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02 Apr 1995, 1:00 pm - 6:00 pm

Conference Schedule

Multiple Authors

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THIRD INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN GEOTECHNICAL EARTHQUAKE ENGINEERING AND SOIL DYNAMICS ST. LOUIS, MISSOURI, USA April 2-7, 1995

CONFERENCE SCHEDULE

SUNDAY, APRIL 2, 19		6:00pm - 7:00pm	OPENING OF EXHIBITION	
1:00pm - 10:00pm	REGISTRATION-St. Louis Ballroom		OPENING OF POSTER SESSION	
2.00	Preconvene area (4th floor)		Poster Session A: I, II, III, IV & V	
3:00pm	ORGANIZING COMMITTEE MEETING	7:00рш - 9:00рш	RECEPTION - St. Louis Ballroom Preconvene Area	
5:00pm	RECEPTION-St. Louis Ballroom F	THECHAN ADDY A 1005		
MONDAY, APRIL 3,	1995	TUESDAY, APRIL 4, 1995 8:00am - 3:00pm REGISTRATION(cont.)		
8:00am - 5:00pm	REGISTRATION(cont.)	8:00am - 9:00am	SPL 6 - St. Louis Ballroom E	
8:30am - 9:30am	OPENING CEREMONIES-St. Louis Ballroom E	0.00am	CHAIRMAN: Ronald Salley, Shannon & Wilson	
	-Shamsher Prakash, Conference Chairman		LIQUEFACTION-INDUCED LATERAL GROUND	
	-R.W. Stephenson, Interm Chairman,		DISPLACEMENT	
	Civil Engineering Dept., UMR		T. Leslie Youd, Brigham Young University	
	-Robert Mitchel, Dean	9:00am - 10:00am	SPL 7	
	School of Engineering, UMR		CHAIRMAN: Mike Alizadeh, Geotechnology, Inc.	
	-Michele Jamiolkowski, President,		DYNAMIC SOIL PROPERTIES FROM	
	International Society of Soil Mechanics and Foundation Engineering		LABORATORY AND FIELD TESTS AND FROM	
	-Russell Harmon, Army Office of Research		BACK ARRAYS	
	ANNOUNCEMENTS	0.000	Michele Jamiolkowski, Studio Geotecnico Italiano	
9:30am - 6:00pm	STATE OF THE ART:	9:00am - 4:00pm 10:00am - 10:30am	SPOUSES PROGRAM - Director's Row 41	
	SPECIAL LECTURE SESSIONS (SPL)	10:30am - 12:00noon	COFFEE BREAK SESSION IA AND IV (SIMULTANEOUS)	
9:30am - 10:30am	SPL 3	10.30um - 12.0010011	IA. St. Louis Ballroom E	
	CHAIRMAN: Russell Harmon, Army Office of		STATIC AND DYNAMIC ENGINEERING SOIL	
	Research		PARAMETERS AND CONSTITUTIVE	
	THE EVOLUTION OF GEOTECHNICAL		RELATIONS OF SOILS	
	EARTHQUAKE ENGINEERING PRACTICE IN		CHAIRMAN: Adel S. Saada, Case Western Reserve	
	NORTH AMERICA: 1954-1994		University	
10.20 11.00	W.D. Liam Finn, University of British Columbia		CO-CHAIRMAN: Shiming Wu, China	
10:30am - 11:00	COFFEE BREAK SPOUSES PROGRAM-Directors Row 41		GENERAL REPORTER: Peter M. Byrne,	
11:00am - 5:00pm 11:00am - 12:00pm	SPL1		University of British Columbia, Canada	
11.00am - 12.00pm	CHAIRMAN: Jean H. Prevost, Princeton University		CO-REPORTERS: Li Yan(Canada), Ronald	
	DEFORMATION CHARACTERISTICS OF SOILS		Chaney(USA), Robert Henke(USA) and Soheil	
	AND SOFT ROCKS UNDER MONOTONIC AND	10:30am - 10:35am	Nazarian (USA) OPENING REMARKS - CHAIRMAN	
	CYCLIC LOADS & THEIR RELATIONS	10:35am - 10:55am	GENERAL REPORT	
	Fumio Tatsuoka, University of Tokyo	10:55am - 11:55am	DISCUSSION AND REPLIES	
12:00pm - 1:30pm	LUNCH BREAK	11:55am - 12:00noon	CLOSING REMARKS - CO-CHAIRMAN	
1:30pm - 2:30pm	SPL 2	10:30am - 12:00noon	IV. St. Louis Ballroom F-G	
	CHAIRMAN: Vlad Perlea, Corps. of Engineers,		DYNAMIC EARTH PRESSURES AND SEISMIC	
	Kansas City, MO		DESIGN OF EARTH RETAINING	
	LIQUEFACTION AND DEFORMATION OF SOILS		STRUCTURES	
	AND FOUNDATIONS UNDER SEISMIC CONDITIONS - Ricardo Dobry, R.P.I. Troy, NY		CHAIRMAN: Raj Siddharthan,	
2:30pm - 3:30pm	SPL 4		University of Nevada	
2.30pm - 3.30pm	CHAIRMAN: W.L. Durbin, Woodward-Clyde		CO-CHAIRMAN: Raj Siddharthan,	
	Consultants		University of Nevada	
	SEISMIC DESIGN OF PILE FOUNDATIONS:		GENERAL REPORTER: Farrokh Nadim,	
	STRUCTURAL AND GEOTECHNICAL ISSUES		Norwegian Geotechnical Institute, Norway CO-REPORTERS: Amir Kaynir(Norway), Shun-ichi	
	G.R. Martin, University of Southern California			
3:30pm - 4:00pm	COFFEE BREAK		Ihara(Japan), Alain Pecker(France), E. Arni Rafnsson(Iceland)	
4:00pm - 5:00pm	SPL 15	10:30am - 10:35am	OPENING REMARKS - CHAIRMAN	
	CHAIRMAN: A. Ghahrammani, Canterbury	10:35am - 10:55am	GENERAL REPORT	
	University, New Zealand	10:55am - 11:55am	DISCUSSION AND REPLIES	
	DYNAMIC SOIL PRESSURES ON WALLS	11:55am - 12:00noon	CLOSING REMARKS - CO-CHAIRMAN	
5.00	A.S. Veletsos, Rice University	12:00 - 1:30pm	LUNCH BREAK, VISIT EXHIBITION & POSTER	
5:00pm - 6:00pm	SPL 5		SESSION	
	CHAIRMAN: Robin Chowdhary, University of	1:30pm - 2:30pm	SESSIONS IB AND VIII (SIMULTANEOUS)	
	Wollongong, Australia DESIGN AND BEHAVIOR OF TAILINGS DAMS		IB: St. Louis Ballroom E	
	FOR SEISMIC CONDITIONS		CHAIRMAN: Bryan Skipp,	
	Jorge H. Troncoso, Universidad Catolica de Chile		Soil Mechanics Ltd., UK CO-CHAIRMAN: Shiming Wu, China	
			CO-CITATRIVIAIT. SIMILBING WW, CHINE	

