

ISEV2013



6th International Symposium on Environmental Vibration

8-10 November 2013, Shanghai, China

CONFERENCE PROGRAM

Organized by

Tongji University, China

Sponsored by

Natural Science Foundation of China

Zhejiang University, China

University of Illinois at Urbana-Champaign, USA

Southwest Jiaotong University, China

Beijing Jiaotong University, China

Supported by

Shanghai Guanglian Construction Development Co., Ltd., China

GERB (Qingdao) Vibration Control Co., Ltd., Qingdao, China

Earth Products China Ltd.



WELCOME MESSAGE

Dear friends and colleagues,

On behalf of the Sixth International Symposium on Environmental Vibration (ISEV2013) organizing committee, I am delighted to welcome you to participate in ISEV2013. The five previous in the series were successfully held in Hangzhou (2003), Okayama (2005), Taipei (2007), Beijing (2009) and Chengdu (2011). Tongji University is honored to host the ISEV2013.13.



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Organization

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Scientific Committee

Honorary chairmen



● Local Organizing Committee

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C.F. Zhao	F.Y. Liang	J.G. Qian	L.L. Zhang	Q.S. Chen	X. Liu	X.Y. Zhuang	Z.Y. Chen
C.Y. Zhou	G. Shi	J.G. Zheng	L.Z. Chen	R.X. Lou	X.C. Bian	Y.F. Gao	Z.Y. Yin

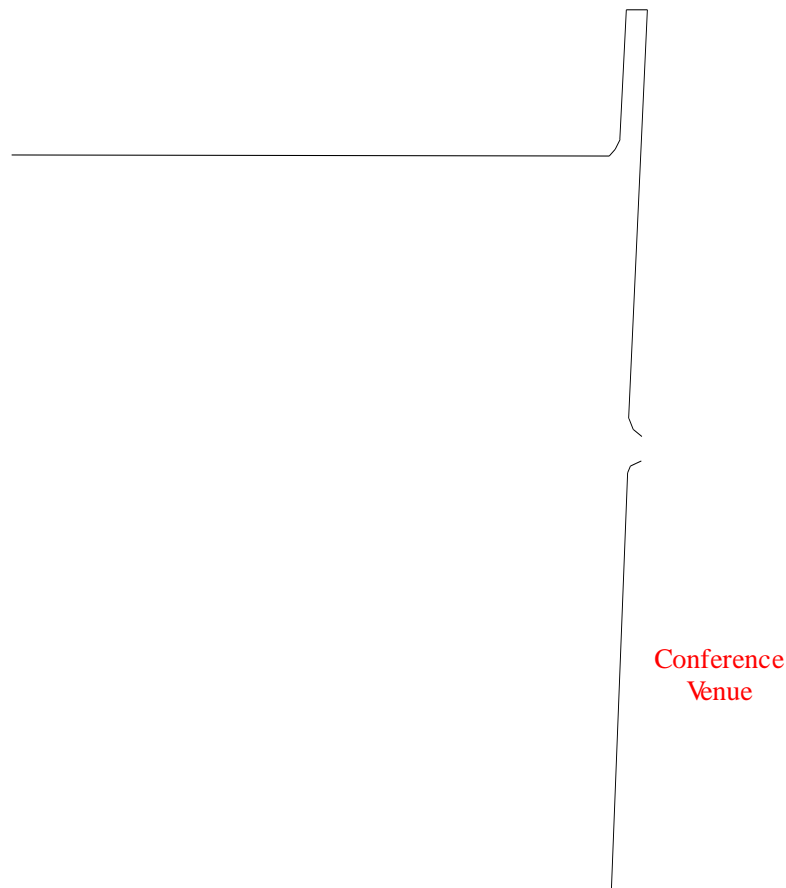
General Information

Venue

Tongji Architecture Design (Group) Co., Ltd. (TJAD) of Tongji University
1230, Siping Road, Shanghai, China

