

Curriculum Vitae

KONSTANTINOS A. SKALOMENOS

Assistant Professor

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(as of February 2019)

1. EDUCATION

University of Patras – Department of Civil Engineering, Greece

10/2009 – 05/2014 Doctor of Engineering (Ph.D)

Structural Engineering and Dynamics of Structures

Expertise on Composite Steel/Concrete Structures

Dissertation: *Seismic performance of plane moment resisting frames with concrete filled steel tube columns and steel I beams*

Advisor: Professor Dimitri E. Beskos

09/2007 – 09/2009 Master of Science in Seismic Design of Structures (M.Sc.)

Expertise on Steel Structures

Thesis: *Development of spatial combination rules of seismic responses of tall steel structures*

Advisor: Professor Dimitri E. Beskos

09/2002 – 09/2007 Diploma in Civil Engineering (5 years program - M.Eng.)

Division of Structural Engineering

Thesis: *Comparison of two new seismic design methods for steel structures with the design method based on Eurocode 8: a) the displacement-based design (DBD) method, and b) the hybrid force/displacement design (HFD) method.*

2. RESEARCH AREAS

Structural Engineering, Earthquake Engineering and Structural Dynamics, Experimental Engineering, Computational Mechanics

3. ACADEMIC APPOINTMENTS/EXPERIENCE

Kyoto University – Disaster Prevention Research Institute (DPRI), Japan

04/2017 – Today Specially-Appointed Assistant Professor

04/2015 – 03/2017 Post-Doctoral Fellow of the Japan Society for Promotion of Science (JSPS)
(under Prof. Masayoshi Nakashima)

02/2015 – 03/2015 Post-Doctoral Research Associate

09/2014 – 10/2014 Visiting Graduate Researcher (Nakashima & Kurata lab)

University of Patras – Department of Civil Engineering, Greece

08/2013 – 01/2015 Graduate Research Assistant

09/2008 – 04/2014 Graduate Teaching Assistant

University of Patras – Department of Chemical Engineering, Laboratory of Biochemical Engineering and Environmental Technology, Greece

07/2007 – 01/2008 Graduate Laboratory Assistant

4. PRACTICAL EXPERIENCE

University of Patras – Department of Civil Engineering08/2013 – 01/2015 **Design and Structural Research Engineer** in the project:

- 4.1. *Seismic Assessment and Retrofit of the Messenia's Administration Building (reinforced concrete) in City of Kalamata (Greece) according to Eurocodes and the Greek Code for Structural Inventions KANEPE.*

Engineer Directorate of Hellenic Army

01/2012 – 9/2012 **Project Designer and Quality/Supervisor Engineer** on structural and architectural projects of Hellenic Army, such as renovation of residences for military officers, construction of athletic facilities, rehabilitation of existing reinforced concrete and steel building structures:

- 4.2. *Retrofitting and Renovation of an Existing Masonry Building in the «Ilarchou Variti» Military Camp for the Construction of Six (6) Officer's Residences*
- 4.3. *Design and Construction of the Fiber Optic Cable Infrastructure and Offices to Support the Digitization of the Hellenic Army Archives*
- 4.4. *Renovation of the Senior Officers' Residences X2 and X3 in the «St. Andrew» Military Camp*
- 4.5. *Construction of the Hospitalization Wards in the Cardiology Clinic NIMTS and Repair of the Central Water Supply, Sewerage System and Pipe Network*
- 4.6. *Upgrade of the Road Network in the «Ilarchou Variti» Military Camp to Accommodate Heavy Military Vehicles*
- 4.7. *Construction of the Basketball Court in the «St. Andrew» Military Camp*

OTE ESTATE S.A. - Construction & Real Estate Company of the Hellenic Telecommunications Organization07/2008 – 07/2011 **Construction Quality/Supervisor Engineer** in the construction site of the project:

- 4.8. *Construction of a complex of shops, offices, food store, cafe-restaurant and residences with underground parking in Tarampoura, Patras, Greece."*
(Contractor Company: J&P Avax – Budget: 21 000 000 € – type: reinforced concrete structures)

SCA PACKAGING HELLAS S.A – Industrial and Commercial Packaging Company, Athens01/2007 – 06/2007 Part time work as **Assistant** of the Commercial Manager and Director on Economics

- 4.9. *Preparation of monthly financial and credit reports and Assistant manager of the three annexes of the company (Thessaloniki-Korinthos-Crete)*

