

Κατάλογος Επιστημονικών Δημοσιεύσεων

Βασίλειος Α. Ευαγγελόπουλος

A. Δημοσιεύσεις σε διεθνή επιστημονικά περιοδικά

- [Π1] **V.A. Evangelopoulos**, P.S. Georgilakis, and N.D. Hatziargyriou, "Optimal operation of smart distribution networks: A review of models, methods and future research," *Electric Power Systems Research*, vol. 140, pp. 95–106, Nov. 2016. [doi: [10.1016/j.epsr.2016.06.035](https://doi.org/10.1016/j.epsr.2016.06.035)]
- [Π2] I.I. Avramidis, **V.A. Evangelopoulos**, P.S. Georgilakis and N.D. Hatziargyriou, "Demand side flexibility schemes for facilitating the high penetration of residential distributed energy resources," *IET Generation, Transmission, and Distribution*, vol. 12, no. 18, Oct. 2018. [doi: [10.1049/iet-gtd.2018.5415](https://doi.org/10.1049/iet-gtd.2018.5415)]
- [Π3] **V.A. Evangelopoulos**, I.I. Avramidis, and P.S. Georgilakis, "Flexibility services management under uncertainties for power distribution systems: Stochastic scheduling and predictive real-time dispatch," *IEEE Access*, vol. 8, no. 1, pp. 38855–38871, Feb. 2020. [doi: [10.1109/ACCESS.2020.2975663](https://doi.org/10.1109/ACCESS.2020.2975663)]
- [Π4] **V.A. Evangelopoulos**, T.P. Kontopoulos, and P.S. Georgilakis, "Heterogeneous aggregators competing in a local flexibility market for active distribution system management: A bi-level programming approach," *International Journal of Electrical Power & Energy Systems*, vol. 136, 107639, 2022. [doi: [10.1016/j.ijepes.2021.107639](https://doi.org/10.1016/j.ijepes.2021.107639)]
- [Π5] I.I. Avramidis, F. Capitanescu, **V.A. Evangelopoulos**, P.S. Georgilakis, G. Deconinck, "In pursuit of new real-time ancillary services providers: Hidden opportunities in low voltage networks and sustainable buildings," *Transactions on Smart Grid*, vol. 13, no. 1, pp. 429–442, Jan. 2022. [doi: [10.1109/TSG.2021.3112925](https://doi.org/10.1109/TSG.2021.3112925)]
- [Π6] P.A. Karafotis, **V.A. Evangelopoulos**, and P.S. Georgilakis, "Reliability-oriented Reconfiguration of Power Distribution Systems Considering Load and RES Production Scenarios," *Transactions on Power Delivery*, vol. 37, no. 6, pp. 4668–4678, Dec. 2022. [doi: [10.1109/TPWRD.2022.3153552](https://doi.org/10.1109/TPWRD.2022.3153552)]
- [Π7] P.A. Karafotis, **V.A. Evangelopoulos**, and P.S. Georgilakis, "Evaluation of harmonic contribution to unbalance in power systems under nonstationary conditions using wavelet packet transform," *Electric Power Systems Research*, vol. 178, Jan. 2020. [doi: [10.1016/j.epsr.2019.106026](https://doi.org/10.1016/j.epsr.2019.106026)]
- [Π8] **V.A. Evangelopoulos**, P.A. Karafotis, and P.S. Georgilakis, "Probabilistic spatial load forecasting based on hierarchical trending method," *Energies*, vol. 13, no. 18, 4643, Sep. 2020. [doi: [10.3390/en13184643](https://doi.org/10.3390/en13184643)]
- [Π9] **V.A. Evangelopoulos** and P.S. Georgilakis, "Probabilistic spatial load forecasting for assessing the impact of electric load growth in power distribution networks," *Electric Power System Research*, vol. 207, 107847, 2022. [doi: [10.1016/j.epsr.2022.107847](https://doi.org/10.1016/j.epsr.2022.107847)]

Β. Δημοσιεύσεις σε διεθνή επιστημονικά συνέδρια με κριτές

- [Σ1] I.I. Avramidis, **V.A. Evangelopoulos**, and P.S. Georgilakis, “Demand side flexibility prospects in modern LV networks: A probabilistic assessment,” Proc. in *IEEE 2019 PowerTech*, Milan, Italy, Jun. 2019. [doi: [10.1109/PTC.2019.8810428](https://doi.org/10.1109/PTC.2019.8810428)]
- [Σ2] M.C. Fotopoulou, **V.A. Evangelopoulos**, and P.S. Georgilakis, “Optimal robust operational planning of power distribution systems considering electric vehicle aggregators”, Proc. in *2020 6th IEEE International Energy Conference (ENERGYCon)*, Gammarth, Tunis, Tunisia, 28 Sep. – 1 Oct. 2020, pp. 894–899. [doi: [10.1109/ENERGYCon48941.2020.9236553](https://doi.org/10.1109/ENERGYCon48941.2020.9236553)]
- [Σ3] T.P. Kontopoulos, **V.A. Evangelopoulos**, and P.S. Georgilakis, “Impact of demand side flexibility on aggregators demand response services,” Proc. in *2020 Mediterranean Conference on Power Generation, Transmission, Distribution and Energy Conversion (MEDPOWER)*, Paphos, Cyprus, 9–12 Nov. 2020. [doi: [10.1049/icp.2021.1249](https://doi.org/10.1049/icp.2021.1249)]
- [Σ4] I.I. Avramidis, **V.A. Evangelopoulos**, F. Capitanescu, P.S. Georgilakis, and G. Deconinck “Predictive Control in LV networks: A 3-stage approach based on smart sustainable buildings,” Proc. *IEEE 2021 PowerTech*, Madrid, Spain, Jun. 2021. [doi: [10.1109/PowerTech46648.2021.9494863](https://doi.org/10.1109/PowerTech46648.2021.9494863)]

Γ. Παλαιότερες δημοσιεύσεις σε διεθνή επιστημονικά περιοδικά

- [Π10] **V.A. Evangelopoulos**, P.S. Georgilakis, “Optimal distributed generation placement under uncertainties based on point estimate method embedded genetic algorithm,” *IET Generation, Transmission, and Distribution*, vol. 8, no. 3, pp. 389-400, Mar. 2014. [doi: [10.1049/iet-gtd.2013.0442](https://doi.org/10.1049/iet-gtd.2013.0442)]