SCHEDULE OF ACTIVITIES AND PRESENTATIONS
EIGTH INTERNATIONAL CONFERENCE ON COMPUTATIONAL STOCHASTIC MECHANICS – CSM 8

PAROS, GREECE, JUNE 10 - 13, 2018

SUNDAY JUNE 10, 2018

REGISTRATION
5:00 – 7:00 PM; Sunday

RECEPTION
7:30 – 9:00 PM; Sunday

MONDAY JUNE 11, 2018

REGISTRATION
7:30 AM – 7:00 PM; Monday

OPENING SESSION
8:00 – 8:15 AM; Monday
Co-Chairs: J. Li; G. Solari; P. Spanos

1. STOCHASTIC DYNAMICS / RANDOM PROCESSES

8:15 – 10:15 AM; Monday
Co-Chairs: A. Beck; C. Proppe
Moderator: R. Corotis

Athanassoulis, G.A. / Kapelonis, Z.G. / Mamis, K.I.
School of Naval Architecture & Marine Engineering, National Technical University of Athens, Greece
NUMERICAL SOLUTION OF GENERALIZED FPK EQUATIONS CORRESPONDING TO RANDOM DIFFERENTIAL EQUATIONS UNDER COLORED NOISE EXCITATION: THE TRANSIENT CASE

Chen, J. B. / Wan, Z. Q. / Yang, J. Y.
State Kay Laboratory of Disaster Reduction in Civil Engineering, College of Civil Engineering, Tongji University, Shanghai, China.
PROBABILITY DENSITY EVOLUTION ANALYSIS OF RESPONSE OF STRUCTURES WITH DEPENDENT RANDOM PARAMETERS

Cluni, F. / Gusella, V. / Severini, L. / Vinti, G.
Department of Civil and Environmental Engineering, University of Perugia, Italy
CHARACTERIZATION OF ELASTIC PROPERTIES OF MASONRY THROUGH DIGITAL IMAGING TECHNIQUES APPLIED TO THERMOGRAPHIC IMAGES

Denoël, V.
University of Liège, Structural and Stochastic Dynamics, Liège, Belgium
CLOSED-FORM RESPONSE OF A LINEAR FRACTIONAL VISCOELASTIC OSCILLATOR UNDER ARBITRARY STATIONARY INPUT

Giaralis, A. / Gkoktsi, K.
Department of Civil Engineering, City University of London, UK
A SUB-NYQUIST CO-PRIME SAMPLING MUSIC SPECTRAL ESTIMATION APPROACH FOR NATURAL FREQUENCY IDENTIFICATION OF WHITE-NOISE EXCITED STRUCTURES

Li, J. / Jiang, Z.
State Kay Laboratory of Disaster Reduction in Civil Engineering, College of Civil Engineering, Tongji University, Shanghai, China.
CELL RENORMALIZED FPK EQUATION FOR STOCHASTIC NON-LINEAR SYSTEM

Liaskos, K. B. / Pantelous, A. A. / Kougioumtzoglouz, I. A. / Meimarisx, A. T.
Department of Mathematics, College of Engineering, American University of the Middle East, Egaila, Kuwait
ANALYTICAL IMPLICIT-FORM SOLUTIONS FOR THE LINEAR STOCHASTIC PARTIAL DI ERENTIAL BEAM EQUATION WITH FRACTIONAL DERIVATIVE TERMS

Rahman, S.
College of Engineering, The University of Iowa, Iowa City, USA
A PLOYNOMIAL DIMENSIONAL DECOPOSITION FOR DEPENDENT RANDOM VARIABLES

COFFEE BREAK; 10:15 – 10:30 AM

2. RELIABILITY ASSESSMENT

10:30 AM – 12:30 PM; Monday
Co-Chairs: L. Brady; J. B. Chen
Moderator: C. Bucher

Corotis, R. B. / Straub, D. / Breitung, K. / Bonstrom, H. L.
Department of Civil, Environmental and Architectural Engineering, University of Colorado, Boulder, USA
COMBINATORIAL ANALYSIS FOR PROBABILISTIC ASSESSMENT OF DEPENDENT FAILURES IN SYSTEMS AND PORTFOLIOS

Dos Santos, K. R. M. / Kougioumtzoglou, I. A. / Spanos, P. D.
Department of Civil Engineering and Engineering Mechanics, Columbia University, New York, USA
NONLINEAR OSCILLATOR SURVIVAL PROBABILITY DETERMINATION VIA HILBERT TRANSFORM BASED STOCHASTIC AVERAGING