AKON ATE (akontechniki.gr) – Construction Company, Athens06/2006 – 08/2006 & 06/2005 – 08/2005 Work as **Trainee Engineer/Internship**

- 4.10. *Design and Construction Supervision of Port and Road Structures for Public Construction Projects*

TAKIS KOUROUSIAS – Construction and Architecture Office, Athens06/2003 – 09/2003 Work as **Trainee Engineer/Internship**

- 4.11. *Design and Supervision of Residential Structures for Private Projects*

5. PROFESSIONAL AFFILIATIONS/MEMBERSHIP

- 10.1. Earthquake Engineering Research Institute (EERI) – 2/2018
- 10.2. International Association for Bridge and Structural Engineering (IABSE) – 5/2015
- 10.3. Architectural Institute of Japan (AIJ) – 2/2015
- 10.4. Greek Society of Civil Engineers – 7/2009
- 10.5. Technical Chamber of Greece (Registered as Qualified Licensed Engineer) – 3/2008

6. AWARDS – DISTINCTIONS

Excellent Research Lecture/Presentation Award on Conference

[^]Skalomenos KA, Shimada H, Inamasu H, Kurata M, Nakashima M (2017), An experimental study of the seismic response of BIEs using mechanical pins: In Proceedings of the Annual meeting of the Disaster Prevention Research Institute, DPRI, 21-22 February 2017, Kyoto University, Japan.

Excellent Graduation Thesis Prize of Architectural Institute of Japan (AIJ)

Hironari Shimada (2016), 初期偏心とガセットプレートを用いた剛性調律ブレースの開発 (Translation to English: Development of stiffness control steel braces using intentional eccentricity and gusset plates connections), Bachelor thesis, Faculty of Engineering, Kyoto University (co-supervision).

Japan Society for the Promotion of Science Post-Doctoral Fellowship April 2015 (among the 120 fellowships out of 1,139 applications; two fellows in structural engineering out of the 120).

Diploma in Civil Engineering with Distinction June 2007 (among the top 5% of students).

Best Conference Paper Award (2nd place)

Gkatzamanis TC, Skalomenos KA, Assessment and retrofitting of existing R/C building with pilotis using concrete column jackets, shear walls and break wall infills: In Proceedings of 13th Undergraduate Conference on Repair and Strengthening of Structures, 21-22 February 2007, Patras, Greece.

Journal Referee

- Earthquake Engineering and Structural Dynamics, Wiley
- Journal of Structural Engineering, ASCE
- Engineering Structures, Elsevier
- Soil Dynamics and Earthquake Engineering, Elsevier
- The Open Civil Engineering Journal, Bentham Open
- Thin-Wall Structures, Elsevier
- Steel and Composite Structures, *An International Journal*, Techno-Press

7. INVITED TALKS

- 7.1. Department of Civil and Environmental Engineering, University of Southampton, November 2018
- 7.2. Department of Civil and Environmental Engineering, University of Illinois at Urbana Campaign, March 2019
- 7.3. Department of Civil Engineering, University of Victoria, January 2019
- 7.4. School of Civil Engineering, University of Birmingham, December 2018
- 7.5. Department of Civil and Environmental Engineering, University of Southampton, November 2018
- 7.6. Department of Civil Engineering, Newcastle University, August 2018
- 7.7. Department of Civil and Environmental Engineering, University of California, Berkeley, February 2018
- 7.8. Department of Architecture and Architectural Engineering, Kyoto University, October 2017

- 7.9. Research Institute of Structural Engineering and Disaster Reduction, Tongji University, Shanghai, China, October 2017
- 7.10. Department of Civil Engineering, National Technology of Athens (NTUA), Greece, September 2017
- 7.11. On the Occasion of Retirement of Prof. Masayoshi Nakashima from Kyoto University, International Symposium, DPRI, Kyoto University, Japan, March 2017
- 7.12. Department of Architecture and Architectural Engineering, Kyoto University, October 2016
- 7.13. Department of Civil and Natural Resources Engineering, University of Canterbury, Christchurch, New Zealand, November 2016
- 7.14. Science Dialogue, JSPS Overseas Fellowship Division, Yamashiro High School, Kyoto, Japan, November 2016
- 7.15. International Workshop, DPRI, Kyoto University, Japan, June 2016
- 7.16. International Workshop, DPRI, Kyoto University, Japan, February 2016
- 7.17. International Symposium, DPRI, Kyoto University, Japan, May 2015
- 7.18. Science Dialogue, JSPS Overseas Fellowship Division, Wakasa High School, Fukui, Japan, September 2015
- 7.19. Department of Architecture and Architectural Engineering, Kyoto University, October 2015
- 7.20. International Workshop by Young Researchers, DPRI, Kyoto University, Japan, December 2014
- 7.21. Japan, International Workshop by Young Researchers, DPRI, Kyoto University, Japan, December 2014

