

## Simos Gerasimidis, Ph.D.

Assistant Professor  
University of Massachusetts Amherst  
College of Engineering  
Department of Civil and Environmental Engineering  
130 Natural Resources Road, Amherst, MA 01003  
Tel: 917.833.7574

Email: [sgerasimidis@umass.edu](mailto:sgerasimidis@umass.edu), [simos.gerasimidis@gmail.com](mailto:simos.gerasimidis@gmail.com)

### Education

---

- 2011-2015 **Columbia University, NY, USA**  
Post-Doctoral Research Fellow in Civil Engineering and Engineering Mechanics  
Research Topic: **“Progressive Collapse and Resilience of Structures”**  
Supervisors: Prof. George Deodatis, Prof. Raimondo Betti
- 2007-2011 **Aristotle University of Thessaloniki, Greece**  
Doctor of Philosophy (Ph.D.) in Civil Engineering with honors  
Ph.D. Thesis Title: **“Alternate Load Path Methods for Disproportionate Collapse Analysis of Steel Structures via Direct Methods of Plasticity”**  
Supervisors: Prof. Charalampos Baniotopoulos, Prof. George Deodatis, Prof. Christos Bisbos
- 2005-2006 **MIT, MA, USA**  
Master of Engineering in Civil and Environmental Engineering  
Followed the track of High Performance Structures  
Individual thesis title: **“Application of knee-bracing system on high-rise buildings”**  
Group thesis title: **“Cable-stayed Steel Bridge over the Cape Cod Canal”**  
Advisor: Prof. Jerome J. Connor
- 1999-2005 **Aristotle University of Thessaloniki, Greece**  
Diploma, M. Eng., in Civil Engineering specialized in Structural Engineering  
Thesis Topic: **“Study of the behavior of the Steel Roof of the Olympic Stadium in Athens because of possible cable failures”**  
Advisor: Prof. Charalampos Baniotopoulos

### Research

---

- 2011-2015 **Columbia University - Post-Doctoral Research Fellow**  
***Progressive collapse of Buildings (2011-2015)***
- Research in the field of Steel Structures and Progressive Collapse, Robustness and Resilience through computational and analytical methods, funded by the Department of Homeland Security (DHS). Ongoing work via nonlinear computational FEM push-down analysis has identified new, more critical loss-of-stability induced collapse mechanisms, either by local buckling phenomena or by a loss of global-system stability.
  - Development of a novel analytical methodology which can determine the governing collapse mechanism of a damaged steel structure based on simple procedures, so that it can be easily performed by structural engineers.
  - The project has realized a collaboration between academia and industry. The academic partner has been Columbia University and the Industrial partner has been Weidlinger Associates INC., a world leading applied research structural engineering firm based in New York City.
  - The originality of the work is based on stability induced progressive collapse, either due to individual-member buckling or global-system loss-of-stability mechanisms and the development of a novel analytical methodology to determine the governing collapse mechanism of damaged steel structures based on simple procedures.

***Progressive collapse and health monitoring of Bridges (2014-today)***

- Since April 2014, main researcher for a new project on Progressive Collapse and Resilience of Steel Highway Bridges, funded by the Federal Highway Administration (FHWA).

***Fire & Progressive collapse of Steel Structures (2014-today)***

- Since March 2014, main researcher for a new project between Columbia University and Princeton University in the field of Fire Analysis and the effects on the Stability Induced Progressive Collapse Modes of Steel Buildings.

***Blast & Progressive collapse of Structures (2014-today)***

- Since January 2014, main researcher for a collaboration between Columbia University and the University of Mississippi in the field of Blast Analysis of Steel Buildings.

***Analysis of “Next Generation” Steel Wind Turbine Towers (2012-today)***

- Member of Actions 3, 7 & 8 on the computational modeling of local buckling phenomena in super-tall wind turbine structures (>100m).
- Development of stiffening techniques to improve local and global stability resistance of super-tall wind turbine towers.
- Funded by the Greek National Strategic Reference Framework (NSRF).

