

**Dr. Lazaros K. Vasiliadis**

**Associate Professor**

**Department of Civil Engineering**

**Democritus University of Thrace**

**CURRICULUM VITAE**

**Xanthi, November 2019**

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## Curriculum Vitae

# Lazaros K. Vasiliadis

## Associate Professor of Democritus University of Thrace

### 1. PRIVATE DETAILS

First Name : **LAZAROS**  
Surname : **VASILIDIS**  
Father's Name : Konstantinos  
Postal Address : Galatias 7, Kavala 65404, Greece  
Date of Birth : 03 – 06 - 1953  
Place of Birth : Lefki Kavalas  
Marital Status : Married with 2 children  
Nationality : Hellenic  
Home Landline : 2510 - 244824  
University Address : Democritus University of Thrace  
Engineering Faculty of Xanthi - Dept. of Civil Engineering  
Structural Engineering Division  
Laboratory of Statics and  
Dynamics of Structures  
Building A', University Campus of Xanthi-Kimmeria,  
Xanthi 67100, Greece  
Email: [lvasilia@civil.duth.gr](mailto:lvasilia@civil.duth.gr) – [vasiliadis114@gmail.com](mailto:vasiliadis114@gmail.com)  
Telephone: 25410 – 79625

### 2. STUDIES – ACADEMIC POSTS

- 1959 – 1965 Primary Education at Lefki Kavalas Junior School.
- 1965 – 1971 Secondary Education at Kavala High School for Boys.
- 1971 Tertiary Education: October 1971, enrolled in Preliminary year at University of Innsbruck, Austria.
- 1972 – 1974 Pre diploma of the Department of Civil Engineering of the University of Innsbruck, Austria.
- 1975 Transferred to 3rd year studies of the Department of Civil Engineering at the Polytechnic of Darmstadt, Germany.
- 1979 January: Awarded Degree in Civil Engineering from the Polytechnic of

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- Darmstadt, Germany.
- 1979 March to May 1980, Engineer at the company Ingenieurburo W.Ost, Frankfurt / Main.
  - 1980 – 1981 Military Service (speciality: Military Interpreter in German).
  - 1982 up to January 1994: Research Fellow at the Applied Structural Analysis Laboratory of the Polytechnic Faculty of the Democritus University of Thrace.
  - 1993 May 7, presentation of doctoral thesis entitled: “Contributing to a more accurate determination of the stress field at the end of the crack and ductile fracture” to a 5-member examining board, graded Excellent.
  - 1993 June 9, Proclaimed as Doctor of the Department of Civil Engineering of the Democritus University of Thrace.
  - 1994 December 22, appointment and start of tenure as Lecturer (G.G. of appointment 163/11-12-1994 of L.P.D.D.)
  - 1994 March, appointment as Lecturer on tenure in the Laboratory of Applied Statics and Dynamics of Structures of the Polytechnic Faculty of Xanthi of the Democritus University of Thrace with discipline “ Statics and Dynamics of Structures with emphasis on Numerical Methods of Analysis”.
  - 2002 February, appointment as Assistant Professor on tenure, in the same discipline as above.
  - 2006 May 10, appointment as permanent Assistant Professor (**GG 127/10-5-2006 τ.Ν.Π.Α.Α.**).
  - 2017 October 10, appointment as Associate Professor after election (**GG 1001/10-10-2017 τ. Γ’**)
  - 2017 October 16, take up duties as Associate Professor (**Α.Π.:ΑΠΘ/ΔΔΚ/ΤΔΞ/7332/569/230**)

### 3. OTHER C.V. DETAILS

- 1979 March to May 1980, worked as engineer (Baustatiker) in a technical office in Frankfurt, Germany (Ingenieurburo W.OST, Frankfurt/Main, Fr. Ebert-Anlage 3) focusing on the Static and Dynamic analysis in Nuclear Power Plants in Germany and abroad. This included cooperation with large companies in Germany, such as, KWU AG (Kraftwerk Union), HOCHTIEF AG, LURGI Kohle und Mineralotechnik GmbH etc, with the aim of studying large industrial plants.