Hirzinger, B. / Adam, C. / Oberguggenberger, M.
Unit of Applied Mechanics, University of Innsbruck, Innsbruck, Austria
RELIABILITY OF BRIDGES FOR HIGH-SPEED TRAINS: ASSESSMENT OF DIFFERENT STOCHASTIC APPROACHES

Miao, H. / Liu, W. / Li, J.
Department of Structural Engineering, Tongji University, Shanghai, China
SEISMIC RELIABILITY ANALYSIS OF WATER DISTRIBUTION NETWORKS BASED ON PROBABILITY DENSITY EVOLUTION METHOD

Proppe, C.
Karlsruhe Institute of Technology, Germany
A MULTI LEVEL MOVING PARTICLES METHOD FOR RELIABILITY ESTIMATION

Sebaaly, G / Rahhal, M. E.
ESIB, Saint Joseph University of Beirut, Lebanon
RELIABILITY ANALYSIS FOR SOIL LIQUEFACTION POTENTIAL

Vanvinckenroye, H. / Kougioumtzoglou, I. A. / Denoël, V.
Structural Engineering Division, University of Liège, Liège, Belgium
GALERKIN FORMULATION FOR NONLINEAR SYSTEM RELIABILITY ANALYSIS UNDER EVOLUTIONARY STOCHASTIC EXCITATION

Xu, J.
College of Civil Engineering, Hunan University, Changsha, China
AN EFFICIENT APPROACH FOR HIGH-DIMENSIONAL STRUCTURAL RELIABILITY ANALYSIS

LUNCH BREAK; 12:30 – 2:00 PM

3. CONTROL / OPTIMIZATION

2:00 – 4:00 PM; Monday
Co-Chairs: G. A. Athanassoulis; A. Pirrotta
Moderator: R. Iwankiewicz

Avendaño-Valencia, L. D. / Chatzi, E.N.
Department of Civil, Environmental and Geomatic Engineering, ETH Zürich, Zürich
GPR-VAR SURROGATES FOR IDENTIFICATION OF STRUCTURES UNDER VARYING OPERATIONAL CONDITIONS

Cacciola, P. / Tombari, A.
School of Environment and Technology, University of Brighton, UK
DESIGN OF THE VIBRATING BARRIER FOR STOCHASTIC INPUT

Da Silva, G. A. / Cardoso, E. L. / Beck, A. T.
Structural Engineering Department, University of Sao Paulo, Brazil
COMPARISON OF TOPOLOGY OPTIMIZATION APPROACHES UNDER RANDOM LOADS AND STRESS CONSTRAINTS

Fischer, C. C. / Grandhi, R. V.
Wright State University, USA
BAYESIAN WEIGHTED LOW-FIDELITY CORRECTION FOR MULTI-FIDELITY OPTIMIZATION

Jiao, Y. / Malara, G. / Spanos, P. D.
Department of Civil Engineering, Rice University, USA
BOUNDARY ELEMENT METHOD BASED APPROACH FOR ESTIMATING THE RESPONSE OF A SYSTEM GOVERNED BY A STOCHASTIC NONLINEAR FRACTIONAL DIFFUSION EQUATION

Liu, Q. / Xu, Y.
Department of Applied Mathematics, Northwestern Polytechnic University, Xi'an, China
SUPPRESSION OF STOCHASTIC VIBRATION IN A VISCOELASTIC AIRFOIL MODEL

Mercier, Q. / Poirion, F. / Désidéri, J.
National Office of Aerospace Studies and Research, France
RBDO PROBLEM SOLVING THROUGH MULTIOBJECTIVE FORMULATION USING A STOCHASTIC MULTIPLE GRADIENT DESCENT ALGORITHM (SMGDA).

Sun, T. / Nielsen, S. R. K.
Department of Civil Engineering, Aalborg University, 9000 Aalborg, Denmark
STOCHASTIC OPTIMAL CONTROL OF WAVE ENERGY POINT ABSORBER

TUESDAY JUNE 12, 2018

4. SPECIAL MATHEMATICAL TECHNIQUES

8:00 – 10:00 AM; Tuesday
Co-Chairs: V. Belenky; M. Gioffre
Moderator: M. Mignolet