***High Strength Tubular Towers for Steel Wind Turbines 2 - HISTWIN2 (2011-2012)***

- Member of WP2: “Optimization of foundation for high rise steel tower” and WP5: “Optimal range of application of different structural concepts”.
- Funded by the European Commission, Research Fund for Coal and Steel (RFCS).

2007-2011

**Aristotle University of Thessaloniki Ph.D.**

- Addressed the assessment of the collapse load of steel frames for the event of initial damage of structural elements in the spirit of limit and shakedown analysis of damaged structures.
- Global robustness measures were developed for steel structures using the so-called direct methods of plasticity coupled with FEM. The computational realization was based on a combination of a linear FEM research code with linear programming software.
- The originality of the work lies on the computational approach regarding the quantification of the problem of progressive collapse in its general form and the definition of global robustness measures.

***European COST action TU0601, “Robustness of structures” (2010-2011)***

- Member of Working group 2, “Modeling of exposures and vulnerability”.
- Responsible, among others, for creating the fact sheet regarding the “Robustness of steel structures” as a deliverable of the project.
- Part of the research group from Aristotle University representing Greece in the project.

***European COST action C26, “Urban Habitat Constructions & Catastrophic Events” (2007-2010)***

- Member of Working Group 4: “Risk assessment and catastrophic events”.
- Member of the committee on the study case of the volcano Vesuvius in Napoli, Italy.

2002

**Queen’s University, Kingston, ON, Canada**

- Built and prepared in laboratory concrete beams and worked on investigating the freeze – thaw durability of the bond of fiber reinforced polymer (FRP) sheets to concrete beams.
- Part of I.A.E.S.T.E. program (International Association for the Exchange of Students for Technological Experience).

2001-2004

**EU FP5 project “Rediscovering the Urban Realm and Open Spaces”**

- Built and worked on a new meteorological station with equipment measuring sound, light, and humidity.

## Publications

---

- 12 Referred Journal Publications and 2 Referred Journal Publications Under Review.
- 31 Conference Publications.
- See list of Publications for detailed information.

## Teaching

---

### 2013-2015 **Columbia University**

#### ***Ph.D Thesis Advising***

- ***Thaleia Kontoroupi***, Graduate student on PhD track. 3D nonlinear progressive collapse analysis of steel buildings accounting for loss of stability (from January 2013 to July 2013). Primary Advisor: Prof. George Deodatis.
- ***Jenny Sideri***, Graduate student on PhD track. Dynamic buckling progressive collapse mechanisms of steel moment frames. Primary Advisor: Prof. George Deodatis.
- ***Athina Spyridaki***, Graduate student on PhD track. Analytical methods for determining progressive collapse of steel structures under column removal. Primary Advisor: Prof. George Deodatis.
- ***Yujie Yan, Maura Torres***, Graduate student on MS track. Global loss-of-stability collapse modes of 2D and 3D steel buildings. Primary Advisor: Prof. George Deodatis.

#### ***Course Development***

- Since March 2014, developing a graduate course on Progressive Collapse, Robustness and Resilience of Structures with Prof. Robert Ratay. The course will be part of the Master's Program and the Forensic (Structural) Engineering Concentration.

### 2008-2011 **Aristotle University of Thessaloniki, Steel Structures Teaching Assistant**

- Teaching assistant for the undergraduate courses: Steel Structures I & Steel Structures II.
- Assisted students individually with homework problems/material they found difficult to understand and performed oral exams for the individual project.

### 2006 **MIT, Steel Structures Teaching Assistant**

- Teaching assistant for the graduate course: Design of Steel Structures.
- Assisted students individually with homework problems.

