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Studies	<ul style="list-style-type: none"> ▪ 2007, PhD, School of Electrical and Computer Engineering, National Technical University of Athens, Greece ▪ 2001, BSc Physics, School of Physics, Aristotle University of Thessaloniki 	
Research Interests	<ul style="list-style-type: none"> ▪ Integrated photonic circuits on SiN, glass and SOI platforms ▪ Optical signal processing using photonic integrated circuits ▪ High-sensitivity plasmo-photonic sensors ▪ Optical interconnects and photonic systems for data centres ▪ Optical modulators ▪ Building blocks for photonic neural networks ▪ Heterogeneous integration technologies for III-V components on PICs 	
Overview of Scientific work	<ul style="list-style-type: none"> ▪ 74 peer reviewed journal articles ▪ 101 peer reviewed conference publications ▪ 7 articles in national conferences ▪ 2 Book Chapters ▪ 1 US Patent ▪ Hetero Citations: >2600 (GS) with h-index=28 & >1800 with h-index=23(Scopus) 	
Research Projects & Funding	<ul style="list-style-type: none"> ▪ Participation in 12+ EU and National funded projects ▪ Coordinator in two Horizon 2020 projects: NEBULA και MOICANA. ▪ PI on behalf of AUTH in two Horizon projects: MASSTART και ALLEGRO ▪ Scholarship from GSRI for postdoc studies (2013) 	
Five Main Publications	<ul style="list-style-type: none"> ▪ L. Damakoudi, S. Simos, D. Spasopoulos, K. Fotiadis, E. Chatzianagnostou, O. Bhalerao, S. Suckow, M.C. Lemme; D.V. Bellas, E. Lampadariou, E. Lidorikis, N. Pleros, K. Vyrsokinos, "Agile plasmo- photonic interferometric sensor with liquid dielectric loading for temperature sensing and thermo-optic coefficient measurements", IEEE Sensors, vol. 26., No. 3, 2026 ▪ T. Chrysostomidis, D. Chatzitheocharis, F. Eltes, C. Convertino, T. Buriakova, M. Zervas, N. Pleros, K. Vyrsokinos, "Ultra-Efficient Si3N4 MZIs with BaTiO3 as Weight Elements for Neuromorphic Photonics", IEEE/OSA J. Lightwav. Technol. Vol. 43, No. 9, March. 2025 ▪ I. Roumpos, L. De Marinis, S. Kovaïos, P. Seigo Kincaid, E. Paolini, A. Tsakyridis, M. Moralis-Pegios, M. Berciano, F. Ferraro, D. Bode, A. Srinivasan, M. Pantouvaki, N. Andriolli, G. Contestabile, N. Pleros, and K. Vyrsokinos, "Silicon Integrated Photonic Neuron for Noise-resilient Deep Learning", OSA Optics Express, Vol. 32, No. 20, 2024 ▪ T. Chrysostomidis, I. Roumpos, D. A. Outerelo, M. Troncoso-Costas, V. Moskalenko, J. C. Garcia- Escartin, F. J. Diaz-Otero, K. Vyrsokinos, "Long term experimental verification of a single chip quantum random number generator fabricated on the InP platform", EPJ Quantum Technology, Vol. 10, No. 1, Dec. 2023 ▪ D. Chatzitheocharis, E. Lampadariou, E. Chatzianagnostou, E. Lidorikis, K. Vyrsokinos, "Si3N4- plasmonic ferroelectric MZIR modulator for 112-Gbaud PAM-4 transmission in the O-band", OSA Optics Express, vol. 31, no. 19, 2023 	
<i>[winphos.web.auth.gr]</i>		<i>Last Update: [5/2026]</i>