GENERAL REPORTER Peter M. Bynn. Coopen 10.00pm				
CO. SEPCRITER: Lar Yand Changkal, Nonald Changy USA, Morel Heback USA, and Solid Natural COSA) Natural COS		·	6:00pm - 10:00pm	Set up Poster Session B: VI, VII, VIII, IX, X, XI,
Chapter 1.35pm 1.25pm				
1.35pm - 1.35pm 1.35pm 1.35pm 2.25pm 2				
1.35pm - 1.35pm 1.35pm 2.25pm 2		Chaney(USA), Robert Henke(USA) and Soheil		Geotechnical Earthquake Engineering of ISSMFE and
1-35pm - 2-25pm 2				Technical Committee TC-10 on Geophysical Site
1.55pm - 2.25pm DisCUSSION AND REPLIES	1:30pm - 1:35pm	OPENING REMARKS - CHAIRMAN		Characterization and other Committees
2.25pm 2.25pm CLOSING REMARKS - CO-CHAIRMAN WEDNESDAY, April 5, 1905 Solam 3:00pm So	-	DISCUSSION AND REPLIES	6:00pm	FREE EVENING
1-15pm - 2-25pm SEISMOLOGY: PREDICTING STRONG GROUND MOTION FOR DESIGN Seismon - 300pm Seismon			•	
SEISMOLOGY: PREDICTING STRONG GROUND MOTION FOR DESIGN. GROUND MOTION FOR DESIGN. GROUND MOTION FOR DESIGN. CHARMAN: Walter W. Hays, U.S. Geological COCHIARMAN: Bagher Mohammadioun, France GENERAL REPORTE: Bagher Mehammadioun, France CORRIGHTERS M.I. Todonovska(USA) and Z.P. CORRIGHTERS M. T. Todonovska(USA) CORRIGHTERS M. T. Todonovska(USA) CORRIGHTERS M. T. Todonovska(USA) CORRIGHTERS M. T. TODONOVSKA M. TODONOVSKA M. TODONOVSKA M. TODONOVSKA M. T. T. TODONOVSKA M. T. TODONOVSKA M. T.	• •		WEDNESDAY, April 5	, 1995
GROUND MOTION FOR DESIGN CHARMAN: Water W. Hays, U.S. Goological Survey, Virginia Survey, Virginia GROUND ALEPOTERS: Bagher Mohammadioun, Prance CO-REPORTERS: M.I. Tocknowledged Control of Control o			8:00am - 3:00pm	REGISTRATION(cont.)
CHARMAN: Walter W. Hays, U.S. Geological Survey, Virginals CO-CHARMAN: Bagher Mehammadioun, France GENERAL REPORTER: Bagher Mehammadioun, France GENERAL REPORTERS: Maryando (USA) and ZP. Lac(Ching) GENERAL REPORTERS: Maryando (USA) and ZP. Lac(Ching) GENERAL REPORTERS: Takej Kokubadoplayan) GENERAL REPORTERS: Maryando (USA) and Bagon Townshad, Nieue Envenie, Parde Univ. Sir Alexander Gibb & Partners Ltd., United Kingdom Co-GENERAL REPORTERS: Takej Kokubadoplayan) GENERAL REPORTERS: Takej Kokubadoplayan, Steve Karaer (USA), George M. S. Answirozol, Old Dominion Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and Bagon Townshadoplayan) GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Mehamet Celebi, U.S. Geological Survey, California, Davis, CA RECENTABLY Maryando (USA) and David Report Co-GENERAL REPORTER: Response Co-GENER			-	SPL8 - St. Louis Ballroom E
Sarvey, Virginia CO-CHARMAN: Bagber Mehammadioun, France GENERAL REPORTER: Major Maj				CHAIRMAN: K. Arulanandan, University of
CO-CHARMAN: Bagber Mohammadion, France GENERAL REPORTER: Bagber Mohammadion, France GENERAL REPORTERS 3. Replay Mohammadion, France GENERAL REPORTERS 4. Reporter GENERAL REPORTERS 4. Reporter GENERAL REPORTERS 4. Reporter GENERAL REPORTERS 4. Reporter GENERAL REPORTERS 4. Seedman, Str. GENERAL REPORTERS 5. Seedman, Str. GENERAL REPORTERS 4. Seedman, Str. GENERAL REPORTERS 4. Seedman, Str. GENERAL REPORTERS 5. Seed		:		
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Finance CO-REPORTERS. M.I. Todorovaka(USA) and Z.P. 9-00am - 10-00am				OF SEISMIC SHAKING
1:30pm - 1:35pm 1				Bruce Kutter, University of California, Davis, CA
1.33pm - 1.33pm Copening RMARKS - CHAIRMAN Copening RMARKS -			9:00am - 10:00am	· · · · · · · · · · · · · · · · · · ·
1-30pm - 1-33ppm OFENING REMARKS - CHAIRMAN CISSpm - 2-23ppm CISSpm 2-23ppm CISSpm 2-23ppm CISSpm 2-23ppm CISSpm 2-33ppm CISSPM REMARKS - CO-CHAIRMAN Sission Structure CILCASING REMARKS - CO-CHAIRMAN CICCASING REMARKS - CO-CHAIRMAN CICCASING REMARKS - CO-CHAIRMAN CICCASING REMARKS - COCHAIRMAN CICCASING REMARKS - COC			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
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1.55pm - 2:25pm DiSCUSSION AND REPLIES C225pm - 2:35pm CLOSING REMARKS - CO-CHAIRMAN SESSIONS IIA AND VIIA (SIMULTANEOUS) SESSIONS IIA AND REPLIES SESSIONS IIA AND REPLIES SESSIONS IIA AND REPLIES	•			
2.230pm - 3:30pm	•			