## Professional Experience - Consulting

---

### 2008-2011 **Licensed Structural Engineer, Thessaloniki, Greece**

- Designed from the conceptual stage to the construction drawings the two major interventions on the biggest Byzantine monuments of Thessaloniki, **the Rotunda and the Eptapyrgion**. Both interventions were part of a project improving the accessibility of Byzantine monuments, the design and the construction of which were funded by the European Union and the Greek Program of Public Works through the Ministry of Culture.
  - The Rotunda intervention included the complete design and supervision of a **Steel Truss Footbridge** spanning 19m above Byzantine antiquities and connecting today's street level and the monument level, allowing for the long-awaited opening of the prestigious emperor's entrance of the monument.
  - The Eptapyrgion intervention included the complete design and supervision of two steel ramps through a Byzantine fortifying wall.
- Worked as a consulting engineer mainly on the design and supervision of construction of private buildings and other structures made of steel, concrete and timber. Cooperated with public agencies, design/architectural offices and construction companies.

### 2006-2007 **Thornton Tomasetti Engineers, New York, NY, USA**

- Worked in the team designing the new steel/concrete **New York Yankees Stadium** under the direction of Tom Scarangelo and Mike Squarzini, based in the Bronx, NY. Represented the firm in meetings with

the contractor and the architect and in structural supervisions at the construction site. Supervised different parts of the stadium, including concrete foundation, concrete superstructure and steel construction on site. Part of the team that reviewed and checked all the concrete and steel shop drawings. Part of the team modeling and updating the geometry of the structure of the stadium using a structural building information modeling (BIM) system (TEKLA).

- Calculated and modeled the steel high-rise tower for the Chicago Spire project under the direction of Tom Scarangelo, architecturally designed by **Santiago Calatrava**, a 2000ft high tower at Chicago.
- Worked closely with managing principal Manny Velivassakis for the formation of HATS (Hellenic American Technical Society), based in New York City.
- Represented the firm in the annual Civil and Environmental Engineering Department Career Fair in 2007, at Massachusetts Institute of Technology (MIT).

#### 2003-2004 **Santiago Calatrava SA, Athens, Greece**

- Calculated and remodeled in detail:
  - the emblematic Arch/Dome-like steel structures for the coverage of the main **Olympic Stadium and the Olympic Velodrome**,
  - the Steel superstructure and foundation of the **"AGORA"**,
  - the Steel **"Entrance Canopies"**,
  - the Frame-type Steel structure for the **"Nations' Wall"**,
  - the Tubular-Steel structure for the **"MONUMENT"**, and
  - the **cable-stayed Steel footbridge "CALATRAVA"**, at the **"KATEHAKI"** metro station (Project Owner ATTIKO METRO S.A.).
- Calculated and designed various special structures, like the light removable structure of the side-lateral shading system for the perimeter of the Velodrome and the construction of the rigid protective wall, made of steel framework and transparent polycarbonate panels, on the central island of the cycling tracks area of the Velodrome, various building structures (reinforced concrete) for the various new electro-mechanological installations (substations, workshops, electro shops, etc.), various new constructions of reinforced concrete arranged within the Surrounding area of O.A.K.A., such as various retaining walls, high masts' foundations, water fountains, large/high external staircases and conducted studies for the structural adequacy and for the possible reinforcing requirements for various existing structures, inside the surrounding area of O.A.K.A., due to the addition of new steel and concrete structures upon the old ones.

#### Summer '00 **Design & Structure Engineering Company, Thessaloniki, Greece**

- Organized under the direction of the head engineer, the building of small technical plants for the Greek Telecommunication Organization (O.T.E.).

#### **Awards**

---

- Post-Doctoral Scholarship from the Pan-Hellenic Association of Kappadocian Unions and the "Family of Filippou Savvopoulos" (2011).
- 3-year IRAKLITOS II PhD Scholarship from the Greek General Secretariat for Research and Technology (2010).

#### **Leadership**

---

##### 2010-2011 **Greek Society of Civil Engineers**

- Elected member of the 15 member national board (July 2010 – September 2011).

##### 2008-2011 **Department of Civil Engineering, Aristotle University of Thessaloniki**

- Elected treasurer of the Graduate Students Association for two consecutive years (since 2008).
- Graduate students' representative at the committee of public relations, social liaison and promotion of the Department of Civil Engineering (since 2009).