Burlon, A. / Kougioumtzoglou, I. A. / Failla, G. / Arena, F.
Department di Ingegneria Civile, dell' Ambiente, dell' Energia e dei Materiali (DICEAM) Università di Reggio Calabria, Italy
RANDOM VIBRATION OF BEAMS WITH NON-LINEAR CONCENTRATED SUPPORTS/DAMPERS VIA STATISTICAL LINEARIZATION

Er, G. K. / Iu, V. P.
Department of Civil and Environmental Engineering, University of Macau, Macau SAR, China
STATE-SPACE-SPLIT METHOD AND THE NONLINEAR RANDOM VIBRATIONS OF STRETCHED NONLINEAR BEAM AS A MULTI-DEGREE-OF-FREEDOM SYSTEM

Iwankiewicz, R. / Jablonka, A.
Hamburg University of Technology, Germany
MOMENT EQUATIONS AND MODIFIED CLOSURE APPROXIMATION TECHNIQUE FOR NON-LINEAR DYNAMIC SYSTEMS UNDER RENEWAL IMPULSE PROCESS EXCITATIONS

Malara, G. / Jiao, Y. / Spanos P. D.
Natural Ocean Engineering Laboratory, DICEAM Dept., Mediterranea University of Reggio Calabria, Loc. Feo di Vito, Reggio Calabria, Italy
STATISTICAL LINEARIZATION APPROACH FOR CALCULATING THE RESPONSE STATISTICS OF A SYSTEM GOVERNED BY A NONLINEAR FRACTIONAL DIFFUSION EQUATION

Meimaris, A. T. / Kougioumtzoglou, I. A. / Pantelous A. A.
Department of Econometrics and Business Statistics, Monash Business School, Monash University, Australia
APPROXIMATE TRANSITION PROBABILITY DENSITY FUNCTIONS FOR A CLASS OF COUPLED NONLINEAR STOCHASTIC DIFFERENTIAL EQUATIONS

Petromichelakis, I. / Psaros, A. F. / Kougioumtzoglou, I. A.
Department of Civil Engineering and Engineering Mechanics, Columbia University, USA
WIENER PATH INTEGRAL BASED STOCHASTIC RESPONSE DETERMINATION OF NONLINEAR SYSTEMS WITH SINGULAR DIFFUSION MATRICES

Petromichelakis, I. / Psaros, A. F. / Kougioumtzoglou, I. A.
Department of Civil Engineering and Engineering Mechanics, Columbia University, USA
STOCHASTIC RESPONSE ANALYSIS AND OPTIMIZATION OF A CLASS OF NONLINEAR ELECTROMECHANICAL ENERGY HARVESTERS

Psaros, A. F. / Petromichelakis, I. / Kougioumtzoglou, I. A.
Department of Civil Engineering & Engineering Mechanics, Columbia University, USA
NON-STATIONARY JOINT RESPONSE PDF DETERMINATION OF NONLINEAR SYSTEMS VIA THE WIENER PATH INTEGRAL IN CONJUNCTION WITH A WAVELET BASIS

COFFEE BREAK; 10:00 – 10:30 AM

5. RANDOM PROCESSES SIMULATION/ UNCERTAINTY REPRESETNATION

10:30 AM – 12:30 PM; Tuesday
Co-Chairs: F. Poiron; S. Baxter

Moderator: A. Reed

Cacciola, P. / Coronado-Jimenez, J. D. / Tombari, A.
University of Brighton, School of Environment and Technology
A GROUND MOTION MODEL FOR URBAN ENVIRONMENT

Deodatis, D. / Shields, M. D. / Zhou, H. / Benowitz, B.
Department of Civil Engineering and Engineering Mechanics, Columbia University, USA
SIMULATION OF WIND VELOCITY TIME HISTORIES ON LONG SPAN STRUCTURES MODELED AS NON-STATIONARY STOCHASTIC WAVES

Di Matteo, A. / Pirrotta, A. / Spanos, P. D. / Di Paola, M.
Universita degli Studi di Palermo, Palermo, Italy.
MONTE CARLO SIMULATION OF STOCHASTIC ROCKING NONLINEAR FOUNDATION

Eckert, C. / Beer, M.
Institute for Risk and Reliability, Leibniz Universität Hannover
POLYNOMIAL CHAOS APPROXIMATION OF RANDOM VARIABLES AND STATIONARY PROCESS WITH B-SPLINE

Gaidai, O. / Naess, A.
Department of Civil Engineering, University of Kurdistan Hewler, Erbil, Iraq
IMPROVING EXTREME VALUE PREDICTION BASED ON A SHORT DATA SAMPLE, USING A HIGHLY CORRELATED PROCESS WITH A LONG DATA SAMPLE

