

## BRIEF CV

### Personal Info

Name: **Lazaros A. Sechidis**

Occupation : Assist. Professor, Eastern Macedonia & Thrace Institute of Technology

Phone : +30 25210 32235

BirthDate: 01/01/1968

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### Diplomas-Degrees

- 1994, MA in Surveying Engineering, Aristotle University of Thessaloniki, Faculty of Survey Engineering, Department of Cadastre, Photogrammetry and Cartography
- 2003, Ph.D in Digital Photogrammetry and Computer Vision, Aristotle University of Thessaloniki, Faculty of Engineering, Department of Cadastre, Photogrammetry and Cartography

### Professional Appointments (brief)

- 1994 – 2008 Working on private sector as Survey Engineer
- 2008 – 2019 Assist. Professor in Eastern Macedonia & Thrace Institute of Technology, Department of Landscape Architecture
- 2019 – today Assist. Professor in International Hellenic University, Dep. of Forestry and Natural Environment

### Research Interests

- Digital Photogrammetry, GIS, Computer Vision, 3D Modeling, Virtual Reality, open source software development

### Congresses-Meetings-Workshops (selected)

1. *Data Analysis and statistical foundations of Geomatics*, International Association of Geodesy, International Summer School, Chania, Crete, May 25-30, 1998.
2. *Photogrammetric Measurement, Object Modeling and Documentation in Architecture and Industry*, ISPRS Working Group V/5 & V/2 Joint Workshop, Thessaloniki, Greece, July 7-9, 1999. (\*)
3. *Geoinformation for all - XIXth Congress of the International Society for Photogrammetry & Remote Sensing*, Amsterdam, The Netherlands, 16-23 July 2000. (\*)
4. *Photogrammetry Computer Vision*, ISPRS WG III / EWV02 Symposium, Gratz, Austria, 2002
5. *Close-Range Imaging, Long-Range Vision*, ISPRS WG V Symposium, Corfu, Greece, 2002
6. *Geo-Imagery Bridging Continents*, XXth Congress of the International Society for Photogrammetry & Remote Sensing, Istanbul, Turkey, 2004

(\*) As an author

### Research Projects

Participated in more than twenty (20) research projects from 1992, up to day. Some of them are

- Development of methods & techniques for the estimation of the wood volume of forest lands", 1995-1996.

- Participation on the European Research Program «*Optical Radar Sensor fusion for environmental applications*», 1996-1997.
- Participation on development of "Automated Information System for material documentation and manipulation of the Institute for Preservation of the Mountain Athos Inheritance", 1997-1999.
- Mapping moveable declivitous in Amintaio mine, using digital close range photogrammetric methods, 1999.
- Archaeological research of the Neolithic settlement of Paliampela, Greece, 1999 & 2000.
- Creation of the "GIS for manipulation of water supply network of Kozani", 2000-2001
- Participation on "Integrated National Infrastructure of Geographic Information" project, 2004
- Participation on "Design and Implementation the GIS of Municipality of N. Zihni" project, 2004
- Scientific Manager on "Research for collaborate design of school yards" project, 2014