**Professional Memberships - Service**

---

- Member of the Structural Stability Research Council (SSRC).
  - Member of the Task Group 2: Systems: Stability of Steel Systems, Especially Frames.
  - Member of the Task Group 6: Extreme Loads: Stability under Extreme Loads.
- Member of the Progressive Collapse working group of the Council of Tall Buildings and Urban Habitat (CTBUH).
- Member of the American Society of Civil Engineers (ASCE).
- Member of the National Committee of Young Engineers (Greek Technical Chamber).
- Member of the Technical Chamber of Greece.
- Member of the Association of Civil Engineers of Greece.
- Certified Professional Licensed Civil Engineer in Greece (1st Degree Level).
- Journal Reviewer:
  - Structure and Infrastructure Engineering (Taylor and Francis).
  - Journal of Wind Engineering and Industrial Aerodynamics (Elsevier).
  - Structural Engineering and Mechanics (Techno Press).
  - Engineering Structures (Elsevier).

**Invited Lectures**

---

- 2015      **Johns Hopkins University, Department of Civil Engineering, Baltimore, MD, USA**  
Invited lecture on "Infrastructure Resilience and Robustness of Structures to Extreme Events".
- 2015      **University of Illinois at Urbana-Champaign, Department of Civil and Environmental Engineering, Urbana, IL, USA**  
Invited lecture on "Urban Infrastructure Resilience to Extreme Events".
- 2015      **UMass, Department of Civil and Environmental Engineering, Amherst, MA, USA**  
Invited lecture on "Infrastructure Resiliency and Robustness of Structures".
- 2015      **New Jersey Institute of Technology (NJIT), Department of Civil and Environmental Engineering, Newark, NJ, USA**  
Invited lecture on "Infrastructure Resilience".
- 2013      **MIT, Department of Civil and Environmental Engineering, Boston, MA, USA**  
Invited lecture on "Infrastructure Resiliency and Robustness of Structures".
- 2012      **University of Birmingham, Department of Civil Engineering, UK**  
School of Engineering, Invited lecture on "Robustness and progressive collapse of building structures", for the workshop "Wind-Energy-Structures".

**Awards – Grants**

---

- 2015      **Open Education Initiative Award, University of Massachusetts, Amherst**  
Awarded for the graduate class on Structural Stability - CEE549 (\$1000).
- 2015      **Research Support Fund, University of Massachusetts, Amherst**  
Awarded for a collaboration with Prof. Betti at Columbia University (\$1000).
- 2015      **CEE Honors Research Assistant Fellowship, University of Massachusetts, Amherst**  
Honors Undergraduate Fellowship for Student Tracy Donoghue (\$500).

**Skills**

---

- Software
  - Word, Excel, PowerPoint, AUTOCAD, Architectural Desktop,
  - ABAQUS, ETABS, SAP 2000, MSN NASTRAN, Adina Nonlinear, FAGUS, STRAND STRAUSS, RISA, TEKLA, MOSEK Optimization Software, Matlab (Mathworks).
- Languages
  - Proficient: English, Greek;
  - Conversational: German;
  - Basic: Spanish.

**Activities**

---

- Scientific Missions / Workshops
  - Attended the annual workshop on Environmental Risk due to Natural Hazards. Universita di Firenze, Firenze, Italy, May 25th – June 2nd, 2008.
  - Visitor at University of Naples "Federico II", Napoli, Italy, under the form of Short Term Scientific Mission. Project funded by COST action C26.
- Since 2007, main editor in the architectural e-magazine [www.greekarchitects.gr](http://www.greekarchitects.gr)