8. SERVICE INSTITUTIONS AND ADMINISTRATION

- 8.1. Principal Organizer of the International Workshop by Disaster Prevention Research and Technical Institutes of Greece, China and Japan on: *Recent Advances in Analyzing and Strengthening the Resilience of Urban Areas Against Earthquake Disasters* (Institute of Engineering Seismology and Earthquake Engineering - Earthquake Planning and Protection Organization of Greece (ITSAK-EPPO, Institute of Engineering Mechanics (IEM), China Earthquake Administration, Disaster Prevention Research Institute (DPRI), Kyoto University), 27-28/06/2019.
- 8.2. Principal Organizer of the Japan-Greece International Workshop for Young Researchers on Structural Engineering: *Advanced Materials and Technology for Applications to Steel and Composite Steel/Concrete Structures* (Univ. of Bath, Univ. of Leeds, Univ. of Catania, Liverpool J-M University, Hellenic Open University), 7-8/12/2017.
- 8.3. Co-Organizer of International Workshop for Young Researchers on Earthquake Engineering: *Roles of Structural and Geotechnical Earthquake Engineering in Disaster Mitigation* (ETH Zurich, National Technical Univ. of Athens), 12/6/2016.
- 8.4. Participation in organization of the International Workshop for: *DPRI – QuakeCoRE student forum in Earthquake Engineering* (QuakeCoRE, Univ. of Auckland, Univ. of Canterbury), 26-27/2/2016.
- 8.5. Participation in organization of IABSE Conference: *Elegance in Structures, Nara, Japan*, 13-15/5/2015.
- 8.6. Member in the *Administrative council* of the Greek Society of Civil Engineers, 08/2013- 01/2015.
- 8.7. Member in the *National Representative Body* of the Technical Chamber of Greece, 11/2013- 01/2015.
- 8.8. Member in the *Representation of Western Greece branch* of the Technical Chamber of Greece, 04/2010- 01/2015.
- 8.9. Member in the *Administrative council* of Graduate Students of University of Patras, 07/2009- 01/2015.
- 8.10. President of the *Administrative council* of Undergraduate Students, Dept. of Civil Engineer, University of Patras, 05/2006-05/2007.