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- 1982 up to 1992, in parallel with university activities, professional practice as Civil Engineer. Study and supervision of private works (Hotels, private residences, industrial and biotechnical buildings).
  - 1998 6 of August, programs estimator of the General Secretariat of Management EU & alia resources of the Ministry of Labour & Social Insurance, Registration Number 235.
  - 2018 October, elected, for a two year tenure, as Director of the Post-Graduate Course: "New Materials and Technologies for the Design of Structures" hosted by DUTH and ATEI.
  - 2018 Elected member of the Enviromental Council of DUTH
  - 2019 June, elected as Director of the Structural Engineering Division of Civil Engineering Department of DUTH

#### **4. PARTICIPATION IN SCIENTIFIC AND PROFESSIONAL BODIES**

**Chairman of the Regional Sector of Eastern Macedonia** of the Technical Chamber of Greece from September 2010 to February 2014.

**Member of the Executive Committee of the Eastern Macedonia Technical Chamber of Greece** in the current tenure 2014 – 2016.

**Member of the same Executive Committee** from 1990 to 2000 and from 2004 to 2014.

For a number of years:

- In charge of the permanent committee for Technical Education and Instruction Issues of the Technical Chamber of Greece – Department of Eastern Macedonia
- In charge of the permanent Environment committee of the Technical Chamber of Greece – Department of Eastern Macedonia
- Technical Chamber of Greece – Department of Eastern Macedonia representative in various committees and councils
- Member of the Examining committee of the Technical Chamber of Greece – Department of Eastern Macedonia for awarding professional licences to Civil Engineers.

Member of **the Delegation of the Technical Chamber of Greece – Department of Eastern Macedonia** from 1987 to 2000 and from 2004 to 2016. Member of **the Central Delegation of the Technical Chamber of Greece** for three years from June 1997. Member of **S.P.M.E.** (Panhellenic Association of Civil Engineers).

Member of **DGEB** (Deutsche Gesellschaft fuer Erdbebeningenieurwesen und Baudynamik)

Member of the Association of Civil Engineers of the Kavala Prefecture.

Member of the **Unified Association of Teaching and Research Personnel** of the Engineering Faculty of the Democritus University of Thrace.

#### **5. PARTICIPATION IN EXECUTIVE COMMITTEES AND UNIVERSITY**

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## COMMITTEES

Member of the Administrative Council of the **Association of Teaching Personnel** of the Polytechnic Faculty of Xanthi and its representative in the following executive bodies: **Senate of the Democritus University of Thrace**, the General Assembly of the Department of Civil Engineers and the Division of Design and Construction of Structural Works.

Participation in various committees set up within the above bodies of the Democritus University of Thrace.

For two terms of service **Member of the Senate** of the Democritus University of Thrace, representing the General Assembly of the Department of Civil Engineers.

**Vice-President** of the Unified Association of Teaching and Research Personnel of the Engineering Faculty of the Democritus University of Thrace.

**Member of the Technical Council** of the Democritus University of Thrace for the three-year term 2014-2016.

## 6. PROFESSIONAL EXPERIENCE

### Employ in Germany

Study in various industrial plants: nuclear plants in dynamic response (earthquake and aeroplane crash), steelworks with reinforced concrete, energy production plant with stockade foundations, chemical plants etc.

#### Analytically, study of the following plants:

1. Kernkraftwerk Philippsburg I (nuclear plant Philippsburg I, Germany)
2. Kernkraftwerk Philippsburg II (nuclear plant Philippsburg II, Germany)
3. Kernkraftwerk Krümmel (nuclear plant Krümmel, Germany)
4. URAN GASTURBINE POWER STATION, MAHARASHTRA STATE ELECTRICITY BOARD, BOMBAY.
5. Kernkraftwerk KORBA-HASDEO 1 and 2 (nuclear plant Korba-Hasdeo) on behalf of the companies KWU AG (Kraftwerk Union), Berliner str. 297-299, 6050 Offenbach-Germany, HOCHTIEF AG, Bockenheimer Landstr. 24, 6000 Frankfurt am Main 1-Germany and Bochumer Eisenhütte-Heintzmann GmbH & Co, Bessemer str. 80, 4630 Bochum I-Germany.
6. PILOTANLAGE HYDR. KOHLEVERGASUNG of the Rheinbraun company.
7. AMMONIA-UREA FERTILISER PLANT (NH<sub>3</sub>-PLANT/KALTIM), Bontang Kalimantan/INDONESIA
8. BRIQUETTING PLANT-C.V.G. SIDOR C.A., MATANZAS/VENEZUELA on behalf of the companies Lurgi Kohle und Mineralöltechnik, Postfach 119181, 6000 Frankfurt/Main 2-Germany and SALZGITTER INDUSTRIEBAU GmbH-Germany.
9. PELLETIERWERK-OXIDPELLETANLAGE on behalf of the company SALZGITTER INDUSTRIEBAU GmbH-Germany.