2.30pm - 3.30pm SESSIONS IA AND VIIA (SIMULTANEOUS) IIA. S. Louis Balthorne	•			
II.A. St. Louis Ballroom E MODEL TESTING IN CYCLIC LOADING CHARMAN: Minh Phong Luong, France CO-CHARMAN: A Minh Phong Luong, France CO-CHARMAN: Minh Phong Luong, France CHARMAN: Minh Phong Luong, India CO-CHARMAN: Minh Phong Luong, France CHARMAN: Minh Phong Luong, France CHARMAN: Minh Phong Luong, India CO-CHARMAN: Minh Phong Luong, India CO-CHARMAN: Minh Phong Luong, India CHARMAN: Minh Phong Luong, India CHARMAN				
MODEL TESTING IN CYCLIC LOADING 9:00am - 4:00pm 1:30am - 11:30am 1:30am 1:	2.30рш - 3.30рш	,	10.00am - 10.30am	
CHARMAN: Minh Phong Luong, France CO-CHARMAN: Minh Phong Luong, France CO-CHARMAN: Increase of the Partners Lid, Usited Kingdom CO-REPORTERS: Takeji Kokusho(Japan), Steve Kramer (USA), George MS., Manyando (USA) and Buo Towhata(Japan) OPENING REMARKS - CHAIRMAN 2.35pm - 3:30pm 2.30pm - 2:35pm 3.25pm DISCUSSION AND REPLIES CILA AMPLIFIC ATION D URING EARTHQUAKE AMCROZONATION CHARMAN: A. A. Navrouzi, Old Deminion CO-REPORTERS: Gustavo Rodolfo Saragoni(Chile), Pierr Vews Bard/France and Donald Egert(USA) 3.25pm - 2:35pm 3.00pm - 2:35pm 2.30pm - 2:35pm CO-REPORTERS: Gustavo Rodolfo Saragoni(Chile), Pierr Vews Bard/France and Donald Egert(USA) 3.25pm - 3:30pm CO-REPORTERS: Takeji Kokusho (Japan) OPENING REMARKS - CO-HAIRMAN 3.30pm - 4:00pm - 4:05pm 1.30pm 5:00pm 6 CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer (USA), George MS. Manyando(USA) and Buo Towhata(Japan) OPENING REMARKS - CO-HAIRMAN CO-CHAIRMAN: B.R. List, Cynerude Canada Ltd., Canada CO-CHAIRMAN: B.R. List, Cynerude Canada Ltd., CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer (USA), George MS. Manyando(USA) and Buo Towhata(Japan) OPENING REMARKS - CO-CHAIRMAN VIIB, S. Louis Ballroom F-G CHAIRMAN: Bircle Ms. Manyando(USA) and Buo Towhata(Japan) OPENING REMARKS - CO-CHAIRMAN CO-CHAIRMAN: Pierre Yves Bard, France GENERAL REPORTER: Mehmet Celebi (USA) CO-REPORTERS: Gustavo Rodolfo Sangoni(Chile), Pierr Veves Bard/France and Donald Egert(USA) OPENING REMARKS - CO-CHAIRMAN OPENING REMARK		_		
CO-CHAIRMAN: Vince Drawtich, Parulae Univ. GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ltd., United Kingdom CO-REPORTERS: Takeji Korkshoft/apan), Steve Kramer (USA), George M.S. Manyando (USA) and Ikuu Towhata(Japan) GENERAL REPORTE 2:35pm - 3:30pm 3:00pm - 3:25pm 3:00pm - 3:25pm 3:00pm - 3:25pm 3:00pm - 3:30pm CLOSING REMARKS - CHAIRMAN CO-CHAIRMAN: M.S. A. Nawroozi, Old Dominion University, Virginia CO-CHAIRMAN: Ener-Eves Bard, France GENERAL REPORTE: Mehmet Celebi, U.S. Geological Survey, California (Co-REPORTERS: Gustaro Rodolfo Sargoni(Chie), Pierre Ves Bard(France) CHAIRMAN: GENERAL REPORT GENERAL REPORTE 2:35pm - 3:30pm 3:25pm - 3:30pm 3:25pm - 3:30pm 0FENING REMARKS - CHAIRMAN CO-REDRERS Gustaro Rodolfo Sargoni(Chie), Co-REPORTERS: Lot, U.X. GENERAL REPORTE CHAIRMAN: Ener-Eves Bard(France) GENERAL REPORTE CHAIRMAN: GENERAL REPORT BISCUSSION AND REPLIES CHAIRMAN: GENERAL REPORT DISCUSSION AND REPLIES CLOSING REMARKS - CHAIRMAN CO-REMARKS - CHAIRMAN CO-REMARKS - CHAIRMAN GENERAL REPORTER R.S. Steedman, Sir Alexander Gibb & Partners Ltd., U.X. Canada CO-CHAIRMAN: GENERAL REPORTE CHAIRMAN: B.R. List, Cyncrude Canada Ltd., Canada CO-CHAIRMAN: GENERAL REPORTE CHAIRMAN: GENER			• • • • • • • • • • • • • • • • • • •	
GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ltd., United Kingdom CO-REPORTERS: Takeji Kokushodapan), Steve Kramer (USA), George M.S. Manyando (USA) and Buo Towhaat(apan) 2:35pm - 3:30pm OPENING REMARKS - CHAIRMAN 2:35pm - 3:30pm CIUSISION AND REPLIES CIUSISION AND REPLIES CO-REPORTERS: MERCONDOM CO-REPORTERS: Gustaro Rodolfo Saraponi(Chie), Pierre Yees Bard, France CHAIRMAN: L.S. Louis Ballroom E-CHAIRMAN 2:30pm - 2:35pm OPENING REMARKS - CHAIRMAN CO-REPORTERS: Gustaro Rodolfo Saraponi(Chie), Pierre Yees Bard, Eneros and Donald Eggert (USA) 3:25pm - 3:30pm DISCUSSION AND REPLIES 1:50am - 12:10pm Time Time Time Time Time Time Time Tim			10:30am - 11:30am	
