

Curriculum Vitae

Όνομα	Konstantinos Siozios
<i>Position</i>	• Professor, Department of Physics, Aristotle University of Thessaloniki • Member of the “Electronic Physics” Laboratory
<i>Education</i>	• Ph.D., Dept. of ECE, Democritus University of Thrace (2009) • M.Sc., Dept. of ECE, Democritus University of Thrace (2003) • Diploma in ECE, Democritus University of Thrace (2001)
<i>Academic Experience</i>	• 07/2016 – 04/2020: Tenure-track Assistant Professor, Department of Physics, AUTH • 04/2020 – 07/2021: Tenured Assistant Professor, Department of Physics, AUTH • 07/2021 – 07/2025: Associate Professor, Department of Physics, AUTH • 07/2025 – Present: Professor, Department of Physics, AUTH
<i>Research Activities</i>	Undergraduate, Diploma and Doctoral Theses • Supervision of > 34 undergraduate theses • Supervision of > 15 diploma/master’s theses • Supervisor of 3 completed doctoral dissertations • Member of the three-member advisory committee for 13 doctoral dissertations, and member of the seven-member examination committee for 7 additional doctoral dissertations Participation in Research & Development Projects • 32 research & development projects • 8 projects as Principal Investigator (funding to AUTH >€2.5 million) Published Work • 5 scientific books • 9 chapters in edited volumes • 61 publications in peer-reviewed international journals • 146 publications in peer-reviewed international conf. proceedings • > 1,000 citations, h-index = 14 International Recognition • Reviewer for international journals (>90 articles) • Member of > 30 organizing committees of international conferences • >10 invited talks Participation in Research Groups • Participation in the Photonic Systems and Networks group WinPhos of KEDEK AUTH (http://winphos.web.auth.gr/) • Participation in the Thessaloniki Integrated Systems Research Group (https://thessis.web.auth.gr/)
<i>Top Five Scientific</i>	1. C. Marantos, K. Siozios and D. Soudris, “Rapid Prototyping of Low-Complexity Orchestrator Targeting CyberPhysical Systems: The Smart-

Publications	Thermostat Usecase”, IEEE Transactions on Control Systems Technology, Vol. 28, No. 5, pp. 1831–1845, September 2020. 2. K. Balaskas, G. Zervakis, H. Amrouch, J. Henkel and K. Siozios, “Automated Design Approximation to Overcome Circuit Aging”, IEEE Transactions on Circuits and Systems I: Regular Papers, Vol. 68, No. 11, pp. 4710–4721, Nov. 2021. 3. A. Kokkinis, G. Zervakis, K. Siozios, M. B. Tahoori and J. Henkel, “Enabling Printed Multilayer Perceptrons Realization via Area-Aware Neural Minimization”, IEEE Transactions on Computers, Vol. 74, No. 4, pp. 1461–1469, April 2025. 4. K. Pfeiffer, K. Balaskas, K. Siozios and J. Henkel, “Energy-Aware Heterogeneous Federated Learning via Approximate DNN Accelerators”, IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, Vol. 44, No. 6, pp. 2054–2066, June 2025. 5. C. Sad, D. Masouros, G. Retsinas, D. Soudris, K. Siozios, “FLEX: Flexible Federated Learning with Asynchronous Peer-to-Peer Communication and Adaptive Aggregation”, IEEE Transactions on Parallel and Distributed Systems, 2026. Publication list http://ksiop.webpages.auth.gr/?page_id=10
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