masaru Matsumoto		
10:00 - 11:00	SESSION S1	SESSION S5	
11:00 - 11:40	Coffee-Break	Coffee-Break	
11:40 - 13:00	SESSION S2	SESSION S6	
13:00 - 14:30	Lunch	Lunch	
14:30 - 15:10	Keynote - Allan Larsen	SESSION S7	
15:10 - 16:30	SESSION S3	Coffee-Break	
16:30 - 17:00	Coffee-Break	Forum of discussion	
17:00 - 18:20	SESSION S4	Closing Session	
18:30 - 20:30	Reception	Social Dinner	

30 OCT > MONDAY**09:20 – 10:00 KEYNOTE LECTURE**

Rain and wind induced vibration and dry galloping of stay cables -Its mechanism and aerodynamic stabilization-
Masaru Matsumoto, Hiroshi Ishizaki, Tomo Tanaka

10:00 – 11:00 SESSION S1

CABLE VIBRATIONS, SOURCES AND RESPONSE ASSESSMENT

Effect of low-frequency vortices on dry galloping of bridge stay cable
Hiroshi Katsuchi, Vo Duy Hung, Hitoshi Yamada

Wake-induced vibration of parallel cables with spiral protuberances
Ippei Sakaki, Tomomi Yagi, Satoshi Ogawa, Yishan Yuan, Hiromichi Shirato

An investigation of large-amplitude cable vibrations at critical and supercritical Reynolds numbers
Sean McTavish, Kunihiro Yamauchi, Hiroshi Sato

11:40 – 13:00 SESSION S2

WIND TUNNEL, FULL SCALE AND LABORATORY TESTING OF STAY CABLES

Wind tunnel tests on free to respond bridge stay cable models

Guy L. Larose, Sean McTavish, Harold Bosch, Stoyan Stoyanoff, Jasna B. Jakobsen, Jungao Wang

Lift and drag loads on inclined stay cables with helical fillet

Olivier Flamand

Aerodynamic performance of a cactus-shaped cable under static wind tunnel tests

Jungao Wang, Jasna Bogunović Jakobsen, Sean McTavish, Guy L. Larose

Preliminary evaluation of the ice shedding properties of bridge cable surfaces

Lubomir Matejicka, Christos T. Georgakis, Holger H. Koss, Andreas Schwarz, Philipp Egger

14:30 – 15:10 KEYNOTE LECTURE

Cable aerodynamics in Eurocode – An engineering point of view
Allan Larsen

30 OCT > MONDAY**15:10 – 16:30 SESSION S3**

WIND TUNNEL, FULL SCALE AND LABORATORY TESTING OF STAY CABLES

Effects of spatial variations of shape and turbulence on wind response of stay cables

Stoyan Stoyanoff, Guy Larose, Zachary Taylor, Pierre-Olivier Dallaire, Harold Bosch

Setup for the measurement of drag and lift forces on cables at high Reynolds numbers

Olivier Flamand

Development of a robot to measure stay cable roundness

Harold Bosch, James Pagenkopf

Effects of cross-sectional shape distortions on bridge stay cable aerodynamics

Heidi Christiansen, Guy L. Larose, Jasna B. Jakobsen, Harold R. Bosch

17:00 – 18:20 SESSION S4

NUMERICAL MODELLING AND SIMULATION IN TRANSMISSION LINES

Analytical method for buffeting response of transmission conductor under wind load

Dahai Wang, Xinzhong Chen, Shuguo Liang

Evaluation of phase-to-phase clearances of transmission line conductors under turbulent wind

Louis-Philippe Parent, Sébastien Langlois, Kahina Sad Saoud

Motion magnification techniques for aeolian vibration measurements

Mohamad Ghaffarain Niasar, Boris Adum, Peter Sidenvall, Lillemor Carlshem, Mikko Jalonen, Magni Pálsson

Time-domain numerical model of substation conductor span subjected to short-circuit loading

Mathieu Boudou, Sébastien Langlois, Kahina Sad Saoud, Christine Yang

31 OCT > TUESDAY**09:00 – 09:40 KEYNOTE LECTURE**

Aerodynamic behaviour of cables at third Bosphorus bridge - observations on site

Vincent de Ville de Goyet

09:40 – 11:00 SESSION S5

FATIGUE ANALYSIS AND DIAGNOSIS, ASSESSMENT OF FORCES AND VIBRATION CHARACTERISATION

Long-term performance of suspension bridge main cables and hangers

Peter Sluska

Induced vibrations

Robert Zueck

A modal analysis method to identify tension in stay-cables equipped with additional unknown masses in the span

Vincent Denoël

Estimation of the tensile force in the stay-cables of Salgueiro Maia bridge using ambient vibration tests

Ana Joaquim, Corneliu Cismasiu, Filipe Santos, Elsa Caetano

11:40 – 13:00 SESSION S6

DAMPING, VIBRATION CONTROL AND PERFORMANCE

On the modelling of internal damping in stranded cables

Francesco Foti, Luca Martinelli, Federico Perotti

Galloping critical wind velocity of a taut cable-damper system

Cung H. Nguyen, John H.G. Macdonald

Design of negative stiffness dampers for bridge stay cable vibration control

Majd Javanbakht, Shaohong Cheng, Faouzi Ghrib

Hysteresis modelling of a pendulum damper at non-stationary vibrations

Alexander Danilin, Jean-Louis Lilien, Alexander Vinogradov

14:30 – 15:50 SESSION S7

NUMERICAL AND EXPERIMENTAL ASSESSMENT

Numerical study on flow structure around an inclined circular cylinder at $Re=10^{-5}$

Ran Wang, Shaohong Cheng, David S-K. Ting

A numerical study on super-harmonic responses of mooring cables subjected to top end excitations

Lin Chen, Biswajit Basu

Investigation on wind-induced dynamic responses of long-span transmission line by wind tunnel test

Shuguo Liang, Dahai Wang, Shuliang Wang, Lianghao Zou

Continuous dynamic monitoring of an overhead transmission line

Fernando Bastos, Elsa Caetano, Daniela Rocha, António Cardoso

16:20 – 17:50 FORUM OF DISCUSSION