Alexander Gibb & Partners Ltd., United Kingdom CO-REPORTERS: Takeji Kokubaholgapan, Steve Kramer (USA), George M.S. Manyando (USA) and Rux Towhanda(Japan) 2:30pm - 2:35pm 3:00pm 3:25pm 3:30pm OPENING REMARKS - CHAIRMAN 2:30pm - 3:25pm DISCUSSION AND REPLIES 3:01 A MP LIFIC ATION D URING EARTHQUAKE & MICROZONATION CHAIRMAN: A. Nawroozi, Old Dominion University, Vignia CO-CHAIRMAN: Pierre-Yves Bard, France GENERAL REPORTER: Mehmet Celebi, U.S. Geological Survey, California CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Veve Bard/France and Donald Eggert(USA) OPENING REMARKS - CO-CHAIRMAN 2:35pm - 3:30pm 3:05pm - 3:25pm 3:05pm - 4:00pm 4:00pm - 4:05pm 4:05pm - 4:55pm Accorder of the Remarks - CO-CHAIRMAN CO-CHAIRMAN: Briters - Ltd., U.K. CO-CHAIRMAN: Briters - Ltd., U.K. CO-CHAIRMAN: Michele Maugeri, University of California CO-CHAIRMAN: Michele Maugeri, University of California, Defense CO-CHAIR		· · · · · · · · · · · · · · · · · · ·		,,
CO-REPORTERS: Takeji Kokushodapan), Steve Kramer (USA), Goorge M.S. Manyando (USA) and Buo Towhand/apan)				
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3:00pm - 3:25pm 3:30pm DISCUSSION AND REPLIES			11:30am - 12:10pm	
2:30pm - 3:30pm VII. S. Louis Ballroom F-G S O IL AM PLIFICATION DURING EARTHQUAKE & MICROZONATION CHAIRMAN: A. A. Nawroozi, Old Dominion University, Virginia CO-CHAIRMAN: Pierre-Yves Bard, France GENERAL REPORTER: Mehmet Celebi, U.S. Geological Survey, California CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(france) and Donald Eggert(USA) 2:30pm - 2:35pm 3:30pm 3:25pm - 3:30pm 3:25pm - 3:30pm 3:25pm - 3:30pm 3:20pm - 3:35pm DISCUSSION AND REPLIES CHAIRMAN: B.R. List, Cyncrude Canada Ltd., Canada CO-CHAIRMAN: GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ltd., U.K. CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer(USA), Googe M.S. Manyando(USA) and Ikuo Towhata(Japan) 4:00pm - 4:05pm 4:00pm - 4:05pm 4:00pm - 4:05pm 0PENING REMARKS - CO-CHAIRMAN CO-CHAIRMAN: Michele Maugeri, University of Catain, Italy CO-CREPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) OPENING REMARKS - CHAIRMAN University Of Catain, Italy CO-CHAIRMAN: Michele Maugeri, University of Catain, Italy CO-CHAIRMAN: Michele Maugeri, University of Catain, Italy CO-CHAIRMAN: Michele Maugeri, University of Catain, Italy CO-CREPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) OPENING REMARKS - CHAIRMAN University Of Chairman, Michele Maugeri, University of Catain, Italy CO-CHAIRMAN: Michele Maugeri, University of Catain, Italy CO-CREPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) OPENING REMARKS - CHAIRMAN University Organical Catain				•
VII.A., St. Louis Ballroom F-G			11 20 11 50	
SOIL AMPLIFICATION DURING EARTHQUIAKE & MICROZOMATION CHAIRMAN: A. A. Nawroozi, Old Dominion University, Virginia CO-CHAIRMAN: Fierre-Yves Bard, France GENERAL REPORTER: Mehmet Celebi, U.S. Geological Survey, California CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Vres Bard(France) and Donald Eggert(USA) 2:30pm - 2:35pm 3:25pm 3:30pm 3:25pm 3:30pm 3:25pm 3:30pm 3:25pm 3:30pm CO-REPORTERS: CO-CHAIRMAN CO-PEERS EARS CO-CHAIRMAN: Birt Park CO-CHAIRMAN: Birt Park CO-CHAIRMAN: Pierre Yves Bard, France GENERAL REPORT CHAIRMAN: Birt Park CO-REPORTERS: Co-CHAIRMAN CO-REPORTERS: R. S. Steedman, Sir Alexander Gibb & Partners Ltd., U.K. CO-REPORTERS: Lakeji Kokusho (Japan), Steve Kramer(USA), George M.S. Manyando(USA) and Ikuo Towbata(Japan) 4:00pm - 4:05pm Alexander Shoop CHAIRMAN: DISCUSSION AND REPLIES CHAIRMAN:			11:30am - 11:30am	
