

Βιογραφικό Σημείωμα

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ΕΚΠΑΙΔΕΥΣΗ

- Δίπλωμα ηλεκτρολόγου μηχανικού, ΕΜΠ, 1985.
- Διδακτορικό δίπλωμα μηχανικού παραγωγής και διοίκησης, Πολυτεχνείο Κρήτης, 1989.

ΕΜΠΕΙΡΙΑ

- Δεκ. 2004–σήμερα: Καθηγητής, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.
- Σεπ. 2005–Αυγ. 2007: Πρόεδρος, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.
- Αυγ. 2000–Δεκ. 2004: Αναπληρωτής Καθηγητής, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.
- Σεπ. 1995–Αυγ. 2000: Επίκουρος Καθηγητής, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.
- Σεπ. 1991–Αυγ. 1995: Διδάσκων επί συμβάσει, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.
- 1990–Σεπ. 1991: Μηχανολόγος μηχανικός, Σώμα Μηχανικού, Ελληνικός Στρατός.
- 1986–1989: Βοηθός διδασκαλίας, Τμήμα Μηχανικών Παραγωγής και Διοίκησης, Πολυτεχνείο Κρήτης.

ΟΡΓΑΝΙΣΜΟΙ

- IEEE, senior member.
- Τεχνικό Επιμελητήριο Ελλάδος, μέλος.
- Sigma Xi, member.

ΔΙΔΑΣΚΑΛΙΑ ΜΑΘΗΜΑΤΩΝ

- 1) Έλεγχος ποιότητας

- 2) Συστήματα παραγωγής (αποθέματα, πρόβλεψη, προγραμματισμός)
- 3) Δίκτυα παραγωγής (θεωρία ουρών αναμονής)
- 4) Προσομοίωση (συστήματα διακεκριμένων γεγονότων)
- 5) Στοχαστικές διαδικασίες
- 6) Προγραμματισμός απαιτήσεων υλικών
- 7) Αξιοπιστία συστημάτων, συντήρηση, αντικατάσταση
- 8) Προγραμματισμός παραγωγής (μεταπτυχιακό)

ΕΡΕΥΝΗΤΙΚΑ ΕΝΔΙΑΦΕΡΟΝΤΑ

- Ανάλυση, προσομοίωση και βελτιστοποίηση συστημάτων παραγωγής
- Αειφόρος ανάπτυξη

ΕΠΙΤΡΟΠΕΣ ΠΕΡΙΟΔΙΚΩΝ

- Associate editor, Journal of Intelligent and Robotic Systems, Springer, 2008–present.

ΔΗΜΟΣΙΕΥΣΕΙΣ

Βιβλία

1. V. S. Kouikoglou and Y. A. Phillis, *Hybrid Simulation Models of Production Networks*, Kluwer, 2001.
2. R. Zhang, Y.A. Phillis, and V. S. Kouikoglou, *Fuzzy Control of Queuing Systems*, Springer, 2005
3. Y. A. Phillis and V. S. Kouikoglou, *Fuzzy Measurement of Sustainability*, Nova Science Publishers, forthcoming.

Άρθρα σε Επιστημονικά Περιοδικά

1. Y. A. Phillis and V. S. Kouikoglou, "Minimax estimation and control of multiplicative systems," **Control and Dynamic Systems**, C. T. Leondes (Editor), 31, 93-124, 1989.
2. V. S. Kouikoglou, "A model for two-stage production lines with scrapping," *Foundations of Computing and Decision Sciences*, **15**(2), 77-93, 1990.
3. V. S. Kouikoglou and Y. A. Phillis, "An exact discrete-event model and control policies for production lines with buffers," **IEEE Transactions on Automatic Control**, 36(5), 515-527, 1991.
4. Y. A. Phillis and V. S. Kouikoglou, "Techniques in modeling and control policies for production networks," **Control and Dynamic Systems**, C. T. Leondes (Editor), 47, 1-50, 1991.
5. V. S. Kouikoglou and Y. A. Phillis, "Trace bounds on the covariances of continuous-time systems with multiplicative noise," **IEEE Transactions on Automatic Control**, 38, 138-142, 1993.
6. V. S. Kouikoglou, "A note on the design of k-out-of-n systems," **Microelectronics and Reliability**, 33(3), 445, 1993.