9. RESEARCH GRANTS AND PROJECTS

- 9.1. *Utilization of Rubberized Green Concrete to Enhance Dynamic Performance of Concrete-Filled Steel Tubular Columns Subjected to Seismic Loading*, Japan-ASEAN Science, Technology and Innovation Platform (JASTIP-Net 2018): Promotion of Sustainable Development Research, Collaborative Research Project between Malaysia and Japan, Malaysian Team Leader: Mariyana Aida Ab Kadir (Universiti Teknologi Malaysia), Japanese Team Leader: Konstantinos Skalomenos (Kyoto University) , FY 2018-2019 Role: **Co-Investigator (Co-I)**
- 9.2. *Numerical and Experimental Investigation of the Seismic Performance of Steel Braces with Stronger Middle Length Treated by Induction Hardening*, DPRI (Disaster Prevention Research Institute), New Exploratory Research, FY 2018-2019. Role: **Principal Investigator (PI)**
- 9.3. *International Workshop for Young Researchers*, Future Development Funding Program by the Kyoto University Research Coordination Alliance (KURCA). FY 2018-2019. Role: **Principal Investigator (PI)**
- 9.4. *Collection and Synthesis of Data Regarding Combined Structural and Non-structural Performance and Damage*, Tokyo Metropolitan Resilience Project of the National Research Institute for Earth Science and Disaster Resilience, Theme III (Team Leader M. Kurata): Holistic Assessment of Seismic Damage in Medical Facilities, Evaluation of Special Equipment and Functionality Loss in Disaster Management Base Facilities and E-Defense, PI: Akira Nishitani (Waseda Univ.), FY 2017-2031. Role: **Researcher**
- 9.5. *Ultimate Behavior of New-Type Cold-Formed Hollow Structural Section Columns (Steel BCP 325)*, Scholarship donations by Nippon Steel & Sumitomo Metal Co. Ltd, PI: Masahiro Kurata (Kyoto University), FY 2017-2018. Role: **Co-Investigator (Co-I)**
- 9.6. *Application of Induction Heat (IH) Treatment Technology in Large-Scale Structural Members: Development of High-Performance Steel Braces*, Scholarship donations by Netsuren, Co. Ltd, PI: Minehiro Nishiyama (Kyoto University), FY 2017-2018. Role: **Research Collaborator**
- 9.7. *International Workshop for Young Researchers in “Advanced Materials and Technology in Steel and Composite Steel/Concrete Structures”*, DPRI (Disaster Prevention Research Institute), Collaborative Research Program - Workshops and Symposia, FY 2017-2018. Role: **Co-Investigator (Co-I)**
- 9.8. *Development of Seismic Retrofit Technique and Design Method Capable of Reducing Local Deformation for Vitalizing Building Stocks*, Japan Society for the Promotion of Science, Grants-in-Aid for Scientific Research, Young Scientific Research, PI: Masahiro Kurata (Kyoto University), FY 2016-2019. Role: **Research Collaborator**
- 9.9. *Full-Scale Testing of High-Performance Steel Braces Consists of High-Strength and Low-Yield Steel Segments*, Scholarship donations by Kawakin Co. Ltd, PI: Kazuhiro Hayashi (Toyohashi University of Technology), FY 2016-2017. Role: **Research Collaborator**
- 9.10. *Seismic Performance of Vintage Japanese Braced-Frame Buildings Before and After Retrofit*, US National Science Foundation (NSF). PI: Andrew Sen (University of Washington), FY 2016. Role: **Research Collaborator**
- 9.11. *Establishment of Design Method for Self-Centering Composite Frames with Double-Skin CFT columns*, Japan Society for the Promotion of Science (JSPS), Grants-in-Aid for Scientific Research, JSPS Post-doctoral Fellowship, Host researcher: Masayoshi Nakashima (Kyoto University), FY 2015-2017. Role: **Co-Investigator (Co-I)**
- 9.12. *Seismic Assessment and Retrofit of the Administration Building (reinforced concrete) of Messenia Prefecture in City of Kalamata (Greece) according to Eurocodes and the Greek Code for Structural Interventions KANEPE*. Research participators: University of Patras (Dept. of Civil Engineering) and ITSAK - EPPO (Institute of Engineering Seismology and Earthquake Engineering - Earthquake Planning and Protection Organization of Greece). PI: Stavros Anagnostopoulos (University of Patras), FY 2013-2016. Role: **Graduate Research Assistant**
- 9.13. *Development of a financially-viable and complete biodiesel production system from crops of energy plants and utilization of by-products*. The Operational Programs of the “Interreg” Community Initiative,

Interreg IIIA Greece-Italy 2000-2006. PI: Gerasimos Lyberatos (Dept. of Chemical Engineering, Univ. of Patras), FY 2007-2008. Role: **Graduate Research Assistant**

10. PUBLICATIONS

Doctoral Thesis

Skalomenos KA, Seismic Performance of Plane Moment Resisting Frames with Concrete-Filled Steel Tube Columns and Steel I Beams, Ph.D. Thesis, Department of Civil Engineering, University of Patras, Greece, April 2014, 402 pages (written in English), <http://hdl.handle.net/10889/8442>