Peng, Y. B. / Liu, Z. J.
State Key Laboratory of Disaster Reduction in Civil Engineering, Shanghai Institute of Disaster Prevention and Relief, Tongji University, Shanghai, China
DIMENTION-REDUCTION RANDOM SIUMULATION OF NON-STATIONARY AND MULTIVARIATE STOCHASTIC PROCESSES

Solari, G. / De Gaetano, P.
Department of Civil, Chemical and Environmental Engineering, Polytechnic School, University of Genoa, Genoa, Italy
STRUCTURAL RESPONSE TO NON-STIONARY THUNDERSTORM OUTFLOWS: MULTI-VARIATE VS EQUAIVALENT MONO-VARIATE SIMULATION

Wang, X.Q. / Mignolet, M.P. / Soize, C.
SEMTE Faculties of Mechanical and Aerospace Engineering, Arizona State University, Tempe, AZ, USA
NONLINEAR GEOMETRIC MODELING OF UNCERTAIN STRUCTURES THROUGH NONINTRUSIVE REDUCED ORDER MODELING

LUNCH BREAK: 12:30 – 2:00 PM

6. RANDOM STRUCTURAL ANALYSIS

2:00 – 4:00 PM; Tuesday
Co-Chairs: E. J. Obrien; S. Rahman
Moderator: M. Di Paola

Andriotis, C. P. / Papakonstantinou, K. G.
Department of Civil & Environmental Engineering, the Pennsylvania State University, PA, USA
PROBABILISTIC STRUCTURAL PERFORMANCE ASSESSMENT IN HIDDEN DAMAGE SPACE

Dai, H.
School of Civil Engineering, Harbin Institute of Technology, Harbin, China
A HIERARCHICAL SPECTRAL DECOMPOSITION APPROACH FOR SOLVING STOCHASTIC FINITE ELEMENT EQUATIONS

Giunta, F. / Muscolino, G. / Sofi, A.
Department of Engineering, University of Messina, Villaggio S. Agata, Messina, Italy
A RESPONSE SURFACE APPROACH FOR THE ANALYSIS OF STRUCTURES WTH UNCERTAINTIES DESCRIBED BY IMPRECISE PROBABILITY DENSITY FUNCTIONS

Kalogeris, I. / Papadopoulos, V. / Giovanis, D. G.
Institute of Structural Analysis and Antiseismic Research, National Technical University of Athens
SPECTRAL STOCHASTIC ANALYSIS OF STRUCTURES EXHIHITING STRONG GEOMETRICAL NONLINEARITIES

Li, J / Zhou, H.

State Key Laboratory of Disaster Reduction in Civil Engineering, Shanghai Institute of Disaster Prevention and Relief, Tongji University, Shanghai, China
MULTISCALE STOCHASTIC DAMAGE ANALYSIS OF CONCRETE STRUCTURES

Pukl, R. / Červenka, V. / Novák, D.
Červenka Consulting s.r.o., Czech Republic
SHEAR FAILURE OF VERY LARGE CONCRETE BEAM: MODELLING USING RANDOM FIELDS

Spyridaki, A. / Sideri, J. / Deodatis, G. / Arwade, S.
Department of Civil Engineering and Engineering Mechanics, Columbia University, USA
VARIABILITY RESPONSE FUNCTIONS FOR BEAMS WITH ARBITRARY NONLINEAR CONSTITUTIVE LAWS & FOR APPARENT MATERIAL PROPERTIES IN TWO-DIMENSIONAL ELASTICITY PROBLEMS

Zhang, H. / Huang, B.
School of Civil Engineering and Architecture, Wuhan University of Technology, Wuhan, China
HOMOTOPY-SERIES SOLUTION OF EIGENPARIS OF RANDOM STRUCTURES

COFFEE BREAK: 4:00 – 4:15 PM

7. ENGINEERING APPLICATION FOR MATERIALS / SOILS / STRUCTURAL MEMBERS

4:15 – 6:15 PM; Tuesday
Co-Chairs: G. C. Marano; Q. Yue
Moderator: H. Jensen

Barone, G. / Lo Iacono, F. / Navarra, G. / Oliva, M.
School of Architecture, Building and Civil Engineering, Loughborough University, Loughborough, UK
STOCHASTIC STRUCTURAL OPTIMISATION OF PASSIVE CONTROL DEVICES VIA SPECTRUM-COMPATIBLE ANALYTICAL PSD FUNCTIONS