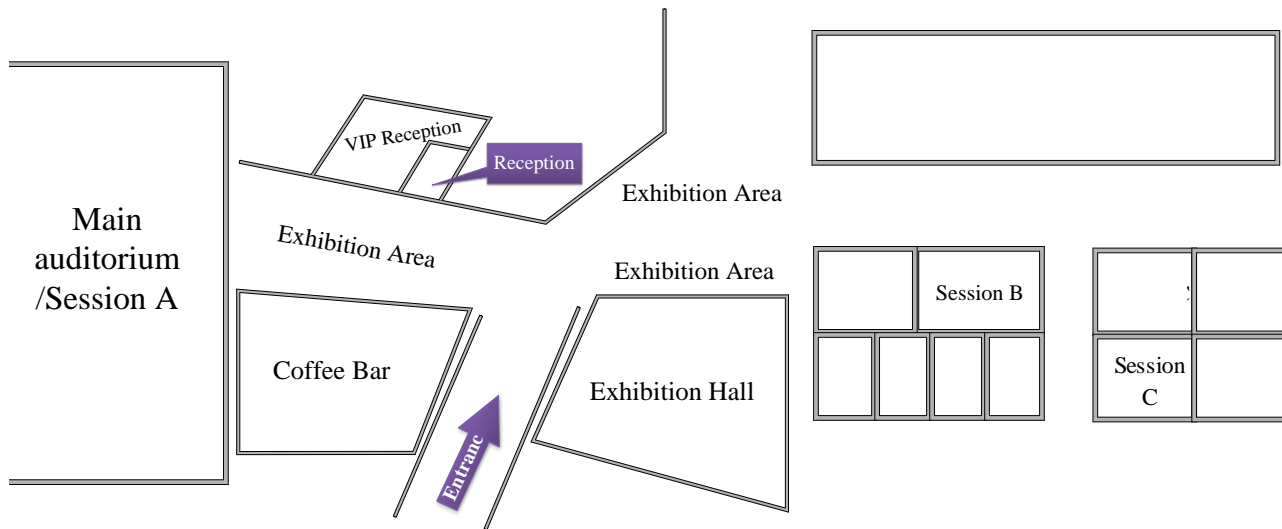


- 1 Jinjiang Magnolia Hotel
- 2 Kingswell Hotel
- 3 Tongji Guest House
- A Main gate of campus
- B TJAD(conference venue)





The Venue Layout



Transportation from airport or railway station to Tongji University

Pudong International Airport	Metro Line 2	70min	RMB 7	East Nanjing Rd	Metro Line 10	20min	Tongji University
Pudong International Airport	By taxi		RMB 150			90min	
Hongqiao International Airport	Metro Line 10		RMB 5			60min	
Hongqiao International Airport	By taxi		RMB 90			70min	
Shanghai Railway Station	No.115 817 515 Bus		RMB 2			45min	
Shanghai Railway Station	By taxi		RMB 40			30min	
Shanghai South Railway Station	Metro Line 3	50min	RMB 7	Chifeng Rd	No.115 817 515 Bus	20min	
Shanghai South Railway Station	By taxi		RMB 70			60min	

Registration & Information Desk

The registration point is at the entrance of Tongji Guest House.
Address: 69 zhangwu Road, Yangpu District, Shanghai.



Badges/tickets

Badges, meal and banquet can be collected from registration point.

Lunch & coffee breaks

Coffee, lunches, reception and banquet for November 9th to 10th are all included in the participant registration fees. The lunch service is from 12:00 to 13:30 at the canteen of Tongji Guest House.

Banquet & Dinner

Banquet & Dinner are all included in the participant registration fees. The services are from 19:00 to 21:00 at the canteen of Tongji Guest House.

Post office/ATM

The Post Office which is located opposite the Kingswell Hotel is open from 09:00-18:00. And you will find cash dispensing machines (ATM) near the post office.

Liability

The Organizing Committee cannot accept any responsibility for personal accidents or private property. Participants are advised to take out insurance as they consider necessary.

Useful Number

Police: 110/ Fire Emergency: 119/ Hospital: 120.