Papers in International Refereed Journals

- J1. Otsuki Y, Kurata M, Skalomenos KA, Ikeda Y, Akazawa M (2018), Fragility function development and seismic loss assessment of expansion joints, *Earthquake Engineering and Structural Dynamics* (accepted)
- J2. Xuchuan L, Kailai W, Skalomenos KA, Senlin Z, Lei L (2018), Development of a buckling-restrained shear panel damper with demountable steel-concrete composite restrainers, *Special Issue on Advances in Seismic Design and Assessment of Steel Structures, Soil Dynamics and Earthquake Engineering*, 118:221-230, <https://doi.org/10.1016/j.soildyn.2018.12.015>
- J3. Otsuki Y, Kurata M, Skalomenos KA, Ikeda Y (2018), Damage sequence and safety margin evaluation of expansion joints by shaking table tests, *Earthquake Engineering and Structural Dynamics*, 2018;1–24, <https://doi.org/10.1002/eqe.3120>
- J4. Zhang L, Marzano G, Sasaki Y, Kurata M, Skalomenos K (2018), Force redistribution of steel moment-resisting frame retrofitted with a minimal disturbance arm damper, *Special Issue on Advances in Seismic Design and Assessment of Steel Structures, Soil Dynamics and Earthquake Engineering*, 114:159-173, <https://doi.org/10.1016/j.soildyn.2018.06.035>
- J5. Skalomenos KA, Kurata M, Shimada H, Nishiyama M (2018), Use of induction heating in steel structures: material properties and novel brace design, *Journal of Constructional Steel Research*, 148: 112-123, <https://doi.org/10.1016/j.jcsr.2018.05.016>
- J6. Skalomenos KA, Nakashima M, Kurata M (2018), Seismic capacity quantification of gusset-plate connections to fracture for ductility-based design, *Journal of Structural Engineering of ASCE*, 144(10): 04018195, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0002193](https://doi.org/10.1061/(ASCE)ST.1943-541X.0002193)
- J7. Hayashi K, Skalomenos KA, Inamasu H, Luo Y-B (2018), Self-centering rocking composite frame using concrete-filled double-skin steel tubular columns and energy dissipating fuses in multiple locations, *Journal of Structural Engineering of ASCE*, 144(9):04018146, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0002157](https://doi.org/10.1061/(ASCE)ST.1943-541X.0002157)
- J8. Skalomenos KA, Kurata M, Nakashima M (2018), On-line hybrid test method for evaluating the performance of structural details to failure, *Earthquake Engineering and Structural Dynamics*, 47(3):555–572, <https://doi.org/10.1002/eqe.2979>
- J9. Serras D, Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2017), Inelastic behavior of circular concrete-filled steel tubes: monotonic versus cyclic response, *Bulletin of Earthquake Engineering*, 15(12):5413-5434, <https://doi.org/10.1007/s10518-017-0186-7>
- J10. Skalomenos KA, Inamasu H, Shimada H, Nakashima M (2017), Development of a steel brace with intentional eccentricity and experimental validation, *Journal of Structural Engineering of ASCE*, 143(8):04017072, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0001809](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001809)
- J11. Inamasu H, Skalomenos KA, Hsiao P-C, Hayashi K, Kurata M, Nakashima M (2017), Gusset plate connections for naturally buckling steel braces, *Journal of Structural Engineering of ASCE*, 143(8): 04017065, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0001794](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001794)

- J12. Serras D, Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2016), Modelling of circular concrete-filled steel tube columns subjected to cyclic lateral loading, *Structures of ICE*, 8(1): 75-93, <https://doi.org/10.1016/j.istruc.2016.08.008>
- J13. Skalomenos KA, Hayashi K, Nishi R, Inamasu H, Nakashima M (2016), Experimental behavior of concrete-filled steel tube columns using ultra-high strength steel, *Journal of Structural Engineering of ASCE*, 142(9):04016057, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0001513](https://doi.org/10.1061/(ASCE)ST.1943-541X.0001513)
- J14. Kamaris G, Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2016), Seismic damage estimation of in-plane regular steel/concrete composite moment resisting frames, *Engineering Structures*, 115: 67-77, <https://doi.org/10.1016/j.engstruct.2016.01.053>
- J15. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Seismic behavior of composite steel/concrete MRFs: deformation assessment and behavior factors, *Bulletin of Earthquake Engineering*, 13(12): 3871-3896, <https://doi.org/10.1007/s10518-015-9794-2>
- J16. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Application of the hybrid force/displacement (HFD) seismic design method to composite steel/concrete plane frames, *Journal of Constructional Steel Research*, 115: 179-190, <https://doi.org/10.1016/j.jcsr.2015.08.007>
- J17. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2015), Modelling level selection for seismic analysis of concrete-filled steel tube/moment resisting frames by using fragility curves, *Earthquake Engineering and Structural Dynamics*, 44(2): 199-220, <https://doi.org/10.1002/eqe.2465>
- J18. Skalomenos KA, Hatzigeorgiou GD, Beskos DE (2014), Parameter identification of three hysteretic models for the simulation of the response of CFT columns to cyclic loading, *Engineering Structures*, 61, 44-60, <https://doi.org/10.1016/j.engstruct.2014.01.006>

Papers in Refereed Conference Proceedings (^Δ denotes presenting author)