EARTHQUAKE & MICROZONATION CHARMAN: A. A. Nawroozi, Old Dominion University, Virginia CO-CHAIRMAN: Pierre-Yves Bard, France GENERAL REPORTER: Mehmet Celebi, U.S. Geological Survey, California CO-EPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) 2:30pm - 2:35pm 3:00pm OPENING REMARKS - CHAIRMAN 3:00pm - 3:30pm DISCUSSION AND REPLIES CHAIRMAN: B. R. List, Cyncrude Canada Ltd., Canada CO-CHAIRMAN: B. R. List, Cyncrude Canada Ltd., Canada CO-CHAIRMAN: George M.S. Manyando(USA) and Iku Towbald/apan) 4:00pm - 4:05pm OPENING REMARKS - CHAIRMAN 4:00pm - 5:00pm OPENING REMARKS - CHAIRMAN 4:00pm - 5:00pm OPENING REMARKS - CHAIRMAN 4:00pm - 5:00pm OPENING REMARKS - CHAIRMAN 4:00pm - 4:05pm OPENING REMARKS - CHAIRMAN 4:00pm - 3:00pm OPENING REMARKS - CHAIRMAN 4:00pm - 4:05pm OPENING REMARKS - CHAIRMAN 4:00pm - 4:05pm OPENING REMARKS - CHAIRMAN 4:00pm - 4:05pm OPENING REMARKS - CHAIRMAN 4:00pm - 3:00pm OPENING REMARKS - CHAIRMAN 4:00pm - 3:00pm	2:30pm - 3:30pm			
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University, Virginia CO-CHAIRMAN: Pierre-Yves Bard, France GENERAL REPORTER: Mehmet Celebi, U.S. Geological Survey, California CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Egger(USA) 12:10pm - 1:30pm POSTER SESSIONS 1:30pm - 3:30pm POSTER SESSIONS POSTER SESSIONS SESSIONS V AND XI (SIMULTANEOUS) SESSIONS V AND XI (SIMULTANEOUS) V. St. Louis Ballroom E CHAIRMAN: GENERAL REPORT CO-CHAIRMAN: GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ldd., U.K. Canada CO-CHAIRMAN: GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ldd., U.K. CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer(USA), George M.S. Manyando(USA) and Iku Towhataldapan) 4:00pm - 4:05pm 4:00pm - 5:00pm QPENING REMARKS - CHAIRMAN VIIB. \$\St. Luis Ballroom F-G CHAIRMAN: Michele Maugeri, University of Catania, Italy CO-CHAIRMAN: Mic			11.50am - 12.10pm	
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Canada CO-CHAIRMAN: GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ltd., U.K. CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer(USA), George M.S. Manyando(USA) and Ikuo Towhata(Japan) 4:00pm - 4:05pm 4:00pm - 5:00pm VIIB. M. Louis Ballroom F-G CAtania, Italy CO-CHAIRMAN: Pierre Yves Bard, France GENERAL REPORTER: Mehmet Celebi (USA) CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) 4:00pm - 4:05pm 4:00pm - 4:05pm DISCUSSION AND REPLIES CO-CHAIRMAN: Pierre Seasting France GENERAL REPORTER: K. Rainer Massarsch, Geo Engineering A.B., Sweden CO-REPORTERS: S. Savidis (Germany), T. Kobori(Japan), Alex Sy(Canada), E.J. Luco(USA) OPENING REMARKS - CHAIRMAN GENERAL REPORT DISCUSSION AND REPLIES CO-CHAIRMAN SIZOpm - 3:25pm DISCUSSION AND REPLIES CLOSING REMARKS - CO-CHAIRMAN CO-ENGINEERING VIBRATIONS AND SOLUTIONS CHAIRMAN: Peter Middendorp, TNO Building & Construction, The Netheralands CO-CHAIRMAN: H. Ohtsuka, Public Works Research Institute, Japan GENERAL REPORTER: K. Rainer Massarsch, Geo Engineering A.B., Sweden CO-REPORTERS: Gustaro Rodolfo Saragoni(Chile), Pierre Yves Bard(France) and Donald Eggert(USA) 4:00pm - 4:05pm DISCUSSION AND REPLIES DISCUSSION AND REPLIES CO-CHAIRMAN CO-REPORTERS: Co-CHAIRMAN CO-REPORTE				•
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GENERAL REPORTER: R.S. Steedman, Sir Alexander Gibb & Partners Ltd., U.K. CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer(USA), George M.S. Manyando(USA) and Ikuo Towhata(Japan) 4:00pm - 4:05pm 4:05pm 4:05pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 4:05pm 4:05pm 4:05pm 4:05pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 4:05pm 4:05pm 4:05pm 4:00pm 5:00pm 4:00pm - 4:05pm 4:00pm - 5:00pm 5:00pm 4:00pm - 3:00pm 4:0				* ***
Alexander Gibb & Partners Ltd., U.K. CO-REPORTERS: Takeji Kokusho (Japan), Steve Kramer(USA), George M.S. Manyando(USA) and Ikuo Towhata(Japan) 4:00pm - 4:05pm 4:05pm - 4:55pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 4:05pm 4:00pm - 4:05pm 4:00pm - 4:05pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 5:00pm 4:00pm - 4:05pm 4:00pm - 5:00pm 4:00pm - 6:00pm 4:00pm - 4:05pm 4:00pm - 6:00pm 4:00pm - 6:00p			1.20 1.25	
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Ikuo Towhata(Japan) 1:30pm - 3:30pm XI. St. Louis Baltroom F-G		CO-REPORTERS: Takeji Kokusho (Japan), Steve		
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3:3Upm - 4:0Upm COFFEE BREAK	5:00pm - 6:00pm	VISIT EXHIBITION AND POSTER SESSION		
			3:30pm - 4:00pm	CUFFEE BREAK

