13:20-13:45MonitoringMonitoringSensing Properties of Magnetorneological ElastomersConsidering Snallow Slope Failure induced by KaintaliScher13:20-13:45S.Park, C.Lee and H.SohnX.Wang, F.Gordaninejad, M.Calgar, J.Sutrisno and A.FuchsS.Lee, J.Choi,Y.Kim and Y.SongD.T.R.13:45-14:10Traffic Monitoring using Cement - based Piezoelectric SensorsMEMs-based Smart Sensors for Autonomous Structural Health Monitoring of BridgesSelf Sealing and Monitoring of Tanks and Pressure VesselsAnaly Mass of Str14:10-14:35Health Monitoring of FRP-Strengthened Concrete Structures by Impedance-Based MethodGuided EM Wave and Ultrasonic Method for BridgesD.R.Huston, X.Y.Sun, J.Y.Zheng, O.Qin, Y.Chen, D.Hurley, F.Sansoz and D.SavinSimult and H Boue-14:35-15:00Development of a Portable and Low Cost Power Amplifier for PiezoCeramic ActuatorsX.Yu and X.B.YuS.H.Sim and B.F.Spencer, Jr.A.Nisf Comparative Assessment of Vibration-Based Damaee Development Human Bio-signals in Human-Machine InteractionComparative Assessment of Vibration-Based Damaee Divestor Method Scheider Scheider Scheider Muthen Scheider Scheider Scheider Muman Bio-signals in Human-Machine InteractionComparative Assessment of Vibration-Based Damaee Divestor Divestor Mass Muthen Scheider Scheider Method Scheider Scheider MethodComparative Assessment of Vibration-Based Damaee Divestor Michaeler Divestor Michaeler Scheider ScheiderComparative Assessment of Vibration-Based Damaee Divestor Michaeler Divestor Michaeler MethodComparative Assessment of Vibration-Based Damaee Divestor Michaeler Divestor Michaeler Divest			Tuesday 24 July				
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	17:30-17:55	Measurement of 3D Rotation and Translation using Single Camera					
18:00-19:00 Reception with Beer and Wine at Restaurant "Seihoku no Kaze" at Building #26 (Okuma Tower Building)							
	18.00-19.00	Re	eception with Beer and Wine at Restaurant "Seihok	u no Kaze" at Building #26 (Okuma Tower Building	J)		

Control and Identification of Damper

trol of Hysteretic Systems using LPV Gain eduling Controller

R.Pasala, S.Nagarajaiah and K.Grigoriadis

ytical and Experimental Studies of Multiple Tuned s Dampers for Structural Control with Constraint troke

Lin, J.F.Wang, C.H.Lian and H.W.Chiang

ultaneous System Identification of Visco-elastic HystereticDampers Represented by Maxwell and c-Wen Models

shitani,C.Wakahara,H.Seko,D.Nakamizo and Y.Nitta

elopment, Implementation, and Application of ed Load and Displacement Control for Multinsional Hybrid Simulation

kata, B.F.Spencer, Jr., and A.S.Elnashai

		Wednesday 25 June			
9:10-10:00	Keynote Speech on Nano Technology: Professor Iwao Odomari, Waseda University				
10:00-10:30	Coffee Break (1st Floor Lobby)				
	Wireless sensor I	Control I	SHM Algorithm		
10:30-10:55	Exploiting Passive Patch Antenna for Strain Measurement	Performance Test of Tuned Liquid Mass Damper for Controlling Bi-directional responses of Building Structures	Pavement Structural Health Monitoring Using Falling Weight Deflectometers		
	U.Tata and H.Huang	J.S.Heo, E.Park. S.K.Lee, K.W.Min, S.H.Lee, J.Jo, B.H.Cho and H.Kim	L.Sun, W.Gu, Y.Zhang, B.J.Kim and Y.Zhu		
10:55-11:20	Development of Bridge Inspection System by Using Wireless Network Technologies	Novel Colloidal Dampers for Smart Structures	A New Statistical Moment-Based Structural Damage Detection Method: Experimental Investigation		
	T.Harada and K.Yokoyama	G.Zhou, B.Johnson and L.Sun	J.Zhang, Y.L.Xu and J.C.Li		
	Decentralized output-only modal identification techniques for wireless monitoring systems	Smart Control of High Tech Facilities	Substructural Damage Detection Using Pseudo-Modal Deflections under a Positive-Bending-Inspection- Load Obtained by Pseudo-Modal Flexibility Matrices		
	M.Shiraishi and J.P.Lynch	Y.L.Xu	K.Y. Koo and C.B.Yun		
11:45-12:10			Identification of Abruptly Changing Parameters in Structural Dynamic Systems Using Adaptive Monte Carlo Filter		
			M.Chung, T.Soto and C.B.Yun		
<mark>12:10-13:00</mark>		Lunch			
	Wireless sensor II	Control II	Signal Processing/Diagnostics		
13:00-13:25	Wireless Sensing and Structural Control Strategies	Experimental Verification of Effectiveness of Self- powered Smart Damping System Based on MR Damper	Prediction of the In-situ Undrained Shear Strength Using the Shear Wave		
	K.H.Law, A.Swartz, J.P.Lynch, and Y.Wang				
		H.J.Jung, D.D.Jang and H.J.Lee	T.M.Oh, I.Chang and G.C.Cho		
13:25-13:50	Structural Health Monitoring Systems Using Smart	Real-time Hybrid Tests of Response Control of Base Isolation System by MR Damper	T.M.Oh, I.Chang and G.C.Cho Experimental Verification of ASNLSE Approach for Damage Identification of Structures		
13:25-13:50	Structural Health Monitoring Systems Using Smart	Real-time Hybrid Tests of Response Control of Base	Experimental Verification of ASNLSE Approach for		
13:25-13:50	Structural Health Monitoring Systems Using Smart Sensors	Real-time Hybrid Tests of Response Control of Base Isolation System by MR Damper	Experimental Verification of ASNLSE Approach for Damage Identification of Structures		
13:25-13:50	Structural Health Monitoring Systems Using Smart Sensors T.Nagayama, B.F.Spencer, Jr., and Y.Fujino Embedded Hilbert Transform-Based Algorithm within a Field Programmable Gate Array to Classify	Real-time Hybrid Tests of Response Control of Base Isolation System by MR Damper H.Fujitani, R.Kawasaki and Amasutani Numerical Investigation of Base-Isolated Structures	Experimental Verification of ASNLSE Approach for Damage Identification of Structures H.Huang, J.N.Yang and L.Zhou The Development of Laser Ultrasonic Visualization		
13:25-13:50	Structural Health Monitoring Systems Using Smart Sensors T.Nagayama, B.F.Spencer, Jr., and Y.Fujino Embedded Hilbert Transform-Based Algorithm within a Field Programmable Gate Array to Classify Nonlinear SDOF Systems	Real-time Hybrid Tests of Response Control of Base Isolation System by MR Damper H.Fujitani, R.Kawasaki and Amasutani Numerical Investigation of Base-Isolated Structures Employing MR Elastomer	Experimental Verification of ASNLSE Approach for Damage Identification of Structures H.Huang, J.N.Yang and L.Zhou The Development of Laser Ultrasonic Visualization Instrument and Its Applications to Damage Diagnoses		
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