Emergency contacts

Dr. Xiaoqiang Gu	+86-139-1824-7471
Mr. Zhou Jiang	+86-188-1759-8439
Dr. Shijin Feng	+86-139-1721-4293
Dr. Fang Liu	+86-158-0213-0095



Program Overview

	Friday November 8	Saturday November 9	Sunday November 10	Monday November 11
ISEV2013: 6th International Symposium on Environmental Vibration Prediction, Monitoring, Mitigation and Evaluation November 8-10, 2013 Shanghai, China	All day registration	08:00–17:30 Registration	08:30–10:10 Parallel Sessions Session S3 Session S4	09:30–11:00 University Laboratory Tour
		08:00–08:30 Opening Ceremony		
		08:30–10:00 Keynote Lectures		
		10:00–10:30 Coffee Break	10:10–10:30 Coffee Break	
		10:30–12:00 Keynote Lectures	10:30–12:20 Parallel Sessions Session S3 Session S4	
		12:00–14:00 Lunch	12:20–14:00 Lunch	
		14:00–15:35 Parallel Sessions Session S1 Session S2	14:00–15:30 Keynote Lectures	
		15:35–16:00 Coffee Break	15:30–15:45 Coffee Break	
		16:00–18:05 Parallel Sessions Session S1 Session S2	15:45–17:45 Keynote Lectures	
			17:45–18:00 Closing Ceremony	
	19:00–21:00 Dinner	19:00–21:00 Banquet	19:00–21:00 Dinner	



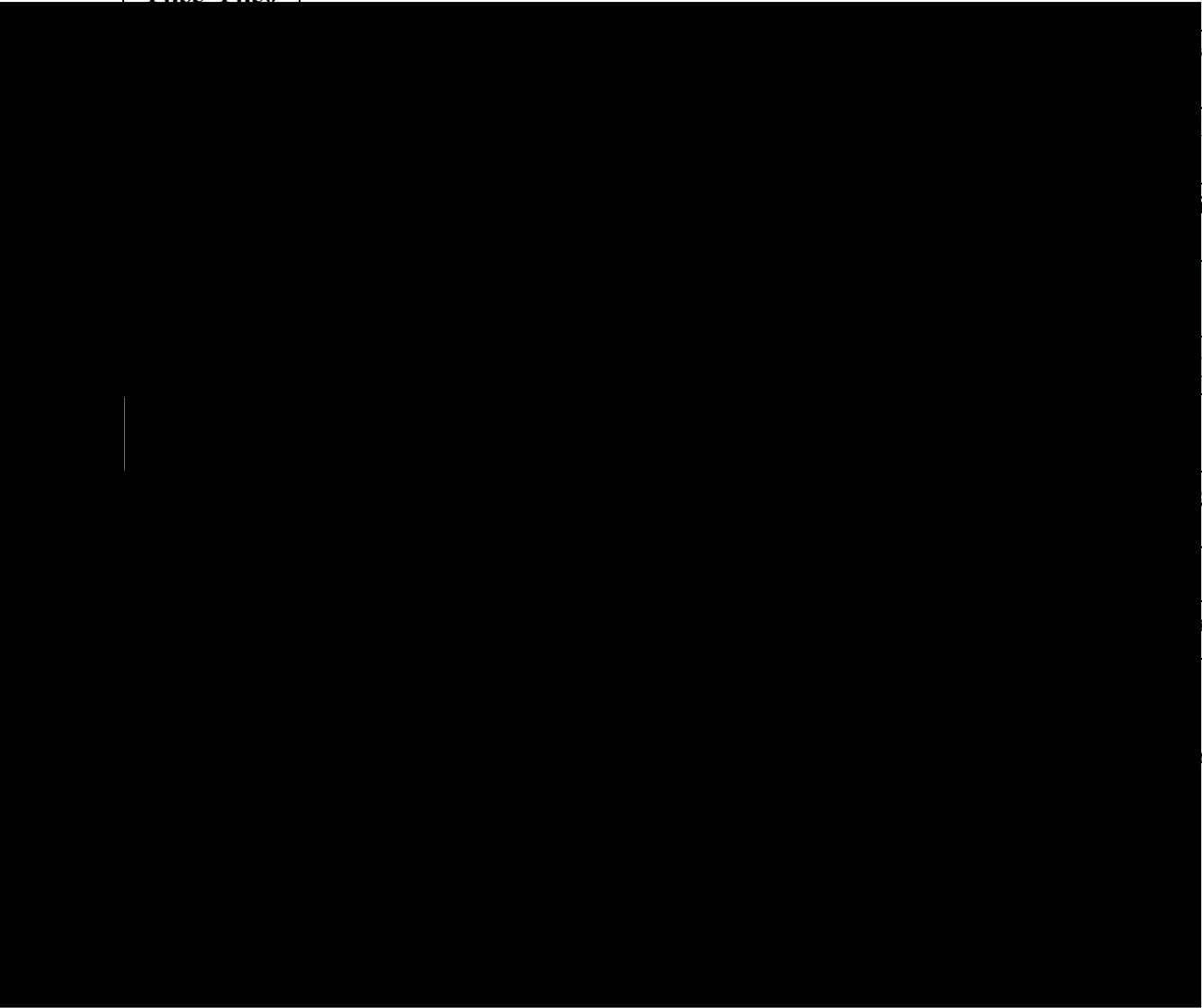
	<div data-bbox="513 286 1273 353" data-label="Section-Header"> <h1>ISEV2013 PROGRAMME</h1> </div> <div data-bbox="560 376 1220 427" data-label="Text"> <p><i>November 8-10, 2013 Shanghai, China</i></p> </div>
<div data-bbox="150 465 418 506" data-label="Text"> <p><i>November 8, Friday</i></p> </div>	
<div data-bbox="183 528 280 568" data-label="Text"> <p>All day</p> </div>	<div data-bbox="584 506 1198 591" data-label="Text"> <p>Registration (Dinner is offered by the organizing committee)</p> </div>
<div data-bbox="150 613 448 654" data-label="Text"> <p><i>November 9, Saturday</i></p> </div>	
<div data-bbox="150 676 311 716" data-label="Text"> <p>08:00–17:30</p> </div>	<div data-bbox="810 676 975 716" data-label="Text"> <p>Registration</p> </div>
<div data-bbox="571 757 983 882" data-label="Text"> <p>Keynote Lectures <i>08:00 12:0</i></p> </div>	