7. V. S. Kouikoglou and Y. A. Phillis, "Minimax design of two-state k-out-of-n systems," **Applied Stochastic Models and Data Analysis**, 9, 245–250, 1993.
8. N. C. Tsourveloudis, V. S. Kouikoglou, and Y. A. Phillis, "Fuzzy regression for the prediction of Paraquat poisonings in Crete," **Systems Analysis Modeling Simulation**, 13, 239–245, 1993.
9. V. S. Kouikoglou, "Single sampling plans for attributes satisfying an arbitrary set of constraints—a graphical approach," **Microelectronics and Reliability**, 34(6), 1071–1077, 1994.
10. V. S. Kouikoglou and Y. A. Phillis, "Discrete event modeling and optimization of production lines with random rates," **IEEE Transactions on Robotics and Automation**, 10(2), 153–159, 1994.
11. V. S. Kouikoglou and Y. A. Phillis, "An efficient discrete-event model for production networks of general geometry," **IIE Transactions**, 27(1), 32–42, 1995.
12. V. S. Kouikoglou and N. C. Tsourveloudis, "Eigenvalue bounds on the solutions of discrete-time systems with multiplicative noise," **Linear Algebra and Its Applications**, 235, 247–259, 1996.
13. Y. A. Phillis and V. S. Kouikoglou, "A continuous-flow model for unreliable production networks of the finite queue type," **IEEE Transactions on Robotics and Automation**, 12(4), 505–515, 1996.
14. V. S. Kouikoglou and Y. A. Phillis, "A continuous-flow model for production networks with finite buffers, unreliable machines, and multiple products," **International Journal of Production Research**, 35(2), 381–397, 1997.
15. Y. A. Phillis, V. S. Kouikoglou, D. Surlas, and V. Manousiouthakis, "Design of serial production systems using discrete event simulation and nonconvex programming techniques," **International Journal of Production Research**, 35(3), 753–766, 1997.
16. V. S. Kouikoglou and Y. A. Phillis, "Review of a fast simulation method for the analysis of queuing networks," **Applied Stochastic Models and Data Analysis**, 13, 73–83, 1997.
17. V. S. Kouikoglou, "Sensitivity analysis and decomposition of unreliable production lines with blocking," **Annals of Operations Research**, 93, 245–264, 2000.
18. V. S. Kouikoglou, "Optimal rate allocation in unreliable, assembly/disassembly production networks with blocking," **IEEE Transactions on Robotics and Automation**, 16(4), 429–434, 2000.
19. V. S. Kouikoglou and Y. A. Phillis, "Design of product specifications and control policies in a single-stage production system," **IIE Transactions**, 34, 591–600, 2002.
20. V. S. Kouikoglou, "An efficient discrete event model of assembly/disassembly production networks," **International Journal of Production Research**, 40(17), 4485–4503, 2002.
21. L. A. Andriantiatsaholiniaina, V. S. Kouikoglou, and Y. A. Phillis, "Evaluating strategies for sustainable development: Fuzzy logic reasoning and sensitivity analysis," **Ecological Economics**, 48(2), 149–172, 2004.

22. Y. A. Phillis, V. S. Kouikoglou, and L. A. Andriantiatsaholainaina, "Sustainable development: a definition and assessment," **Environmental Engineering and Management Journal**, 2(4), 345–355, 2003.
23. S. Ioannidis, V. S. Kouikoglou, and Y. A. Phillis, "Coordinating quality, production, and sales in manufacturing systems," **International Journal of Production Research**, 42(18), 3947–3956, 2004.
24. S. Ioannidis, V. S. Kouikoglou, and Y. A. Phillis, "Analysis of admission and inventory control policies for production networks," **IEEE Transactions on Automation Science and Engineering**, 5(2), 275–288, 2008.
25. S. Ioannidis and V. S. Kouikoglou, "Revenue management in single-stage CONWIP production systems," **International Journal of Production Research** (accepted for publication).
26. Y. A. Phillis, V. S. Kouikoglou, and V. Kouloumpis, "Sustainability ranking and critical sustainability factors of nations," in *Ecological Economics Research Trends*, C. C. Pertsova (Editor), Nova Science Publishers, ISBN 1-60021-941-1, 149–170, 2008.
27. V. D. Kouloumpis, V. S. Kouikoglou, and Y. A. Phillis, "Sustainability assessment of nations and related decision making using fuzzy logic," **IEEE Systems Journal**, 2(2), 224–236, 2008.