## List of Publications

### Journal Publications

1. **Gerasimidis S.**, Kickle B., Moon K., Pantidis P., Diagrid Structural System for High-Rise Buildings: A first approach to a stiffness-based optimization, (in preparation).
2. Pantidis, P., **Gerasimidis S.**, New Euler-type progressive collapse curves for 2D steel frames, (in preparation).
3. **Gerasimidis S.**, Khorasani, N.E., Garlock M., Pantidis P., Glassman, J., The resilience of a multi-story damaged steel moment framed building with multi-hazard post-event fire consideration, (in preparation).
4. Sideri J., Mullen C.L., **Gerasimidis S.**, Deodatis G., Distributed Column damage effect on progressive collapse vulnerability in steel buildings exposed to an external blast event, (submitted for review April 2016).
5. **Gerasimidis S.**, Deodatis G., Yan Y., Ettouney M., Global instability induced failure of tall buildings, *ASCE Journal of Performance of Constructed Facilities* (accepted for publication).
6. **Gerasimidis S.**, Sideri T., (2016). A new partial distributed damage method for progressive collapse analysis of buildings, *Journal of Constructional Steel Research*, Volume 119, pp. 233-245.
7. Stavridou N., Efthymiou E., **Gerasimidis S.**, Baniotopoulos C.C., (2015). Investigation of stiffening schemes effectiveness towards buckling stability enhancement in tubular steel wind turbine towers, *Steel and Composite Structures*, Volume 19 (5), pp. 324-331.
8. **Gerasimidis S.**, Baniotopoulos C.C., (2015). Progressive collapse mitigation of 2D steel moment frames - Assessment of the effect of different strengthening schemes, *Stahlbau*, Volume 84 (5), pp. 324-331.
9. **Gerasimidis S.**, Kontoroupi T., Deodatis G., Ettouney M., (2015). Loss-of-stability induced progressive collapse modes in 3D steel moment frames, *Structure and Infrastructure Engineering*, Volume 11 (3), pp. 334-344.
10. **Gerasimidis S.**, (2014). Analytical assessment of steel frames progressive collapse vulnerability to corner column loss, *Journal of Constructional Steel Research*, Volume 95, pp. 1-9.
11. **Gerasimidis S.**, Bisbos C.D., Baniotopoulos C.C., (2013). A computational model for full or partial damage of single or multiple adjacent columns in disproportionate collapse analysis via linear programming, *Structure and Infrastructure Engineering*, 10 (5), pp. 670-683.
12. **Gerasimidis S.**, Bisbos C.D., Baniotopoulos C.C., (2012). Vertical geometric irregularity assessment of steel frames on robustness and disproportionate collapse, *Journal of Constructional Steel Research*, Volume 74, pp. 76-89.
13. **Gerasimidis S.**, Ampatzis A., Bisbos C.D., (2012). A mathematical programming computational model for disproportionate collapse analysis of steel building frames, *Optimization Letters*, Volume 6, Number 3, pp. 525-535.
14. **Gerasimidis S.**, Baniotopoulos C.C., (2011). Evaluation of wind load integration in disproportionate collapse analysis of steel moment frames for column loss, *Journal of Wind Engineering and Industrial Aerodynamics*, Volume 99, Issue 11, pp. 1162-1173.
15. **Gerasimidis S.**, Baniotopoulos C.C., (2011). Steel moment frames column loss analysis: the influence of time step size, *Journal of Constructional Steel Research*, Volume 67, Issue 4, pp. 557-564.
16. **Gerasimidis S.**, Baniotopoulos C.C., (2011). Disproportionate collapse analysis of cable-stayed steel roofs for cable loss, *International Journal of Steel Structures*, Volume 11, Number 1, pp. 91-98.

17. **Gerasimidis S.**, Efthymiou E, Baniotopoulos C.C., (2009). On the application of robustness criteria to steel lattice masts, *POLLACK Periodica*, Volume 4, Number 1, pp. 17-28.

