

1. Pseudodynamic Testing of a Full Scale 3-Story CFT/BRB Frame

Date (2003)	Starting Time	Excitation	Hazard Level
October 3 (Fri.)	9:00 AM	Chi-Chi (TCU082EW)	50% in 50 Years (PGA=0.276g)
October 4 (Sat.)	9:00 AM	Loma Prieta (LP89g04NS)	10% in 50 Years (PGA=0.426g)
October 6 (Mon.)	9:00 AM	Chi-Chi (TCU082EW)	2% in 50 Years (PGA=0.622g)
October 7 (Tue.)	1:00 PM	Loma Prieta (LP89g04NS)	10% in 50 Years (PGA=0.426g)

Note: international network experiment will be involved

A **technical tour** will be arranged to visit the **Taipei Financial Center (Taipei 101 Tower)**, a 101-story tall building, on **October 7 Morning**.

2. IWSCCC-2003 Technical Program

October 8 (Wednesday)	
08:50 – 10:00	Opening Ceremony and Keynote Lectures I Chairs: Subhash C. Goel and K.C. Tsai
08:50 - 09:00	Opening Address Lou-Chuang, Lee , President of the National Applied Research Laboratories
09:00 - 09:30	Keynote Lecture I <i>Performance Comparison of CBFs Using Conventional and Buckling Restrained Braces</i> Stephen A. Mahin
09:30 – 10:00	Keynote Lecture II <i>Development of New CFT Frame System</i> Chiaki Matsui
10:00 – 10:20	Coffee Break
10:20 – 12:20	General Topics on Composite Construction I Chairs: Gustavo J. Parra-Montesinos and Lap-Loi Chung
10:20 - 10:40	<i>Structural Design of Composite Super-Columns for the Taipei 101 Tower</i> Shaw-Song Shieh , Ching-Chang Chang and Jiun-Hong Jong
10:40 - 11:00	<i>Damage Measures for Performance-Based Design of Rectangular</i>

	<i>Concrete-Filled Steel Tube Members and Connections</i> Cenk Tort and Jerome F. Hajjar
11:00 - 11:20	<i>Seismic Design of Concrete-Filled Circular Steel Bridge Piers</i> Michel Bruneau and Julia Marson
11:20 - 11:40	<i>Nonlinear System Identification of RCS Structure: Using Pseudo-Dynamic Testing Data</i> Chin-Hsiung Loh and Olga V. Pavlenko
11:40 - 12:00	<i>Composite Structural Wall Systems Utilizing Concrete Filled Steel Tubular Columns</i> Kenji Sakino , Toko Hitaka and Yutaka Ueda
12:00 - 12:20	<i>Seismic Performance of Hybrid Corewall Buildings</i> Bahram M. Shahrooz , Patrick J. Fortney and Gian Andrea Rassati
12:20 – 13:30	<i>Lunch</i>
13:30 – 15:10	Composite Frames I Chairs: Yan Xiao and Hsieh-Lung Hsu
13:30 - 13:50	<i>Special Inverted-V-Braced Frames with Suspended Zipper Struts</i> Roberto T. Leon and Chuang-Sheng Yang
13:50 – 14:10	<i>Seismic Design Criteria for CFT Braced Frame Connections</i> Charles W. Roeder , Gregory MacRae, Chad Gunderson and Dawn E. Lehman
14:10 - 14:30	<i>Pseudo-Dynamic Test of Full-Scale RCS Frame: Part 1 – Design, Construction and Testing</i> Chui-Hsin Chen , Wen-Chi Lai, Paul Cordova, Greg G. Deierlein and Keh-Chyuan Tsai
14:30 – 14:50	<i>Pseudo-Dynamic Test of Full-Scale RCS Frame: Part 2 – Analyses and Design Implications</i> P. Cordova , C.H. Chen, W.C. Lai, Gregory G. Deierlein, and Keh-Chyuan Tsai
14:50 - 15:10	<i>System Considerations of Concentrically Braced Steel Frames with CFT Columns</i> Gregory A. MacRae , Yoshihiro Kimura and Charles Roeder
15:10 – 15:30	<i>Coffee Break</i>
15:30 – 17:10	Composite Frames II Chairs: Toko Hitaka and Cheng-Chih Chen
15:30 – 15:50	<i>Seismic Performance Evaluation of Steel Moment Resisting Frames with Concrete Filled Tube Columns</i> Ricardo Herrera, James M. Ricles , Richard Sause and Brian Lewis
15:50 – 16:10	<i>Performance-Based Seismic Design and Testing of a Composite Buckling Restrained Braced Frame</i> Prabuddha Dasgupta, Subhash C. Goel , Gustavo Parra-Montesinos and K. C. Tsai
16:10 - 16:30	<i>Pseudo Dynamic Tests of a Full-Scale CFT/BRB Composite Frame: Displacement Based Seismic Design and Response Evaluations</i>