10. Various individual studies for the Olympic Venues of Moscow (1980), on behalf of the company SALZGITTER INDUSTRIEBAU GmbH – Germany.

### **Professional Experience in Greece**

Professional practice as Civil Engineer, study and supervision of private works (Hotels, private residences, industrial and biotechnical buildings). Participate in numerous studies of new designing, seismic evaluation, seismic rehabilitation and retrofitting of reinforced concrete, steel and masonry structures.

Following **the earthquake in Athens on 7<sup>th</sup> September 1999**, conducting inspections on school buildings of the School Building Organisation (S.B.O.).

School Building Complex in Tavros

School Building Complex in Nea Filadelfeia

1<sup>st</sup> Junior High School of Petroupolis

School Building Complex in Papagos (Agios Dimitrios)

5<sup>th</sup> Senior High School of Nea Smyrni

1<sup>st</sup> Primary School of Tavros

2<sup>nd</sup> Primary School of Tavros

20<sup>th</sup> Primary School of Kallithea

12<sup>th</sup> Kindergarden School of Kallithea – Petrino

1<sup>st</sup> and 7<sup>th</sup> Primary Schools of Kallithea

5<sup>th</sup> and 21<sup>st</sup> Kindergarden Schools of Kallithea

## **7. EXPERTISE REPORTS**

Building resistance control, in Merarchias street, no 29 in Kavala, to allow additional floor. (Appointed by the Technical Chamber of Greece - Department of Eastern Macedonia, 05 – 04 – 1994).

Static adequacy dependence of the Gavriilidis building in Kavala due to the existence of a garage attached. (Appointed by the Technical Chamber of Greece - Department of Eastern Macedonia, 09 – 03 – 1999).

Expertise report on static adequacy of metal roofing of paper production plant and cylindrical pulp storage silo of the Athenian Papermill factory SOFTEX in Drama. (Appointed by the Technical Chamber of Greece -Department of Eastern Macedonia, November 2000).

Expertise report on evaluation of damage caused to buildings of the village of Petropigi of the Kavala Prefecture, due to explosives used in the drilling operations of the Egnatia Motorway, as well as suggesting reconstruction and defining the cost involved. (Appointed by the Technical Chamber of Greece -Department of Eastern Macedonia, December2000).

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## 8. RESEARCH ACTIVITY – PARTICIPATION IN RESEARCH PROGRAMMES

Since 1987:

Participation in the research activities of the Applied Statics Laboratory of the Democritus University of Thrace, mainly in the application of numerical methods with a computer.

In summary, the main axes of research concerning the analysis of scientific work, are as follows: Statics and Dynamics of Structures with focus on numerical methods.

- Numerical methods in the Engineering of Structures (The finite element method).
- Non-linear constitutive relations for building materials.
- Fracture mechanics in elastic and elastoplastic structures.
- Inequality problems-entities with unilateral joints.
- Seismic interaction of adjacent constructions.
- Repairs-reinforcements on structures damaged by earthquakes.
- Pre-earthquake inspection of buildings of great importance.
- Seismic insulation of structures.
- Processing of seismic accelerometers.
- Analysis, calculation and application of seismic parameters.
- Use of passive protection systems in the Dynamics of Structures-Applications in contemporary and monumental structures.
- **1992:** Participation in research programme of the Democritus University of Thrace. as lead researcher entitled: **“Study of the Development of the Crack Shape in Ductile Materials and the Effect at the Start of its Spread”**, financed by the resources of the Research Committee of the Democritus University of Thrace.
- **1998:** Participation in research programme entitled: **“Artificial replenishment of groundwater aquifers of the Orfano area with the Strymon river water”**.
- **1999-2001:** Participation as scientific director and researcher: in the research programme of the Democritus University of Thrace, entitled: **“The effect of seismic type in non-linear structural response”**.
- **2002-2005:** Participation as scientific director and researcher: in the research programme of the Democritus University of Thrace, entitled: **“The effect of the ARIAS tension in non-linear structural response”**.
- **2014-2016 :** Participation as scientific director and researcher: in the research programme of the Democritus University of Thrace, entitled: **“The application of seismic insulation and damping systems in existing structures based on the results of simplified valuation methods”**.



