

Program: Monday 18 september

16:00 - 18:00 Registration
 18:00 - 20:00 Ice Breaking Party

Program: Tuesday 19 september

8:00 - 9:00 Registration

Johannes Vermeer Session

Chairman: A.V. Metrikine

9:00 - 9:30 Opening Ceremony *Opening speech by J.T. Fokkema, Rector Magnificus of Delft University of Technology and Welcome Speech by L. de Quelerij, Dean of the Faculty of Civil Engineering and Geosciences*
 9:30 - 10:15 M.P. Paidoussis **Special Guest Lecture:** *The canonical problem of the fluid-conveying pipe and its radiation to other dynamics problems across applied mechanics*
 10:15 - 10:45 Coffee Break

Guillaume Corneille Session

Chairman: E. de Lange

10:45 - 11:10 M. Wiercigroch *Application of non-linear normal modes to vortex induced vibrations of risers*
 11:10 - 11:35 J.J. de Wilde *Sensitivity to in-line motions on forced oscillation VIV experiments*
 11:35 - 12:00 R. Ogink *An oscillator model with frequency dependent coefficients for the modelling of VIV*
 12:00 - 12:25 L. Cheng *Active control of flow-induced structural vibration of a flexible cylinder in a cross flow*
 12:30 - 14:00 Lunch *Buffet "Cambridge"*

Maarten van Heemskerck Session

Chairman: L. Fryba

14:00 - 14:25 H. Takemiya *Prediction and mitigation of environmental vibrations from high-speed train viaduct on soft ground*
 14:25 - 14:50 L. Auersch *Moving-load and reduction effects of tracks with and without isolation*
 14:50 - 15:15 H.G. Stuit *Design on the critical train velocity for the Zuiderzee line*
 15:15 - 15:40 R. Sieniawska *Identification of structure parameters applying moving load*
 15:40 - 16:10 Coffee Break

Jan Steen Session

Chairman: D.A. Indeitsev

16:10 - 16:35 A.V. Porubov *Improved description of longitudinal strain solitary waves*
 16:35 - 17:00 P. Sniady *Dynamic response of micro-periodic composite rods with uncertain parameters under moving load*
 17:00 - 17:25 S.N. Gavrilo *On the effective mass of a load moving in an elastic continuum*
 17:25 - 17:50 E.V. Shishkina *On propagation of the phase transition boundary along a bar*

Program: Wednesday 20 september**Rembrandt van Rijn Session**

Chairman: J.A. Wickert

9:00 - 9:45 I.I. Blekhman **Special Guest Lecture:** *Nonlinearly-elastic rods subjected to vibrations and waves; Dynamic materials and composites*
 9:45 - 10:10 M.P. Cartmell *On the dynamics of large tether and web structures in space*
 10:10 - 10:35 I. Ario *Structural stability of multi-folding structures with contact problem*
 10:35 - 11:10 Coffee Break

Anton Pieck Session

Chairman: M. Wiercigroch

11:10 - 11:35 J.A. Wickert *Vibration and guiding of moving media with edge weave imperfections*
 11:35 - 12:00 W.T. van Horssen *On the coupled torsional and vertical vibrations of a beam in a windfield*
 12:00 - 12:25 E.E. Lissenkova *A concept of wave propeller and its efficiency*
 12:30 - 14:00 Lunch *Buffet "Oriental"*

Jan Toorop Session

Chairman: M. Cartmell

14:00 - 14:25 A.S. Tijsseling *Skalak's extended theory of water hammer*
 14:25 - 14:50 A.K. Abramyan *Vibration of a cable in a fluid flow*
 14:50 - 15:15 L. Tang / M.P. Paidoussis *The influence of the wake on cantilevered plates in axial flow*
 15:15 - 15:40 J. Renard *Theoretical stationary response of a plate coupled with a liquid and run over by a high speed pressure front*
 15:40 - 16:10 Coffee Break