- C1. ^ΔSkalomenos KA, Kurata M, Fukutomi Y, Nishiyama M, Evaluation of cyclic behavior of steel braces with stronger middle length treated by induction hardening: In Proceedings of 11th NCEE U.S. National Conference on Earthquake Engineering, 25-29 June 2018, Los Angeles, US
- C2. ^ΔSerras D, Hatzivassiliou M, Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Three-dimensional composite buildings subjected to repeated earthquakes: In Proceedings of 16th ECCE European Conference in Earthquake Engineering, 18-21 June 2018, Thessaloniki, Greece
- C3. ^ΔHayashi K, Skalomenos KA, Inamasu H, Seismic performance of a controlled-rocking concrete-filled steel tube/moment resisting frame: In Proceedings of 16th ECCE European Conference in Earthquake Engineering, 18-21 June 2018, Thessaloniki, Greece
- C4. ^ΔSkalomenos KA, Kurata M, Shimada H, Nishiyama M, Braces with intentional eccentricity and partial cross-sectional strength enhancement by quenching: In Proceedings of 16th ECCE European Conference in Earthquake Engineering, 18-21 June 2018, Thessaloniki, Greece
- C5. Anagnostopoulos SA, ^ΔLekidis V, Skalomenos KA, Morfidis K, Karakostas C, Salonikios T, Seismic assessment and retrofit scenarios for administration building of Kalamata: In Proceedings of 16th ECCE European Conference in Earthquake Engineering, 18-21 June 2018, Thessaloniki, Greece
- C6. ^ΔSkalomenos KA, Shimada H, Kurata M, Nakashima M, On-line testing of brace connections using non-linear substructuring and force-displacement combined control: In Proceedings of 9th STESSA, Behavior of Steel Structures in Seismic Areas, 14-17 February 2018, Christchurch, New Zealand
- C7. Kamaris GS, ^ΔSkalomenos KA, Hatzigeorgiou GD, Beskos DE, An empirical methodology for seismic damage control of CFT-MRFs, In Proceedings of 9th STESSA, Behavior of Steel Structures in Seismic Areas, 14-17 February 2018, Christchurch, New Zealand
- C8. Serras D, Skalomenos KA, ^ΔHatzigeorgiou GD, Beskos DE, Nonlinear model for circular concrete-filled steel tubes under monotonic loading: In Proceedings of 9th Hellenic National Conference of Steel Structures, 5-7 October, 2017, Larisa, Greece

- C9. [^]Skalomenos KA, Shimada H, Kurata M, Nakashima M, Feasibility of hybrid simulation for testing steel connections of braces with intentional eccentricity: In Proceedings of 8th EUROSTEEL European conference on Steel and Composite Structures, 13-15 September 2017, Copenhagen, Denmark
- C10. [^]Inamasu H, Skalomenos KA, Hsiao PC, Hayashi K, Kurata M, Nakashima M, Experimental investigation of bolt-configured naturally buckling brace with gusset plate connection: In Proceedings of 16th WCEE World Conference on Earthquake Engineering, 9-13 January 2017, Santiago, Chile
- C11. [^]Skalomenos KA, Inamasu H, Shimada H, Nakashima M, Experimental investigation of steel braces installed with intentional eccentricity using gusset plate connections: In Proceedings of 16th WCEE World Conference on Earthquake Engineering, 9-13 January 2017, Santiago, Chile
- C12. [^]Skalomenos KA, Inamasu H, Shimada H, Nakashima M, Seismic behavior and physical theory model of a steel brace with intentional eccentricity: In Proceedings of 11th PSSC Pacific Structural Steel Conference, 29-31 October 2016, Shanghai, China, 1116-1122
- C13. Kamaris GS, [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Damage evaluation of plane regular CFT-MRFs subjected to far-fault ground motions: In Proceedings of 11th PSSC Pacific Structural Steel Conference, 29-31 October 2016, Shanghai, China, 1044-1049
- C14. Kamaris GS, Skalomenos KA, [^]Hatzigeorgiou GD, Beskos DE, Simple expressions for seismic damage assessment of CFT-MRFs: In Proceedings of 11th HSTAM International Congress on Mechanics, 27-30 May 2016, Athens, Greece.
- C15. [^]Serras D, Skalomenos KA, Hatzigeorgiou GD, Beskos DE, On the nonlinear cyclic behavior of circular concrete-filled steel tubes: In Proceedings of 8th GRACM International Congress on Computational Mechanics, 12-15 July 2015, University of Thessaly, Volos, Greece
- C16. [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, A design approach for composite framed structures using the hybrid force/displacement (HFD) seismic method: In Proceedings of 8th STESSA International Conference on Behavior of Steel Structures in Seismic Areas, 1-3 July 2015, Tongji University, Shanghai, China, 1458-1465
- C17. [^]Kamaris GS, Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Simple formulae for damage estimation of composite steel/concrete moment resisting frames: In proceedings of 5th COMPDYN International conference on Computational Methods in Structural Dynamics and Earthquake Engineering, M. Papadrakakis, V. Papadopoulos, V. Plevris (eds.), 25–27 May 2015, Crete Island, Greece
- C18. [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Seismic yield displacement of composite steel/concrete plane frames: In Proceedings of 8th Hellenic National Conference of Steel Structures, 2-4 October 2014, Tripoli, Greece
- C19. [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Modelling of CFT/MRFs using fragility curves: In Proceedings of 7th EUROSTEEL European conference on Steel and Composite Structures, 10-12 September 2014, Napoli, Italy
- C20. [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Determination of Bouc-Wen hysteretic model parameters for simulating the seismic behavior of CFT columns: In Proceedings of 10th HSTAM International Congress on Mechanics, 25-27 May 2013, Chania, Crete