Baxter, S. C. / Acton, K. A.
Department of Mechanical Engineering, University of St. Thomas, St Paul MN, USA
PROBABILITY DISTRIBUTIONS OF WAVE VELOCITY IN HETEROGENEOUS MEDIA BASED ON APPARENT PROPERTIES DESCRIBED BY STATISTICAL VOLUME ELEMENTS

Bhaduri, A. / Graham-Brady, L. / Shields, M. D. / Brandyberry, D. / Geubelle, P.
Department of Civil Engineering, Johns Hopkins University, USA
UNCERTAINTY PROPAGATION OF COMPOSITE MODELS USING AN EFFICIENT SURROGATE ALGORITHM

Greco, R. / Marano, G. C. / Briseghella, B. / Lavorato, D. / He, L.
Politecnico di Bari, Bari, Italy
NON STATIONARY RANDOM VIBRATION APPROACH FOR DAMPING REDUCTION FACTOR SENSITIVITY TO SEISMIC DURATION

Sedehi, O. / Papadimitriou, C. / Katafygiotis, L. S.
Department of Civil and Environmental Engineering, Hong Kong University of Science and Technology, Hong Kong, SAR of China
DATA-DRIVEN MODELLING AND UNCERTAINTY QUANTIFICATION IN STRUCTURAL DYNAMICS USING A HIERARCHICAL BAYESIAN FRAMEWORK

Silva, E. M. / Ribeiro, S. E. C. / Diniz, S. M. C.
Department of Structural Engineering, Federal University of Minas Gerais, Belo Horizonte, MG, Brazil
PROBABILISTIC ASSESSMENT OF EXCESSIVE DEFLECTIONS OF CONCRETE BEAMS REINFORCED WITH CFRP

Uribe, F. / Papaioannou, I. / Betz, W. / Straub, D.
Engineering Risk Analysis Group, Technische Universität München, München, Germany
BAYESIAN INFERENCE WITH STRUCTURAL RELIABILITY METHODS USING TRANSDIMENSIONAL MCMC ALGORITHMS

Yue, Q. / Yao J.
School of Civil Engineering, Shandong Jianzhu University, China
SOIL DEPOSIT STOCHASTIC SETTLEMENT SIMULATION USING AN IMPROVED AUTOCORRELATION MODEL

CONFERENCE BANQUET
Starting time: 8:00 PM, Tuesday.

WEDNESDAY JUNE 13, 2018

8. MONTE CARLO SIMULATION / UNCERTAINTY QUANTIFICATION

8:30 – 10:00 AM; Wednesday
Co-Chairs: F. Arena; P. Cacciola
Moderator: A. Naess

Bi, S. / Broggi, M. / Beer, M.
Institute for Risk and Reliability, Leibniz Universität Hannover, Germany
A NOVEL UNCERTAINTY QUANTIFICATION METRIC AND ITS APPLICATION IN STOCHASTIC SENSITIVITY ANALYSIS

Giovanis, D. G. / Shields, M. D.
Department of Civil Engineering, Johns Hopkins University, USA
UNCERTAINTY QUANTIFICATION OF HIGH-DIMENSIONAL COMPLEX SYSTEMS USING SPECTRAL CLUSTERING ON THE GRASSMANN MANIFOLD

Hantrais-Gervois, J. -L. / Savin, E.
ONERA – The French Aerospace Lab, France
SPARSE POLYNOMIAL SURROGATES FOR NON-INTRUSIVE, HIGH-DIMENSIONAL UNCERTAINTY QUANTIFICATION OF AERODYNAMIC AND AEROELASTIC COMPUTATIONS

Mbazor, J.
IBS Center for Genomic Integrity, Republic of Korea
LARGE SCALE PARALLEL MARKOV CHAIN MONTE CARLO FOR RELIABILITY OF COMPLEX SYSTEMS

Shields, M.D. / Sundar V.S. / Giovanis D.G.
Department of Civil Engineering, Johns Hopkins University, Baltimore, MD, USA
AFFINE INVARIANT ENSEMBLE MCMC FOR SUBSET SIMULATION ON HIGH DIMENSIONAL NON-GAUSSIAN PROBABILITY SPACES

Taflanidis, A. A. / Zhang, J.
University of Notre Dame, Notre Dame, IN, USA
BAYESIAN MODEL AVERAGING KRIGING