4:00pm - 5:30pm	INVITED TALKS	10:30am - 12:30pm	SESSIONS III AND XII (SIMULTANEOUS)
-	CHAIRMAN: R.W. Stephenson, University of		III. St. Louis Ballroom E
	Missouri-Rolla, MO		LIQUEFACTION AND GROUND FAILURE
4:00pm - 4:20pm	INVLE03		CHAIRMAN: C.K. Shen, Hong Kong University of
	ANALYSIS AND MITIGATION OF EARTHQUAKE		Science and Technology, Hong Kong
	TRIGGERED LANDSLIDE HAZARD		CO-CHAIRMAN: Ganzalo V. Castro, GEI
	Hormoz Modaressi, BRGM, France		Consultants, Inc., Winchester, MA
4:20pm - 4:40pm	INVLE05		GENERAL REPORTER: Susumu Iai, Port &
	WORLDWIDE ADVANCES IN SEISMIC ZONATION		Harbour Research Institute, Japan
4.40 5.00	Walter W. Hays, U.S. Geological Survey		CO-REPORTERS: R.H. Ledbetter(USA), Susumu
4:40pm - 5:00pm	INVLE04		Yasuda (Japan), Brian Skipp (Great Britain), Ludwig
	NATIONAL GEOTECHNICAL	10.20 10.25	Figueroa(USA) and K.K. Muraleetharan(USA)
	EXPERIMENTATION SITES	10:30am - 10:35am	OPENING REMARKS - CHAIRMAN
F.00 C.20	R.D. Woods, Univ. of Michigan, Ann Arbor, MI	10:35am - 11:00am	GENERAL REPORT
5:00pm - 6:30pm	DINNER BREAK	11:00am - 12:25pm	DISCUSSION AND REPLIES
6:30pm - 10:00pm	SESSION XIV. St. Louis Ballroom E	12:25pm - 12:30pm	CLOSING REMARKS - CO-CHAIRMAN
	NORTHRIDGE EARTHQUAKE, JANUARY 17,	10:30am - 12:30pm	XII. St. Louis Ballroom F-G
	1994;KOBE EARTHQUAKE, JANUARY 16, 1995		MACHINE FOUNDATIONS AND MODEL
	CHAIRMAN: Les T. Youd, Brigham Young		TESTING
	University, Utah		CHAIRMAN: R.D. Woods, The University of
	CO-CHAIRMAN: Ikuo Towhata, Japan		Michigan, Ann Arbor, MI
	GENERAL REPORTER: Gregory L. Hempen, U.S.		CO-CHAIRMAN:
	Corps of Engineers, St. Louis, MO		GENERAL REPORTER: Vijay K. Puri, Southern
	CO-REPORTER: Dave Huffman(USA)		Illinois University, Carbondale, IL
			CO-REPORTERS: Toyoaki Nagami(USA) and Amir
	INVITED TALKS		Kaynia (Norway)
6:30pm - 6:45pm	Dr. Tej Pradhan (Japan)	10:30am - 10:35am	OPENING REMARKS - CHAIRMAN
	ACCELERATION DISTRIBUTION AND FAULT	10:35am - 11:00am	GENERAL REPORT
- 15	RELATIONSHIPS DURING KOBE EARTHQUAKE	11:00am - 12:25pm	DISCUSSION AND REPLIES
6:45pm - 7:00pm	Dr. T. Kokusho (Japan)	12:25pm - 12:30pm	CLOSING REMARKS - CO-CHAIRMAN
	SOIL AMPLIFICATION IN KOBE EARTHQUAKE	12:30pm - 1:30pm	LUNCH BREAK/VISIT EXHIBITION AND
7:00pm - 7:15pm	Professor F. Tatsuoka (Japan)		POSTER SESSIONS
7.15 7.20	DAMAGE TO RAILWAY STRUCTURE	1:30pm - 3:00pm	SESSIONS VIA AND X (SIMULTANEOUS)
7:15pm - 7:30pm	Dr. S. Iai (Japan)		VIA. St. Louis Ballroom E
	GROUND MOTION AND SEISMIC EFFECTS TO		STABILITY OF SLOPES AND EARTH DAMS
7.00 7.45	PORT AND HARBOR FACILITIES		UNDER EARTHQUAKES
7:30pm - 7:45pm	Professor Leslie Youd (USA)		CHAIRMAN: William F. Marcuson, III, U.S. Army