Technical Papers in Conference Proceedings and Workshops

- T1. Skalomenos KA, Morfidis K, Lekidis V, Anagnosotopoulos SA, Performance-based seismic assessment of the administration building of prefecture of Messinia in Greece based on the European Codes: In 4th Global Summit of Research Institutes for Disaster Risk Reduction, Global Alliance of Disaster Research Institutes, GADRI, 13-15 March 2019, Kyoto, Japan
- T2. Najmi Mastor MN, Mariyana AK, Skalomenos KA, Abdul Rahman MS, Nurizaty Z, Shek PN, Ramli MZ, Utilization of green concrete filled hollow steel column as an earthquakes resistant structure: In 4th Global Summit of Research Institutes for Disaster Risk Reduction, Global Alliance of Disaster Research Institutes, GADRI, 13-15 March 2019, Kyoto, Japan

- T3. [^][Skalomenos KA](#), Kurata M, Fukutomi Yu, Nishiyama M, Cyclic behavior of steel braces treated in the middle by induction hardening technology: In the 20th Taiwan-Japan-Korea Joint Seminar on Earthquake Engineering for Building Structures (SEEBUS 2018), 2-3 November 2018, Campus Plaza Kyoto, Kyoto, Japan
- T4. [^]Shimada H, Inamasu H, [Skalomenos KA](#), Kurata M., Evaluation of the backbone curve equation of steel brace with intentional eccentricity: In 26th JSSC (Japan Society of Steel Construction) Proceedings of the Constructional Steel Symposium, Academic Session, Vol 26, 15 -16 November 2018, Tokyo Fashion Town, Tokyo, Japan
- T5. [^]Kurata M, Otsuki Y, [Skalomenos KA](#), Ikeda Y, Seismic performance assessment of expansion joints through shaking table test, Part I: Test plans and results: In Proceedings of the Annual Meeting of the Architectural Institute of Japan, AIJ, 4 - 6 September 2018, Tohoku University, Sendai, Japan
- T6. [^]Otsuki Y, Kurata M, [Skalomenos KA](#), Ikeda Y, Seismic performance assessment of expansion joints through shaking table test, Part II: Development of fragility functions and reliability analysis: In Proceedings of the Annual Meeting of the Architectural Institute of Japan, AIJ, 4 - 6 September 2018, Tohoku University, Sendai, Japan
- T7. [^]Marzano G, Sasaki Y, [Skalomenos KA](#), Kurata M, Multi Retrofitting scenarios with minimal-disturbance arm damper: In Proceedings of the Annual Meeting of the Architectural Institute of Japan, AIJ, 4 - 6 September 2018, Tohoku University, Sendai, Japan
- T8. [^][Skalomenos KA](#), Shimada H, Kurata M, Steel braces with high-post yielding stiffness and stable compression behavior, Part I: Validation by cyclic testing: In Proceedings of the Annual Meeting of the Architectural Institute of Japan, AIJ, 4 - 6 September 2018, Tohoku University, Sendai, Japan
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- T30. [^]Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Estimation of seismic drift and ductility demands in composite framed structures: a design approach: In Proceedings of the International Workshop on

Application of Structural Engineering and Structural Health Monitoring to Historic Buildings, DPRI, 19 December 2014, Kyoto University, Kyoto, Japan