COFFEE BREAK; 10:00-10:15AM

9. APPLIED ANALYSIS FOR STRUCTURES / INFRASTRUCTURE SYSTEMS

10:15 AM– 12:15 PM; Wednesday
Co-Chairs: S. Diniz; A. A. Taflanidis
Moderator: G. Muscolino

Bucher, B. / Bucher, C.
Research Center of Building Construction and Maintenance, TU Wien, Austria
POTENTIAL FUTURES: A PROBABILITY-BASED STRATEGY FOR MAINTAINING BUILT HERITAGE IN VIENNA

Ciano, M. / Gioffrè, M. / Grigoriu, M.
Department of Civil and Environmental Engineering, University of Perugia, Italy
ON THE ACCURACY OF SEISMIC FRAGILITIES FOR ACTUAL NON-LINEAR MDOF SYSTEMS

Fitzgerald, P. C. / Obrien, E. J. / Malekjafarian, A. / Prendergast, L. J.
Civil Engineering, University of College Dublin, Newstead, Belfield, Ireland
ACCELERATION-BASED BRIDGE SCOUR MONITORING

Jensen, H. / Jerez, D.
Santa Maria University, Valparaiso, Chile
A STOCHASTIC FRAMEWORK FOR HYDRAULIC PERFORMANCE ASSESSMENT OF LARGE SCALE WATER DISTRIBUTION NETWORKS

Møller, R. N. / Krenk, S. / Svendsen, M. N.
Department of Mechanical Engineering, Technical University of Denmark, Denmark
LONG SUSPENSION BRIDGE RESPONSE TO ANISOTROPIC TURBULENT WIND

Pepi, C. / Gioffrè, M. / Grigoriu, M.
Department of Civil and Environmental Engineering, University of Perugia, Italy
BAYESIAN MODEL UPDATING OF A CURVED CABLE - STAYED FOOTBRIDGE USING EXPERIMENTAL DATA

Pryse, S. E. / Kundu, A. / Adhikari, S.
College of Engineering, Swansea University
REDUCED ORDER METHODS FOR STOCHASTIC TRANSIENT DYNAMICS

Suksuwan, A. / Spence, S. M. J.
Department of Civil & Environmental Engineering, University of Michigan, Ann Arbor, USA
A MODEL FOR THE RAPID OPTIMIZATION OF HIGH-DIMENSIONAL UNCERTAIN K-OUT-OF-N SYSTEMS SUBJECT TO STOCHASTIC WIND EXCITATION

LUNCH BREAK: 12:30 – 2:00 PM

10. OCEAN AND OTHER APPLICATIONS / CLOSURE

2:00 – 4:00 PM; Wednesday
Co-Chairs: A. Gusella; E. Savin
Moderator: S. Adhikari

Anastopoulos, P. A. / Kontolefas, I. A. / Spyrou, K. J.
National Technical University of Athens, Athens, Greece
INVESTIGATING THE QUALITIES OF NONLINEAR SHIP ROLLING DISTRIBUTION USING AN IMPROVED CRITICAL WAVE GROUPS METHOD

Belenky, V. / Weems, K. / Pipiras, V. / Sapsis, T.
David Taylor Model Basin, NCWCCD
METRIC OF SHIP CAPSIZING OF RANDOM SEAS

Reed, A.
David Taylor Model Basin, NCWCCD
PRACTICAL ASPECTS OF VALIDATING A SIX-DEGREES-OF-FREEDOM MANEUVERING IN IRREGULAR WAVES CODE FOR EXTREME CONDITIONS

Smith, T.
David Taylor Model Basin, NCWCCD
WATER ON DECK EXTREME EVENT DISTRIBUTION

Spanos, P. D. / Laface, V. / Malara, G. / Arena, F.
Department of Civil and Environmental Engineering, Rice University, Houston, Texas, USA
SIMULATION OF NON-STATIONARY SEA SURFACE ELEVATION COMPATIBLE WITH A MEASURED STORM

Weems, K. / Pipiras, V. / Levine, M. / Belenky, V.
David Taylor Model Basin, NCWCCD
STATISTICAL UNCERTAINTY OF MEASURED AND SIMULATED SHIP MOTIONS

Deodatis, G. / Li, J. / Solari, G. / Spanos, P.
PERSPECTIVE ON STOCHASTIC PROCEEDINGS / FORA / MECHANICS

Bhuyan, S. / Kumar, D.
Indian Institute of Technology, Madras, India
RESPONSE OF MULTI LEGGED ARTICULATED TOWER USING STOCHASTIC AVERAGING