Jacob van Ruysdael Session

Chairman: L. Auersch

16:10 - 16:35 G. Lombaert *Numerical modelling of railway induced vibrations*
 16:35 - 17:00 A. Karlström *On the modelling of trenches as countermeasures to train induced ground vibrations*
 17:00 - 17:25 K. Müller *Nonlinear interaction between a moving SDOF-system and a plate elastically mounted on a tunnel*
 17:25 - 17:50 M.J.M.M. Steenbergen *Interface modelling in dynamic beam - half-space interaction*

18:45 Boat Tour

Program: Thursday 21 september

Vincent van Gogh Session

Chairman: M.P. Paidoussis

9:00 - 9:25	E. de Langre	<i>Local and global instabilities in long systems with fluid-structure interactions</i>
9:25 - 9:50	Y. Modarres-Sadeghi / M.P. Paidoussis	<i>Experimental study of the behaviour of slender flexible cylinders double clamped and subjected to axial flow</i>
9:50 - 10:15	G.L. Kuiper	<i>Experimental investigation of dynamic stability of a free hanging pipe conveying fluid</i>
10:15 - 10:40	M. Stangl	<i>An alternative approach for deriving the non-linear equations of motion of a pipe conveying fluid</i>
10:40 - 11:10	Coffee Break	

Frans Hals Session

Chairman: G. Müller

11:10 - 11:35	S. Gupta	<i>A numerical model for prediction of vibration from underground railways</i>
11:35 - 12:00	M. Shamalta	<i>A method of multiple reflections for modelling soil vibration induced by a train in tunnel</i>
12:00 - 12:25	X.C. Bian	<i>Vibration generated inside ground by underground railway passages</i>
12:30 - 14:00	Lunch	<i>Buffet "Berkeley"</i>

Willem de Kooning Session

Chairman: A.S. Tijsseling

14:00 - 14:25	L. Schouveiler	<i>On the flutter of a plate in axial flow</i>
14:25 - 14:50	O. Doaré	<i>The role of boundary conditions in the instability of one dimensional fluid-structure interaction systems</i>
14:50 - 15:15	E.L. Jansen	<i>Flutter analysis of laminated cylindrical shells in supersonic flow via analytical numerical methods</i>
15:15 - 15:40	C.V. Verhoosel	<i>Application of stochastic finite element methods to the flutter problem</i>
15:40 - 16:10	Coffee Break	

Hieronymus Bosch Session

Chairman: N.G. Stephen

16:10 - 16:35	D.A. Indeitsev	<i>Determination of inclusion oscillation amplitudes in long waveguides at action of moving loads</i>
16:35 - 17:00	A. Bodare / Chr. With	<i>Using a RSMV to predict track and ground vibrations</i>
17:00 - 17:25	V.I. Erofejev	<i>Modeling the interaction of ultrasonic elastic wave with vibration fields in solids with microstructure</i>
17:25 - 17:50	R.R. Pedersen	<i>Discontinuous modelling of dynamic crack propagation in concrete</i>

20:00 Conference Dinner

Program: Friday 22 september

Piet Mondriaan Session

Chairman: H. Takemiya

9:00 - 9:25	L. Fryba	<i>Suspended bridges subjected to moving loads and support motions due to earthquake</i>
9:25 - 9:50	D. Bryja	<i>Stability of highway suspension bridge under periodic stream of moving vehicles</i>
9:50 - 10:15	S.N. Verichev	<i>Chaotic dynamics of simple vibrational systems</i>
10:15 - 10:40	I.I. Ivanchenko	<i>Design of composite, long structures modeling railway tracks for moving loads</i>
10:40 - 11:10	Coffee Break	

Karel Appel Session

Chairman: G. Degrande

11:10 - 11:35	N.G. Stephen	<i>Recent research on Timoshenko beam theory</i>
11:35 - 12:00	J. Näpřstek	<i>Wave propagation in semi-infinite bar with correlated random imperfections of mass and elasticity module</i>
12:00 - 12:25	A.V. Metrikine	<i>Recent advances and unresolved problems of the theory of stability of long elastic structures under moving loads</i>
12:30 - 14:00	Lunch	<i>Buffet "Speciale"</i>

Herman Brood Session

Chairmen: J.S. Hoving/A.V. Metrikine

14:00 - 16:00	Round Table	<i>Open discussion and Closing Ceremony</i>
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