- **2017-:** Participation as scientific director and researcher: in the research programme of the Democritus University of Thrace, entitled: **“Inelastic seismic response assesment of civil engineering structures - Application of passive seismic energy absorbsion protection systems”**

## 9. PARTICIPATION IN CONFERENCES AND SEMINARS

- “8th Greek Conference on Concrete”, Xanthi-Kavala, 27-29/05/1987
- “9th Greek Conference on Concrete”, Kalamata, 14-16/02/1990 (work 2 was presented).
- Two-day conference on: “The effects on the Environment from the exploitation of lignite in Drama” organized by the Technical Chamber of Greece – Department of Eastern Macedonia, from 15th to 16th November 1991.
- “1st National Congress on Computational Mechanics”, Athens, 3-4/09/1992. (work 6 was presented).
- Seminar on New Regulations for Concrete organized by the Technical Chamber of Greece – Department of Eastern Macedonia in cooperation with the Association of Civil Engineers of Kavala, in Kavala from 2nd to 5th March 1992 (as coordinator of the seminar).
- Training seminars for Engineers organized by the Technical Chamber of Greece – Department of Eastern Macedonia, from 13-04-1992 to 19-06-1992, of 150 hours duration, entitled: “Contemporary developments in the science of Civil Engineering – New Regulations” (as organizer of the seminar appointed by the Steering Committee of the Technical Chamber of Greece – Department of Eastern Macedonia).
- One-day conference: “Management-Best use of water resources in the Prefecture of Drama” organized by the Technical Chamber of Greece – Department of Eastern Macedonia in cooperation with the Ceotechnical Chamber of Greece – Department of Eastern Macedonia on 22nMay 1993.
- Conference entitled “Environment and Orthodoxy” organized by the Technical Chamber of Greece – Department of Eastern Macedonia in cooperation with the Holy Metropolis of Phillipi-Neapolis and Thasos, in Kavala from 26th to 29/11/1993.
- “11th Greek Conference on Concrete”, Corfu, 18-20 May 1994 (works 8 and 9 were presented).
- “SECOND INTERNATIONAL CONFERENCE ON COMPUTATIONAL STRUCTURES TECHNOLOGY” Athens, 1-2 September 1994.
- “7th International Conference on Soil Dynamics and Earthquake Engineering”, Chania, 24 – 26 May 1995.
- Seminar on New Greek Antiseismic Regulation (N.E.A.K.), Kavala, 16-17 June 1995, as introducer.

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- Seminar on New Regulations on the Design of Works, Komotini, 24-25 June 1995, as introducer.
  - Technical Chamber of Greece – Department of Eastern Macedonia one-day conference entitled: “Information on the earthquakes of Grevena-Kozani on Saturday 13th May 1995” in Kavala, on 19th May 1995.
  - Technical Chamber of Greece – Department of Eastern Macedonia one-day conference entitled “Deductions from Kozani-Grevena and Aigiou- Fokidas earthquakes” in Kavala on 14th July 1995.
  - Technical Chamber of Greece – Department of Eastern Macedonia conferences on Eurocodes, in Kavala, on 26 April, 3, 10, and 17 May 1995.
  - Instructor in a programme of professional training of the Municipal Training Centre of Kavala, from 22/07/1996 to 09/12/1996.
  - Fourth European Conference on Structural Dynamics, Eurodyn '99, Prague/Czech Republic, 7-10 June 1999.
  - Technical Chamber of Greece – Department of Eastern Macedonia one-day conference, entitled: “Earthquakes-Findings-Actions” in Kavala, on 5th October 1999 as introducer.
  - Technical Chamber of Greece – Department of Eastern Macedonia one-day conference in Drama, on 17th November 1999, entitled: “ Earthquakes and protection measures”.
  - “1st Greek Conference on Concrete Composite Materials”, Xanthi, 9-10 November 2000.
  - D-A-CH Tagung 2001, der Osterreichischen Gesellschaft fur Erdbeben und Baudynamik (OGE), 19-21 September 2001, Innsbruck, Austria.
  - 14th National Conference: Operational research for the regional development, Xanthi, 1-3 November 2001.
  - “4th National Conference on Metallic Structures”, Patra, 24-25 May 2002.
  - 1st Panhellenic Environmental Conference, Orestiada, 7-9 May 2004.
  - Technical Chamber of Greece – Department of Eastern Macedonia one-day conference, entitled: “Management of the Environment” in Kavala, on 25th November 2004, as introducer.
  - Seminar – Environmental education workshop for Secondary Education teachers, Kavala, 15-16-17 April 2005, as introducer.
  - Conference on Building and Energy, Xanthi 7-9/09/2012, as joint organizer.
  - 2nd National Interdisciplinary Conference “History of Building Structures”, Xanthi, 5-7 December 2015.
  - COMPDYN 2015, 5th International Conference on Computational Methods in Structural Dynamics and Earthquake Engineering, Crete, Greece; 05/2015.
  - ASEM15, 2015 World Congress on Advances in Structural Engineering and Mechanics,