#### Conference publications-presentations

1. Pantidis, P., **Gerasimidis, S.** (2016), New Euler-type progressive collapse curves for 3D steel frames, *Engineering Mechanics Institute Conference*, Nashville, TN, USA.
2. Sideri, J., Mullen, C., **Gerasimidis, S.**, Deodatis, G., Progressive collapse vulnerability of 3D high rise steel buildings under external blast loading, *Engineering Mechanics Institute Conference*, Nashville, TN, USA.
3. Pantidis, P., **Gerasimidis, S.** (2016), New Euler-type progressive collapse curves for steel frames, SSRC Stability Conference, Orlando, FL, USA.
4. Stavridou, N., Efthymiou, E., **Gerasimidis, S. &** Baniotopoulos, C.C. (2015), On the Buckling Analysis of Steel Tubular Wind Turbine Towers with vertical and horizontal stiffeners, Proc. ICOCEE, Cappadocia, Nevsehir, Turkey, 2015.
5. Torres M., **Gerasimidis S.**, Deodatis G., Ettouney M. (2015), Long Wave Buckling Instability Study for Progressive Collapse of Tall Steel Moment Frames, *Engineering Mechanics Institute Conference*, Stanford, CA, USA.
6. Spyridaki A., **Gerasimidis S.**, Deodatis G., Ettouney M. (2015), Analytical identification of progressive collapse modes of 3D steel frames through new Euler-type progressive collapse curves, *Engineering Mechanics Institute Conference*, Stanford, CA, USA.
7. Sideri J., **Gerasimidis S.**, Deodatis G., Ettouney M. (2015), The effect of partial distributed damage on the progressive collapse mechanisms and collapse loads of high-rise steel buildings, *Engineering Mechanics Institute Conference*, Stanford, CA, USA.
8. Sideri J., Mullen C., **Gerasimidis S.**, Deodatis G. (2015), Progressive collapse vulnerability of 3D high rise steel buildings under external blast loading, *Engineering Mechanics Institute Conference*, Stanford, CA, USA.
9. Mullen C., Sideri J., **Gerasimidis S.**, Deodatis G. (2015), Influence of beam-column parameter interdependency on SDOF based damage mapping in blast impact region of a high-rise steel building, *Engineering Mechanics Institute Conference*, Stanford, CA, USA.
10. Baniotopoulos, C.C., Stavridou, N., Efthymiou, E. & **Gerasimidis, S.** (2014), On the Buckling Analysis of Steel Tubular Wind Energy Towers: Improving their Structural Response by Stiffening Rings, Proc. XIX SMIE2014, Mexico, 12-16.11.2014, 650-660.
11. Yan Y., **Gerasimidis S.**, Deodatis G., Ettouney M., (2014). Global loss-of-stability progressive collapse of steel moment frame structures under column loss, *Engineering Mechanics Institute Conference*, Hamilton, ON, Canada.
12. Yan Y., **Gerasimidis S.**, Deodatis G., Ettouney M., (2014). Global-loss-of-stability progressive collapse mechanisms of 3D steel frame buildings, *CESARE '14, Civil Engineering for Sustainability & Resilience*, Amman, Jordan.
13. Stavridou N., Efthymiou E., **Gerasimidis S.**, Baniotopoulos C.C., (2014). Improvement of steel wind turbine tower structural response with implementation of steel stiffening rings, *CESARE '14, Civil Engineering for Sustainability & Resilience*, Amman, Jordan.
14. **Gerasimidis S.**, Kontroupi T., Deodatis G., Ettouney M., (2013). Progressive collapse of 3D steel moment frames due to loss-of-stability phenomena, *84<sup>th</sup> Shock & Vibration Symposium*, Atlanta, GA, USA.