Parallel Sessions 14:00 18:05, November 9	
ROOM B	Session S1: Fundamental Theory and Simulation Method
14:00–15:35	Chairman: K. Hayakawa and W.Q. Ding
14:00–14:20 Invited	Influenced factor of site information on the environmental ground vibration Invited Authors: K. Hayakawa, K. Tanaka, S. Honda
14:20–14:35	Analysis of scattering wave field around a cavity with circular cross-section embedded in saturated soil // Authors: B. Xu, M.Q. Xu, Z.F. Xia
14:35–14:50	Optimal time-frequency distribution for analyzing non-stationary signal of ground vibration induced by subway // Authors: B. Zhang, G. Zong, W.B. Li and T.T. Shan
14:50–15:05	Grasp of vibration transfer characteristics from ground to residential house inside by using the developed exciting system for examination of environmental vibration Authors: S. Kunimatsu, Y. Kitamura, Y. Hirao and K. Ohta
15:05–15:20	Harmonic wave diminution and energy scatter in a planar domain with randomly inhomogeneous material density // Authors: J. Nájprstek, C. Fischer, J.D. Yau
15:20–15:35	Surface response analysis excited by an embedded moving load // Authors: T. Qian, M. Mao
15:35–16:00	Coffee Break
16:00–18:05	Chairman: P.A. Costa and X.Y. Xie
16:00–16:20 Invited	An efficient numerical model for the simulation of vibrations induced by railway traffic in tunnels // Invited Authors: P. Lopes, P.A. Costa, R. Calçada, and A.S. Cardoso
16:20–16:35	Study of vibration impact on historic buildings induced by subway trains in spatial overlapping tunnels // Authors: M. Ma, W.N. Liu, Y. Yuan, C.Y. Qian and G.H. Deng
16:35–16:50	Study on comparison of ground vibrations induced by metro in curved and straight sections // Authors: Y. Yuan, W.N. Liu, W. F. Liu, Z.Z. Wu and L.X. Ma
16:50–17:05	The influence of train load position on panel contribution to acoustic radiation of viaduct box-beam in high speed railway // Authors: X.A. Zhang, X.W. Yang, G.T. Shi and H.T. Sun
17:05–17:20	Theoretical solution for free vibration of simple-supported girder bridge with continuous deck slab // Authors: C.W. Zhan, Y. Ding, Q. Huang and X.F. Lin
17:20–17:35	Simulation of vibration of the track-embankment on rigid foundation due to moving load by using 2.5D finite element method // Authors: Q.S. Feng, L. Zhang
17:35–17:50	Three dimensional vibration effects of foundation induced by high-speed moving loads // Authors: F.C. Xue, J.M. Zhang
17:50–18:05	Numerical analysis of impact forces between a light truck and high-speed railway bridge pier // Authors: K.P Cui, H. Xia, S. Liu, Z.M. Hou
19:00–21:00	Banquet