Incheon, Korea, 08/2015.

- Concrete Solutions 2016, 6th International Conference on Concrete Repair, Thessaloniki, Greece, 06/2016.
- ECCOMAS Congress 2016, VII European Congress on Computational Methods in Applied Sciences and Engineering, Crete Island, Greece, 5–10 June 2016.

## 10. ACADEMIC TEACHING – ACADEMIC ACTIVITY

Teaching for several years the semester modules (theory and practice) in the Department of Civil Engineering of the Democritus University of Thrace:

**Statics II** for the 6th semester for Civil Engineering students.

**Structural Dynamics** for the 8th semester for Civil Engineering students

**Statics I** for the 5th semester for Civil Engineering students (taught jointly)

**Specific Chapters on Statics and Dynamics of Structures** the 9th semester for Civil Engineering students.

**New Insights in Seismic Mechanics of Structures** in an approved Postgraduate Programme of Studies entitled: “New Materials and Technologies in the Design of Structures with Reinforced Concrete”.

Teaching of all the above lectures, as well as the lecture “**Shells Theory**” jointly taught, since being appointed as Scientific Fellow in 1982 and for successive years.

Teaching the Module “**Numerical Methods of Analysis of Structures**” during the summer semester 1998.

Authorship and supervision of modules in the modules of Statics I and II for students in their third year of Civil Engineering from 1983 to 1986.

Authorship of notes and exercises in the modules of Statics I and II from 1983 to 1987.

Supervision of more than 50 dissertation thesis in the Laboratory of Applied Statics from 1983 to current time.

Supervision of numerous postgraduate thesis since my appointment as Lecturer until today.

Supervision of two doctoral dissertations:

- **Ioannis Kavvadias**, Civil Engineer MSc, with dissertation title: “Investigation of the Dynamic response of historical monuments and application of base isolation systems - Contribution in seismic protection” since 04-07-2013. Completed, examined and rated as excellent.
- **Ifigenia Litina**, Civil Engineer MSc, with dissertation title: “Correlation of dynamic characteristics and seismic response in structures OS – Contribution to the determination of the spatial allocation of damage” since 27 – 02 – 2013.
- **Kosmas Bantilas**, Civil Engineer Msc, with dissertation title: “Contribution to the protection

of structures investigating seismic energy absorption systems” since 27-11-2017.

## 11. AUTHORSHIP OF TEXTBOOKS

Copyright authorship of the following books distributed annually to the students of the Department of Civil Engineering at the Democritus University of Thrace. (publications of the Company for the Utilization and Management of the Property of the Democritus University of Thrace):

**Statics of Structures I** for the 5th semester (co-author), 326 pages

**Statics of Structures II** for the 6th semester, 330 pages

**Dynamics of Structures** for the 8th semester, 400 pages

**Specific Chapters of the Statics and Dynamics of Structures** for the 9th semester, 180 pages

## 12. FOREIGN LANGUAGES

**German:** Excellent written and oral

**English:** Sufficient for scientific needs

## 13. CATALOGUE OF SCIENTIFIC WORKS IN CHRONOLOGICAL ORDER

### 1. “Seismic interaction of adjacent reinforced concrete building structures with different storey levels: An analytical study.”

9th Hellenic Concrete Congress, Vol. I, pp. 158-196, Kalamata, Greece 1990

**A.Liolios, L. Vasiliadis, D. Kenameas**

### 2. "A numerical Approach for the inelastic Analysis of Reinforced Concrete Walls"

Proceedings of the International Conference on Computational Engineering Science, August 12-16, 1991, Melbourne, Australia, pp.232-236, 1991.