15. **Gerasimidis S.**, Yan Y., Deodatis G., Ettouney M., (2013). A global loss of stability study for progressive collapse of tall steel moment frames, *84<sup>th</sup> Shock & Vibration Symposium*, Atlanta, GA, USA.
16. **Gerasimidis S.**, Spiridaki A., Deodatis G., Ettouney M., (2013). An analytical tool for the identification of the type of progressive collapse mode of steel moment frames subjected to corner column removal, *84<sup>th</sup> Shock & Vibration Symposium*, Atlanta, GA, USA.
17. Yan Y., **Gerasimidis S.**, Deodatis G., Ettouney M., (2013). A study on the global loss of stability progressive collapse mechanisms of steel moment frames, *ICOSSAR 2013*, New York, USA.
18. Sideri E., **Gerasimidis S.**, Deodatis G., Ettouney M., (2013). Ductile progressive collapse mechanisms of steel moment frames, *ICOSSAR 2013*, New York, USA.
19. Spyridaki A., **Gerasimidis S.**, Deodatis G., Ettouney M., (2013). A new analytical method on the comparison of progressive collapse mechanisms of steel frames under corner column removal, *ICOSSAR 2013*, New York, USA.
20. Kontoroupi T., **Gerasimidis S.**, Deodatis G., Ettouney M., (2013). A 3D nonlinear progressive collapse study of multi-story steel frame buildings accounting for loss of stability, *ICOSSAR 2013*, New York, USA.
21. Stavridou N., Efthymiou E., **Gerasimidis S.**, Baniotopoulos C.C., (2013). Modeling of the structural response of wind energy towers stiffened by internal rings, *10th HSTAM International Congress on Mechanics*, 25-27 May 2013, Chania, Crete, Greece.
22. **Gerasimidis S.**, Deodatis G., Ettouney M., (2012). New Findings in progressive collapse of buildings & global structural integrity of damaged structures, *83<sup>rd</sup> Shock & Vibration Symposium*, New Orleans, LA, USA.
23. **Gerasimidis S.**, Bisbos C., Baniotopoulos C.C., (2011). Disproportionate collapse analysis of steel buildings – a plastic limit approach, *National Conference of Steel Structures*, Volos, Greece.
24. Tsalikis C., **Gerasimidis S.**, Baniotopoulos C.C., (2011). Progressive collapse of steel moment frames under localized fire, *Eurosteel 2011*, Budapest, Hungary.
25. Kuhlmann U., Rolle L, Izzuddin B.A., Pereira M., Bisbos C., **Gerasimidis S.**, (2011). Fact sheet of steel structures, *Proceedings of the Final Conference of COST Action TU0601, Robustness of Structures*, pp.85-98, Prague, Czech Republic.
26. Efthymiou E., **Gerasimidis S.** & Baniotopoulos C.C., (2009). On the structural response of steel telecommunication lattice masts for wind loading and combined effects, *EACWE 5*, Florence Italy.
27. **Gerasimidis S.**, Efthymiou E. & Baniotopoulos C.C., (2009). Optimum outrigger locations of high-rise steel buildings for wind loading, *EACWE 5*, Florence Italy.
28. Kalliagra S., **Gerasimidis S.**, Malindretos M., (2009). Sustainability considerations and standards for structural timber, *3<sup>RD</sup> CIB International Conference on Smart and Sustainable Built Environments*, Delft.
29. Giannakas N., Tegos I., **Gerasimidis S.**, (2009). On the reinforcement of circular section columns under axial loading and biaxial bending of earthquake resistance structures, *Earthquake and Tsunami*, Istanbul, Turkey.
30. Kalliagra S., **Gerasimidis S.**, Malindretos M., (2008). How really sustainable is timber construction, *RETBE*, Alexandria, Egypt.
31. **Gerasimidis S.**, Konstantopoulos K., Manikas C., Baniotopoulos C.C., (2008). Trusses Classification According to Robustness Criteria, *Eurosteel 2008*, Graz, Austria.

## Other Publications

1. **Gerasimidis S.**, Sideri T., Spydiraki, A., Baniotopoulos C.C., (2014). Steel moment frames under column loss progressive collapse scenarios – Damage propagation and the effect of column buckling to the overall structural integrity, Festschrift gewidmet Prof. Peter Schaumann, Institut fur Stahlbau, Leibniz Universitat hannover, pp.31-37.
2. M.Eng. Group Thesis (2006): Cable-stayed Steel Bridge over the Cape Cod Canal, MIT.
3. M.Eng. Individual Thesis (2006): Application of knee-bracing system on high-rise buildings, MIT.
4. Diploma Thesis (2005): Study of the behavior of the Steel Roof of the Olympic Stadium in Athens because of possible cable failures, Aristotle University of Thessaloniki.

### Press

- **Gerasimidis S.**, (10 August 2008). The secrets of bird's nest, *TO BHMA*, (in Greek).
- **Gerasimidis S.**, Vadoros A., Blaxodimos G., Kalliagra S., (2008) Independent towers, *Construction subjects*, (in Greek).