Research and Technical Reports

- R1. Anagnostopoulos SA, Lekidis V, Morfidis K, Skalomenos KA, Karakostas C, Salonikios T, Antonopoulos T. Investigation of the Seismic Adequacy and Strengthening of the Administration Building of Prefecture of Messinia, Greece: Final Report part 3, March 2015, Department of Civil Engineering, University of Patras and Institute of Engineering Seismology and Earthquake Engineering 110 p. (in Greek)
- R2. Anagnostopoulos SA, Lekidis V, Morfidis K, Skalomenos KA, Karakostas C, Salonikios T, Antonopoulos T. Investigation of the Seismic Adequacy and Strengthening of the Administration Building of Prefecture of Messinia, Greece: Final Report parts 1 and 2, March 2015, Department of Civil Engineering, University of Patras and Institute of Engineering Seismology and Earthquake Engineering, 141 p. (in Greek)

Chapters/Papers in Books

- B1. Skalomenos KA, Hatzigeorgiou GD, Beskos DE, Seismic Analysis and Design of Composite Steel/Concrete Building Structures Involving Concrete-Filled Steel Tubular Columns. In: Pitolakis K. (Eds.) *Recent Advances in Earthquake Engineering in Europe*. ECEE. Geotechnical, Geological and Earthquake Engineering, Vol. 46: pp. 387-411. Springer, Cham, 2018
- B2. Skalomenos KA, Shimada H, Kurata M, Nakashima M, On-line testing of brace connections using non-linear substructuring and force-displacement combined control. In: F.M. Mazzolani, G.A. MacRey, G.C. Clifton, (Eds.) *Key Engineering Materials*, Vol. 763: pp. 510-517. Trans Tech Publications, Switzerland, 2018
- B3. Kamaris GS, Skalomenos KA, Hatzigeorgiou GD, Beskos DE, An empirical methodology for seismic damage control of CFT-MRFs. In: F.M. Mazzolani, G.A. MacRey, G.C. Clifton, Editors, (Eds.) *Key Engineering Materials*, Vol. 763: pp. 75-81. Trans Tech Publications, Switzerland, 2018
- B4. Skalomenos KA, Nakashima M, Hayashi K, Inamasu H, Structural systems with enhanced seismic resilience using high-performance steels. In: D. Beskos, Y. Zhou, J. Qian, X. Lu (Eds), Proceedings of the International Workshop on Performance Based Seismic Design of Structures: *Resilience, Robustness*, Tongji University, pp. 94-101. Shanghai, China, October 2017
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Notes

- N1. Skalomenos KA (2018), Discussion on 1) “Dynamic response of a finite beam resting on a Winkler foundation to a load moving on its surface with variable speed” by ND Beskou and MV Muho [Soil Dyn. Earthq. Eng. 109(2018), 222–226] and 2) “Dynamic response of an infinite beam resting on a Winkler foundation to a load moving on its surface with variable speed” by MV Muho and ND Beskou [Soil Dyn. Earthq. Eng. 109(2018), 150–153], *Soil Dynamics and Earthquake Engineering* (in press)

11. VARIOUS SKILLS

Languages	Greek (Native) English (Fluent) Japanese (Elementary)
Computer Programs	ABAQUS • OpenSees • SAP2000 • ANSYS • ATENA 3D • RUAUMOKO 2D&3D • GID • FORTRAN • MATLAB • AutoCAD • E-TABS
Lab Experience	Quasi-static testing, Shaking table testing, Hybrid online testing, Substructure-based test methods, Equipment operation control, Test set-up connectivity, Maintenance

Analysis Experience Advanced finite element analysis, Non-linear modelling of concrete and steel, Fracture simulation and collapse analysis, Seismic hazard and seismic fragility analysis

Master Coursework Attended

Seismic Design of Reinforced Concrete Buildings • Earthquake Engineering and Earthquake Resistant Structures • Retrofit of Existing Structures • Advanced Mechanics of Structures • Dynamic Analysis of Structures by the Finite Element Method • Seismic Design of Steel Structures • Engineering Seismology and the Earthquake Response of Structures • Systems for Seismic Protection of Structures

PhD Coursework Attended

Experimental Methods in Earthquake Engineering • Geotechnical Earthquake Engineering • Soil Dynamics • Deep Supported Excavations/Deep Foundations

Series of Lectures Attended

Basic Seismology for Seismic Hazard Analysis, John Anderson, 2018, Kyoto University

Training Seminars Attended

FEMA P-58: New Tools and Guidance for Performance-Based Seismic Design, FEMA & ATC, 2018, Los Angeles, California