**A.Elenas, A. Liolios, L. Vasiliadis**

### 3. "A numerical Approach for a hemivariational inequality Arising in the Earthquake interaction between adjacent Structures with different Story Levels"

Proceedings of the International Conference on Computational Engineering Science, August 12-16, 1991, Melbourne, Australia, pp.632-635, 1991.

**A.Liolios, G. Anagnostides, L. Vasiliadis, A. Elenas**

### 4. "A Wilson Method based approach for the seismic Analysis of cable-braced Steel Structures"

The 6th Conference on Steel Structures, October 1991, Timisoara, Romania.

**A.Liolios, E. Galoussis, Ch. Kalfas, L. Vasiliadis**

### 5. "Change of the Crack Geometry During Loading and Its Influence on the Crack Growth"

Proceedings of the 1st National Congress of Computational Mechanics, Athens, Greece, 3-

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4/9/1992, pp. 61-68, 1992.

**L. Vasiliadis, G. Papakaliatakis and D. Zacharopoulos**

- 6. “Contributing to a more accurate determination of the basic field at the end of the crack and ductile fracture”**

*Doctoral Dissertation, Department of Civil Engineering of the Polytechnic Faculty of Democritus University of Thrace, Xanthi, pages I – XI and I – 312, 1993*

**L. Vasiliadis**

- 7. "A linear complementarity approach to seismic interaction between adjacent buildings Undersecond-order geometric effects"**

Proceedings of the 10th European Conference on Earthquake Engineering, Vol. 2, pp. 1235-1240, Vienna 1994.

**A. Liolios, E. Galoussis, A. Elenas, L. Vasiliadis**

- 8. "Earthquake induced nonlinear behavior of structures in relation with characteristic acceleration parameters"**

Proceedings of 10th European Conference on Earthquake Engineering, Vol. 2, pp. 1011-1016, Vienna 1994.

**Elenas, A. Liolios, L. Vasiliadis**

- 9. “Simplified calculation of the demanded ductility of reinforced concrete structures”**

11th Hellenic Concrete Congress, pp. 26-34, Kerkyra, Greece 1994

**A. Elenas, L. Vasiliadis, S. Tsalkatidis**

- 10. “Seismic parameters of strong ground motions affect on the seismic response of reinforced concrete buildings”**

11th Hellenic Concrete Congress, pp. 26-34, Kerkyra, Greece 1994

**L. Vasiliadis, A. Elenas, A. Liolios**

- 11. "Nonlinear behavior of reinforced concrete structures in relation with seismic acceleration parameters"**

Proceedings of the 7th International Conference on Soil Dynamics and Earthquake Engineering, SDEE 95, pp. 615-622, 14-26 May 1995, Chania, Greece.

**Elenas, A. Liolios, L. Vasiliadis, S. Tsalkatidis**

- 12. “Seismic parameters of strong ground motions affect on the seismic response of reinforced concrete buildings”**

Reproduction in Residential and Technical Construction, Vol. 5, pp. 88-91, 1995

**L. Vasiliadis, A. Elenas, A. Liolios**

- 13. "Interdependency of characteristic seismic acceleration parameters and earthquake induced nonlinear behavior of structures"**

Proceedings of the 4th Greek National Congress on Mechanics, Vol. 1, pp. 681-689, Xanthi, 1995.

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**Elenas, A. Liolios, L. Vasiliadis**

**14. "Influence of Earthquake Characteristics to Nonlinear Behaviour of Reinforced Concrete Structures"**

Proceedings of the 3rd International Conference on Computational Structures Technology, Vol. "Advances in Computational Techniques for Structural Engineering", pp. 133-137, Budapest 1996.

**A. Elenas, A. Liolios, L. Vasiliadis**

**15. "Numerical Investigation of the Influence of Ground Acceleration Parameters to Earthquake Induced Nonlinear Behaviour of Structures"**

Proceedings of the 2nd National Congress on Computational Mechanics, Vol. I, pp. 67-73, Chania 1996.

**A. Elenas, A. Liolios, L. Vasiliadis**

**16. "Correlation of ground motions accelerograms parameters with the seismic response of reinforced concrete buildings"**

12th Hellenic Concrete Congress, Vol. II, pp. 36-42, Lemesos, Cyprus, 1996

**A. Elenas, G. Chozos, E. Pappas, L. Vasiliadis, S. Tsalkatidis**

**17. "The numerical treatment of the tension stiffening effect in reinforced concrete elements "**

Proceedings of First Hellenic Conference on Composite Materials and Structures, pp. 691-704, Xanthi 1997.