Parallel Sessions 14:00 18:05, November 9	
ROOM C	<i>Session S2: Field Measurement and Evaluation of Environmental Vibrations</i>
14:00–15:35	Chairman: H. Huang and Y. Huang
14:00–14:20 Invited	An integrated approach to dynamic analysis of railroad track transitions behavior Invited Authors: <i>D. Mishra, Y. Qian, E. Tutumluer and H. Huang</i>
14:20–14:35	Field tests and analysis of vibration isolation on typical railway ground barriers Authors: <i>C.L. Sun, L. Gao, C.L. Sun</i>
14:35–14:50	Train-induced subgrade vibration level by field experiments
	ray load
	lway
	c tests
	.F. Ma
	g
	, C. Li





Parallel Sessions 08:30 12:20, November 10	
ROOM B	<i>Session S3: Structural Dynamics Modeling</i>
08:30–10:10	Chairman: X.C. Bian and W.N. Liu
08:30–08:50 Invited	3D reconstruction method to analyze and evaluation ballast gravels Invited Authors: <i>X.C. Bian, G.Y. Li</i>
08:50–09:10 Invited	Study on the analytical model of coupled vehicle and track with variable speeds Invited Authors: <i>K.F. Li, W.N. Liu, Z.W. Han and V. Markine</i>
09:10–09:25 09:25–09:40	Ground vibration analysis caused by China Railway High-speed with track geometric irregularities // Authors: <i>G.Q. Chen, G.Y. Gao, Q.S. Chen and C.B. Yang</i> Computer-visio



Parallel Sessions 08:30 12:20, November 10	
ROOM C	Session S4: Control and Mitigation Measures of Environmental Vibration
08:30–10:05	Chairman: W.P. Xie and J.G. Qian
08:30–08:50 Invited	Numerical simulation of the vibration isolation via a new type of pile structure: the linked pile row // Invited Authors: J.F. Lu, X. Zhang
08:50–09:05	In-situ test and numerical evaluation of active vibration isolation by WIB under horizontal excitations // Authors: G.Y. Gao, N. Li, S.Y. Li and J.G. Zheng
09:05–09:20	Innovative research and application of FST prefabricated slab Authors: J.L. Wang, G.F. Chen, J. Wang
09:20–09:35	Wave propagation in a concrete filled steel tube due to transient impact load Authors: X.M. Ding, Y.M. Fan, G.Q. Kong, C.J. Zheng
09:35–09:50	Three-dimensional analysis of active isolation by closed square open trenches using grid method Authors: H. Xiong, G.Y. Gao, H.Q. Zhang
09:50–10:05	Experimental study on vibration and sound radiation reduction of ring damping wheels // Authors: J. Han, X.B. Xiao, R.Q. Wang, X.S. Jin, X.J. Yin and X.L. Gao
10:05–10:30	Coffee Break
10:30–12:20	Chairman: J.F. Lu and G. Shi
10:30–10:50 Invited	2-D analysis of open trench as active barriers due to point load in saturated soil Invited Authors: G. Shi, G.Y. Gao, Y.C. Guo, T.H. Zhou
10:50–11:05	Study on ground vibration isolation by open trench in layered soils Authors: G.Y. Gao, H. Zhao, J. Song and C.B. Yang
11:05–11:20	Accumulative settlement of saturated silt subgrade under cyclic traffic-loading Authors: X. Xu, H.G. Jiang, X.C. Bian, Y.M. Chen
11:20–11:35	A resonance case of high-rise buildings and industrial machines // Authors: P. Zhao
11:35–11:50	Influence of traffic load-induced principal stress rotation on accumulative deformation and pore water pressure of soft clay // Authors: J.H. Xiao, S.Q. Xu, K. Wei
11:50–12:05	Damage detection of metro tunnel structure through cross cor