### **Publications (selected)**

1. **Sechidis L.**, Tsioukas V., Patias P., "[Low Level Tracking of Multiple Objects](#)", IAPRS, 2001, pp. B237-240
2. **Lazaros Sechidis**, Vassilios Tsioukas, Petros Patias, "[Geo-referenced 3D Video as visualization and measurement tool for Cultural Heritage](#)", International Archives of CIPA, vol. XVIII-2001, ISSN 0256-1840, pp. 293-299
3. Vassilios Tsioukas, **Lazaros Sechidis**, Petros Patias, "[Low Cost 3D Visualization and Measuring "Tool" for Architectural and Archaeological Photogrammetric Applications](#)", International Archives of CIPA, vol. XVIII-2001, ISSN 0256-1840, pp. 293-299, vol. XVIII-2001, ISSN 0256-1840, pp. 306-309
4. Efstratios Stylianidis, **Lazaros Sechidis**, Petros Patias, Spiros Spatalas, "[Generating orthoimages for close-range objects by automatically detecting breaklines](#)", 4<sup>th</sup> International Symposium "Turkish-German Joint Geodetic Days", Berlin, 3-6 April, 2001
5. Alexandra Koussoulakou, Petros Patias, **Lazaros Sechidis**, Efstratios Stylianidis, "[Desktop Cartographic Augmented Reality: 3D Mapping and Inverse Photogrammetry in Convergence](#)", ICC 2001, Beijing China, 6-10 August 2001
6. Stella Sylaiou, Petros Patias, Olga Georgoyla, **Lazaros Sechidis**, "[Digital image formats suitable for museum publications](#)", 2nd International Conference of Museology, June 28th - July 2nd 2004
7. **L. A. Sechidis**, D. Gemenetzis, S. Sylaiou, P. Patias, V. Tsioukas, 2004, "[OPENVIEW: A free system for stereoscopic representations of 3D models or scenes](#)", IAPRS, vol 35/B, ISSN 1682-1777, pp. 819-823
8. **L. A. Sechidis**, D. Kaimaris, S. Sylaiou, O. Georgoula, P. Patias, 2004, "FROM 3D MODEL TO STEREOSCOPIC VIDEO: A Case Study Based on An Ancient Theatre", International Conference on Remote Sensing Archaeology, Beijing, October 18-21, pp. 162-168
9. **L. Sechidis**, P. Patias, S. Sylaiou, 2005, "[On enhancing stereoscopic visualization with database information retrieval](#)", International Workshop on Recording, Modeling and Visualization of Cultural Heritage", Ascona, Switzerland, May 22-27. Also published in CIPA

vol XX-2005, ISSN 0256-1840, pp 1132-1137

10. Sylaiou, S., Liarokapis, F., **Sechidis, L.**, Patias, P., Georgoula, O., 2005, "[Virtual museums: first results of a survey on methods and tools](#)", IAPRS & SIS , ISSN 1682-1750, pp. 1138-1143
11. D Nikolopoulos, V. Tsioukas, **L. Sechidis**, P. Koidis, P. Patias, 2006, "[4D Photogrammetric Recording of Soft and Hard Tissues of the Lower Part of Face for Decision Making in Dental Treatment Planning](#)", IAPRS & SIS , ISSN 1682-1750
12. Patias P., Sylaiou S., Sechidis L., Spartalis I., Grussenmeyer P., Meyer E., Landes T., Alby E., 2006, "[A Proposed Low-cost System for 3D Archaeological Documentation](#)", EPOCH Publication, ISBN-10:963804675, pp. 145-149
13. Athanasios D. [Styliadis](#), Ipek I. [Akbaylar](#), Despoina A. [Papadopoulou](#), Nikolaos D. [Hasanagas](#), Sotiria A. [Roussa](#) and Lazaros A. Sechidis, 2009, "Metadata-based heritage sites modeling with e-learning functionality", [Journal of Cultural Heritage, Volume 10 Issue 2](#), April-June 2009, Pages 296-312
14. N.D. Hasanagas, A.D. Styliadis, E.I. Papadopoulou, **L.A. Sechidis**, 2010, "[E-Learning & Environmental Policy: The case of a politico-administrative GIS](#)", International Journal of Computers Communications and Control, No 4, 2010, pp 517-524
15. Athanasios D. Styliadis, Lazaros A. Sechidis, 2011, "[Photography-based façade recovery & 3-d modeling: A CAD application in Cultural Heritage](#)", Journal of Cultural Heritage, V12 Issue 3, July-September 2011, pp 243-252.

#### **Awards & Honors**

- 2003 Scholarship from Greek Scholarship Foundation for post-doctorate research.
- 1995 Scholarship from Greek Scholarship Foundation for Phd Research.

#### **Languages**

- Greek (mother language)
- English