**A. Elenas, A. Liolios, L. Vasiliadis**

**18. "A Numerical Approach for the Seismic Interaction of Building Systems with Unilateral frictional contact "**

in "Recent Advances in Mechanics ", Eds Kounadis A.N. and Gdoutos E.E., Hellenic Society of Theoretical and Applied Mechanics, pp. 61-62, Juli 10-12, 1998, Xanthi, Greece.

**A. Liolios, A. Elenas, L. Vasiliadis and D. Papalexou**

**19. "Beams reinforcing rebars anchorage-Minimum columns dimensions"**

Technical Chamber of Greece /Section of Eastern Macedonia Report, Vol. 26, pp. 24-31 and Vol. 27, pp. 41-42, 1998

**L. Vasiliadis**

**20. "Correlation factors between seismic acceleration parameters and damage indicators of reinforced concrete structures "**

Proceedings of the 4th European Conference on Structural Dynamics EURO DYN '99, Vol. 2, pp. 1095-1100, 7-10 June 1999, Prague, Czech Republic.

**A. Elenas, A. Liolios and L. Vasiliadis**

**21. " On the analysis of historical stone arch bridges - A comparative study with a new space frame model and the inequality numerical approach "**

*Revue du groupe européen d' études pour les techniques physiques, chimiques, biologiques et mathématiques appliquées à l' archeologie - Conseil de l' Europe, SI2.81089, ISSN: 0257-*

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8727, Dec. 2000.

**M. Karaveziroglou, E. Stavrakakis, A. Liolios, L. Vasiliadis, S. Logothetidis, M. Yeroyianni**

**22. "Rehabilitation Alternatives of a Ten-Storey RC Building Damaged during the Athens Earthquake of 7 September 1999"**

D-A-CH Tagung 2001, pp. 208-214, 19-21 September 2001, Innsbruck, Austria.

**L. Vasiliadis**

**23. "Case Study on the Behaviour of School Buildings during the Athens Earthquake of 7 September 1999"**

Vortragsband der Dreiländertagung D-A-CH Tagung 2001 der Österreichischen Gesellschaft für Erdbeben und Baudynamik (OGE), pp. 189-194, 19-21 September 2001, Innsbruck, Austria.

**Elenas, L. Vasiliadis, M. Baltas, G. Galanis, S. Manikas**

**24. "A numerical estimation of the interrelation between acceleration parameters and Damage indicators in Earthquake Engineering"**

Proceedings of 6th National Congress of Mechanics, pp. 254-260, Thessaloniki, 19-21 July 2001.

**A.Elenas, A. Liolios, L. Vasiliadis, M. Sakellari, P. Koliopoulos**

**25. "A analytical optimization procedure for the seismic evaluation of one sided pound of adjacent reinforced concrete building structures"**

14th National Congress: Operational Research at the service of regional development. pp. 45, Xanthi, 2001

**A.Liolios, A. Elenas, L. Vasiliadis, A. Karampinis, A. Mpoglou, P. Lazaridis, M. Stavrakakis**

**26. "Numerical estimation of the dynamical response of a seismic retrofitted reinforced concrete building"**

Proceedings of the 5th European Conference on Structural Dynamics, EURODYN 2002, pp. 1353-1358, Munich, 2002.

**A.Elenas, L. Vasiliadis, S. Dimova**

**27. "On the ability of seismic acceleration parameters to describe damages on buildings"**

Proceedings of the 5th European Conference on Structural Dynamics, EURODYN 2002, pp. 1359-1363, Munich, 2002.

**A.Elenas, A. Liolios, L. Vasiliadis**

**28. "Acceleration parameters study of the Athens earthquake of 7 September 1999"**

CD-ROM Proceedings of the 12th European Conference on Earthquake Engineering, London, 2002.

**A.Elenas, A. Liolios, L. Vasiliadis, M. Sakellari**

**29. "Retrofit of a stone masonry school building damaged during the Athens earthquake of 7**

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**September 1999"**

CD-ROM Proceedings of the 12th European Conference on Earthquake Engineering, London, 2002.

**A.Elenas, L. Vasiliadis**

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