University Laboratory Tour

Gathering Place

We provide university laboratory tours for our participants at 9:30-11:00 on November 11. If you are interested, please gather at 09:00 at the gate of Tongji Guest House. The students will bring you to the laboratories and the staffs will provide brief introductions.

Schedule

Time	Sites	Coordinator
09:30 10:00	Shaking Table Laboratory	Dr. GU Xiaoqiang 20437601@qq.com
10:00 10:30	Geotechnical Centrifuge	Dr. GU Xiaoqiang 20437601@qq.com
10:30 11:00	Laboratory of Soil Dynamic	Dr. GU Xiaoqiang 20437601@qq.com

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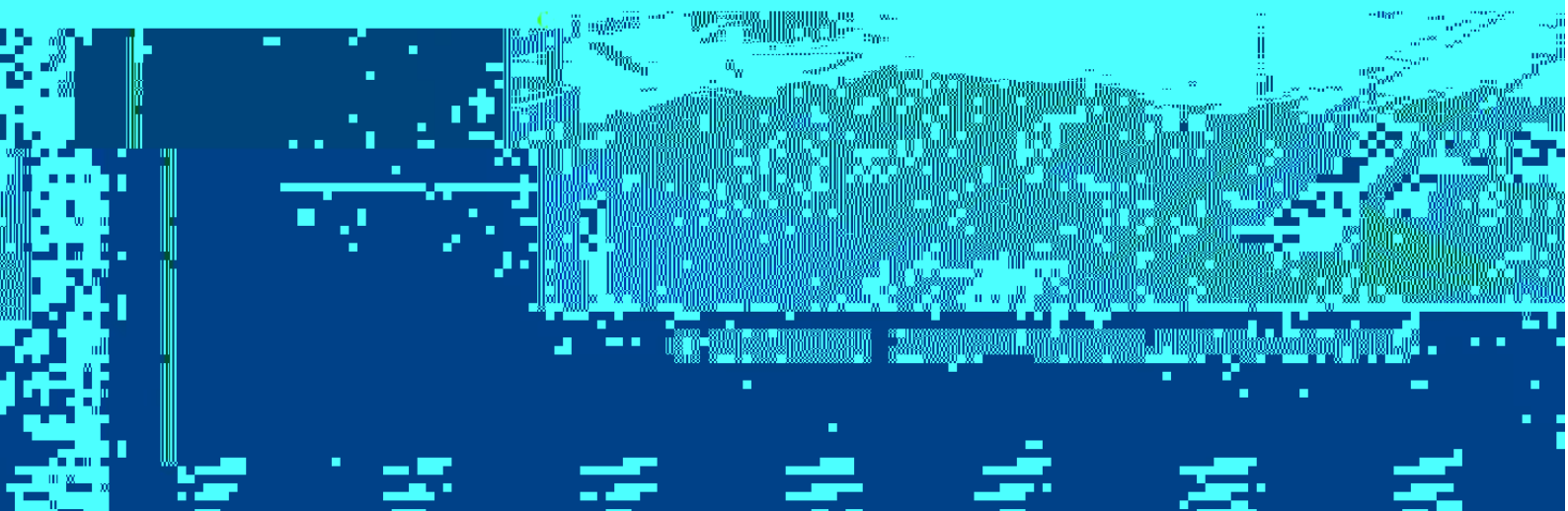
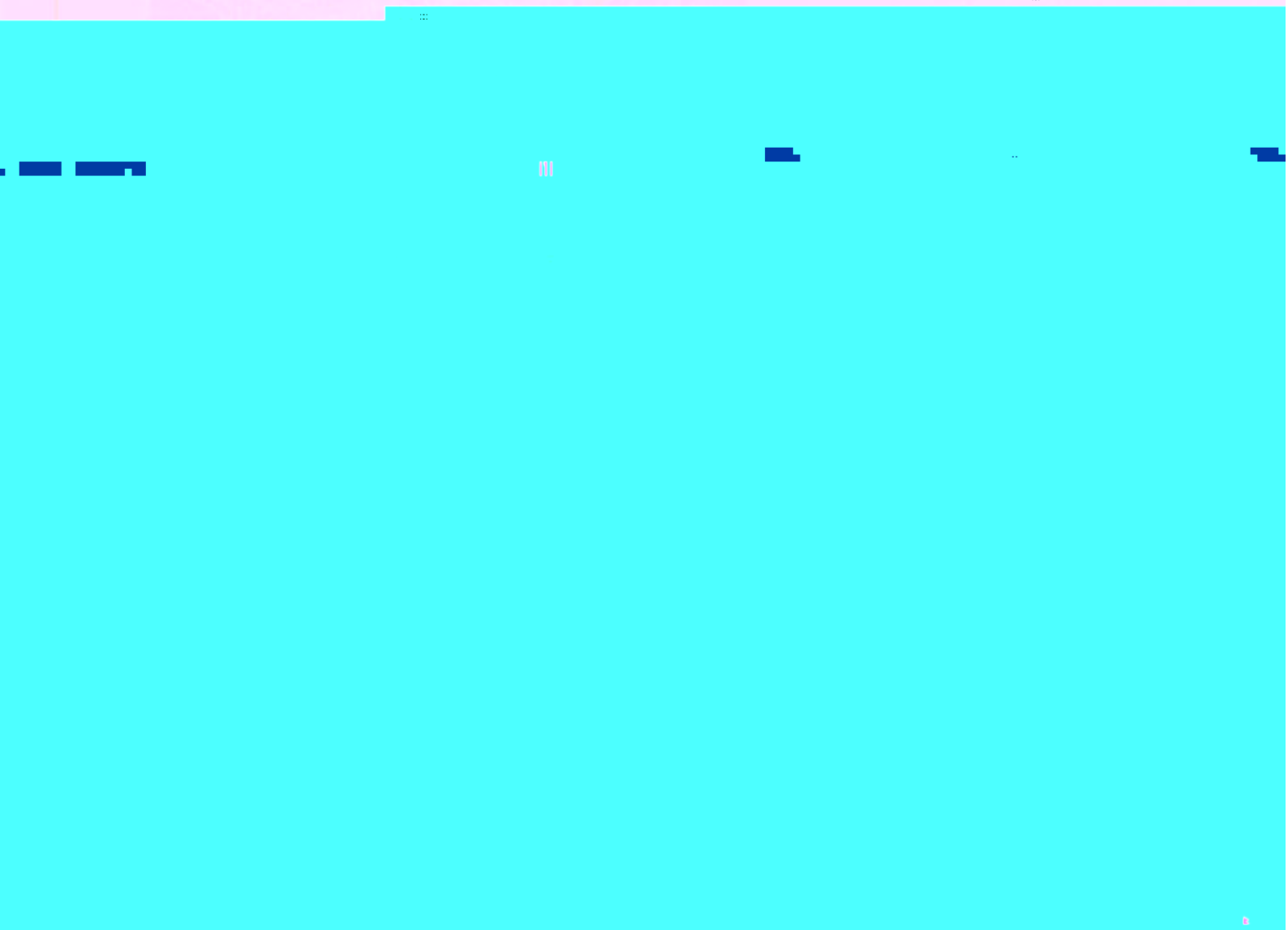


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ISEV 2013

6th

Nov. 8-10, 2013
Shanghai, China



International Symposium on Environmental Vibration

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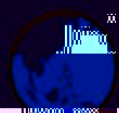
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