	K.C. Tsai , Yuan-Tao Weng, Min-Lang Lin, Chui-Hsin Chen, Juin-Wei Lai and Po-Chien Hsiao
16:30 – 16:50	<i>Analytical and Experimental Studies on Buckling Restrained Braced Composite Frames</i> Larry A. Fahnestock, Richard Sause and James M. Ricles
16:50 - 17:10	<i>Reducing Residual Drift of Buckling-Restrained Braced Frames as a Dual System</i> Chia-Ming Uang and Shawn Kiggins
18:30 –	<i>Dinner</i>

October 9 (Thursday)	
09:00 – 10:00	Keynote Lectures II Chairs: Michel Bruneau and Keh-Chyuan Tsai
09:00 - 09:30	Keynote Lecture III <i>The Comparison of Behaviors for Circular and Square Concrete-Filled Steel Tube (CFST) under Axial Compression</i> Shan Tong Zhong
09:30 – 10:00	Special Presentation <i>Pseudo Dynamic Tests of a CFT-BRB Frame: Experimental Observations and Preliminary Data Analysis</i> Min-Lang Lin , Po-Chien Hsiao, Juin Wei Lai, Wei-Chung Cheng and Keh-Chyuan Tsai
10:00 – 10:20	Coffee Break
10:00 – 10:20	Composite Components Chairs: Gregory A. MacRae and Chin-Tung Cheng
10:20 - 10:40	<i>A Simplified Approach for Nonlinear Response Analysis of Composite Structural Member</i> Hao-Ze Deng, Ya-Ying Chang, David T. Lau , Shadi Ostovari and Keh-Chyuan Tsai
10:40 - 11:00	<i>Confinement Design of CFT Columns for Improved Seismic Performance</i> Yan Xiao , Wenhui He, Xixaoyong Mao, Kang-kyu Choi and Pingsheng Zhu
11:00 - 11:20	<i>Tie-Bar Stiffening Scheme for Square CFT Beam-Columns with High Tube Width-to-Thickness Ratio</i> G.-Y. Liu , Y.-K. Yeh, C S Huang and M.-S. Han
11:20 - 11:40	<i>Numerical Analysis of Concrete-Filled Steel Tubes Subjected to Axial Force</i> Hsuan-Teh Hu , Chiung-Shiann Huang, Ming-Hsien Wu and Yih-Min Wu

11:40 - 12:00	<i>Experimental Study on Beam-Column Connections of H-Beams Bolted to Rectangular Concrete-Filled Steel Tube Columns</i> L. L. Chung , L. Y. Wu, T. J. Shen, G. L. Huang and S. F. Tsai
12:00 - 12:20	<i>Comparison of Cyclic Performance for Two Types of Exterior Moment Connections with a Steel Beam to an SRC Column</i> Chung-Che Chou and Chia-Ming Uang
12:20 – 13:30	<i>Lunch</i>
13:30 – 15:30	General Topics on Composite Construction II Chairs: David T. Lau and Jerome F. Hajjar
13:30 - 13:50	<i>Behavior of RCS Roof T-Connections under Load Reversals</i> Luis B. Fargier-Gabaldón and Gustavo J. Parra-Montesinos
13:50 – 14:10	<i>Test of CFT Connections with Floor Slab</i> Chin-Tung Cheng , Chen-Fu Chan and Lap-Loi Chung
14:10 - 14:30	<i>CFT Column Base Design and Practice in Japan</i> Toko Hitaka , Keichiro Suita and Mikiko Kato
14:30 – 14:50	<i>Performance of Concrete-Filled Tube Base Connections under Repeated Loading</i> Hsieh-Lung Hsu and Huan-Wen Lin
14:50 - 15:10	<i>ISEE: Internet-Based Simulations for Earthquake Engineering Part I: The Database Approach</i> Yuan-Sen Yang , Shiang-Jung Wang, Kung-Juin Wang, Keh-Chyuan Tsai and Shang-Hsien Hsieh
14:10 – 15:30	<i>ISEE: Internet-Based Simulations for Earthquake Engineering Part II: The Application Protocol Approach</i> Kung-Juin Wang , Shiang-Jung Wang, Yuan-Sen Yang, Wei-Chong Cheng and Keh-Chyuan Tsai
15:30 – 15:50	<i>Coffee Break</i>
15:50 – 17:10	Panel Discussion Chairs: Keh-Chyuan Tsai and Subhash C. Goel
15:50 - 17:10	Topics: Opportunity for International Collaboration Experimental Research on Large Scale Structures

Additional information can be found in the web site: <http://cft-brbf.ncree.gov.tw>.