7.45 0.00	OVERVIEW OF KOBE EARTHQUAKE (I)		Corps of Engineers, Vicksburg, MS
7:45pm - 8:00pm	Professor I. Towhata (Japan)		CO-CHAIRMAN: Jorge H. Troncoso, Univ.
0.00	LIQUEFACTION IN KOBE EARTHQUAKE		Catolica de Chile, Santiago, Chile
8:00pm - 8:15pm	Professor Y. Sugimura (Japan)		GENERAL REPORTER: Pedro S. Seco e Pinto,
	DAMAGE TO BUILDINGS DURING KOBE		Laboratorio Nacional de Engenharia Civil, Portugal
0.15	EARTHQUAKE		CO-REPORTERS: Panos C. Dakoulas(USA), Leslie
8:15pm - 8:30pm	Professor H. Watanabe (Japan)		Harder (USA), Hiroyuki Watanabe(Japan) and Ashok
	DAMAGE TO BUILDINGS DURING KOBE		Chugh(USA)
	EARTHQUAKE	1:30pm - 1:35pm	OPENING REMARKS - CHAIRMAN
8:30pm - 8:45pm	Professor T.D. O'Rourke (USA)	1:35pm - 2:05pm	GENERAL REPORT
	DAMAGE TO BURIED LIFELINES DURING	2:05pm - 2:55pm	DISCUSSION AND REPLIES
0.45	KOBE EARTHQUAKE	2:55pm - 3:00pm	CLOSING REMARKS - CO-CHAIRMAN
8:45pm - 9:00pm	Dr. W.D. Liam Finn (Canada)	1:30pm - 3:00pm	X. St. Louis Ballroom F-G
0.00	OVERVIEW OF KOBE EARTHQUAKE (II)		WAVE PROPAGATION IN SOILS
9:00pm - 9:15pm	COFFEE BREAK		CHAIRMAN: Michele Maugeri, University of
9:15pm - 9:20pm	OPENING REMARKS - CHAIRMAN		Catania, Italy
9:20pm - 9:35pm	GENERAL REPORT		CO-CHAIRMAN:
9:35pm - 10:25pm	DISCUSSION AND REPLIES		GENERAL REPORTER: Jose M. Roesset,
10:25pm- 10:30pm	CLOSING REMARKS - CO-CHAIRMAN		University of Texas, Austin, TX
THURSDAY And C	1005		CO-REPORTERS: Guillermo Santana(Costa Rica)
THURSDAY, April 6,			and Ignacio Sanchez-Salinero(Spain)
8:00am - 3:00pm	REGISTRATION (cont.)	1:30pm - 1:35pm	OPENING REMARKS - CHAIRMAN
8:00am - 9:00am	SPL 11 - St. Louis Ballroom E	1:35pm - 2:05pm	GENERAL REPORT
	CHAIRMAN: K.N. Murthy, Parsons	2:05pm - 2:55pm	DISCUSSION AND REPLIES
	Brinkerhoff/DMJM, Los Angeles, CA	2:55pm - 3:00pm	CLOSING REMARKS - CO-CHAIRMAN
	WAVE PROPAGATION IN THE GROUND AND	3:00pm - 3:30pm	COFFEE BREAK
	ISOLATION MEASURES	3:30pm - 5:00pm	SESSION VIB
0.00 +0.00	Wolfgang Haupt, Landesgewerbeanstalt, Germany		VIB. St. Louis Ballroom E
9:00am - 10:00am	SPL 12		CHAIRMAN: William F. Marcusson III, U.S.
	CHAIRMAN: Joseph Koester, U.S. Corps of		Corps of Engineers, Vicksburg, MS
	Engineers, Vicksburg, MS		CO-CHAIRMAN: Jorge H. Troncoso, Univ.
	LESSONS LEARNED FROM LIQUEFACTION AND		Catolica de Chile, Santiago, Chile
	LIFELINE PERFORMANCE DURING SAN		GENERAL REPORTER: Pedro S. Seco e Pinto
	FRANCISCO EARTHQUAKES		CO-REPORTERS: Panos C. Dakoulas(USA), Leslie
10.00 10:20	Thomas D. O'Rourke, Cornell Univ., Ithaca, NY		Harder (USA), Hiroyuki Watanabe(Japan) and Ashok
10:00am - 10:30am	COFFEE BREAK		Chugh(USA)

OPENING REMARKS - CHAIRMAN 3:30pm - 3:35pm 3:35pm - 4:55pm DISCUSSION AND REPLIES 4:55pm - 5:00pm CONCLUDING REMARKS - CO-CHAIRMAN 5:00pm - 6:00pm VISIT EXHIBITION/POSTER SESSION/FILMS 6:00pm - 7:00pm CASH BAR - St. Louis Ballroom, Preconvene Area 7:00pm - Midnight BANQUET/SPEECHES - St. Louis Ballroom E FRIDAY, April 7, 1995 8:00am - 10:00am REGISTRATION (cont.) 8:00am - 9:00am CHAIRMAN: John M. Ferrito, Department of the Navy, Port Hueneme, CA CLAY BEHAVIOR, GROUND RESPONSE AND SOIL STRUCTURE INTERACTION STUDIES IN MEXICO CITY - Miguel P. Romo, Ciudad Universitaria, Mexico 9:00am - 10:00am SPL 14 CHAIRMAN: Hari Sharma, Emcon Associates, San Jose, CA STABILITY OF LANDFILLS UNDER SEISMIC **CONDITIONS** Edward Kavazanjian, Jr., GeoSyntec Consultants, Huntington Beach, CA and Don Anderson, CH2M Hill, Bellevue, WA 10:00am - 10:30am **COFFEE BREAK** 10:30am - 11:30 SESSION IX IX. St. Louis Ballroom E GEOTECHNICAL ANALYSIS OF RECENT **EARTHOUAKES** CHAIRMAN: Fariborz A. Nateghi, Iran CO-CHAIRMAN: GENERAL REPORTER: Walter W. Hays, U.S.G.S. CO-REPORTERS: Christopher Rojahn(USA) and Atilla Ansal (Istanbul) 10:30am - 10:35am **OPENING REMARKS - CHAIRMAN** 10:35am - 10:55am **GENERAL REPORT** 10:55am - 11:25am DISCUSSION AND REPLIES CLOSING REMARKS - CO-CHAIRMAN 11:25am - 11:30am

11:30am - 12:30pm CONCLUDING SESSION

CHAIRMAN: Shamsher Prakash

IMPRESSIONS "FUTURE PROGRAMS",

CONFERENCE ADJOURNS 12:45pm

TOUR LEAVES FOR NEW MADRID FAULT 2:30pm

ZONE

SUNDAY, April 9, 1995

TOUR RETURNS TO ST. LOUIS, MISSOURI 6:00pm