

# *CURRICULUM VITAE*

*Yiannopoulos Konstantinos*

**2016**

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**A.1. EDUCATIONAL BACKGROUND**

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- 2004 PhD on Electrical Engineering and Computer Science,  
School of Electrical and Computer Engineering,  
National Technical University of Athens  
Thesis Title  
"Ultra-High Speed Circuits for Digital Optical Networks "
- 2000 Diploma on Electrical Engineering and Computer Science,  
School of Electrical and Computer Engineering,  
National Technical University of Athens  
Thesis Title  
"Implementation of an all-optical XOR gate at 20 Gb/s"
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**A.2. DISTINCTIONS AND AWARDS**

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- 2014 IEEE Wireless Communications and Networking Conference Best Paper Award
- 2004 IEEE/LEOS Graduate Student Fellowship Program 2004  
<http://photonicsociety.org/newsletters/feb05/art/02leos05.pdf>
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**A.3. RESEARCH EXPERIENCE**

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- 2010-present Lecturer  
Area of Expertise: «Optical Wireless Communications»  
Department of Informatics and Telecommunications  
University of Peloponnese
- 2012-present Senior Researcher  
Greek School Network and Networking Technologies Directorate  
Computer Technology Institute and Press "Diophantus"
- 2005-2009 Post-doc Researcher  
Communication Networks Laboratory  
Computer Engineering and Informatics Department  
University of Patras
- 2000-2004 Researcher  
Photonics Communications Research Laboratory  
School of Electrical and Computer Engineering  
National Technical University of Athens
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**A.4. RESEARCH PROJECTS**

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- Optical Wireless Communications-An Emerging Technology (OPTICWISE) , COST/FP7
- Optical Signal Processing for Fade Mitigation in Outdoor Optical Wireless Systems (FA-MOOSE), University of Peloponnese Internal Project

- Asymmetric Passive Optical Network for xDSL and FTTH Access (PANDA), National Project/SYNERGASIA
  - Photonics for High-Performance, Low-Cost and Low-Energy Data Centers and High Performance Computing Systems: Terabit/s Optical Interconnect Technologies for On-Board, Board-to-Board and Rack-to-Rack data links (PHOXTROT), IP/FP7
  - Dynamic Impairment Constraint Networking for Transparent Mesh Optical Networks (DICONET), STREP/FP7
  - Lambda User Controlled Infrastructure for European Research (PHOSPHORUS), IP/FP7
  - Design of Novel Almost All-Optical Switching Nodes, National Project/EPEAEK
  - Optical Networks: Towards Bandwidth Manageability and Cost Efficiency (e-Photon/ONE+), NoE/FP6
  - Optical Networks: Towards Bandwidth Manageability and Cost Efficiency (e-Photon/ONE), NoE/FP6
  - All-optical label-swapping employing optical logic gates in network nodes (LASAGNE), STREP/FP6
  - Multi-Functional Integrated Arrays of Interferometric Switches (MUFINS), STREP/FP6
  - Digital Optical Fibre Logic Modules (DO\_ALL), ESPRIT FET/FP5
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## A.5. PUBLICATIONS

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### A.5.1 JOURNAL ARTICLES

- J.1. N.C. Sagias, **K. Yiannopoulos**, and A.C. Boucouvalas, "Semiconductor Optical Amplifiers in Negative-Exponential Fading: Regenerators and Pre-Amplifiers," *IET Optoelectronics*, vol. 9, no. 5, pp 249-256, October 2015.  
(<http://dx.doi.org/10.1049/iet-opt.2014.0123>)
- J.2. I. Gravalos, **K. Yiannopoulos**, G. Papadimitriou, and E.A. Varvarigos, "The max-min fair approach on dynamic bandwidth allocation for XG-PONs," *Wiley Transactions on Emerging Telecommunications Technologies*, vol. 26, no. 10, pp. 1212-1224, October 2015.  
(<http://dx.doi.org/10.1002/ett.2893>)
- J.3. **K. Yiannopoulos**, N.C. Sagias, and A.C. Boucouvalas, "On the Performance of Semiconductor Optical Amplifier-Assisted Outdoor Optical Wireless Links," *IEEE Journal on Selected Areas in Communications*, vol. 33, no. 9, pp. 1869-1876, September 2015.  
(<http://dx.doi.org/10.1109/JSAC.2015.2433052>)
- J.4. A.C. Boucouvalas, P. Chatzimisios, Z. Ghassemlooy, M. Uysal, and **K. Yiannopoulos**, "Standards for indoor Optical Wireless Communications," *IEEE Communications Magazine*, vol. 53, no. 3, pp. 24-31, March 2015.  
(<http://dx.doi.org/10.1109/MCOM.2015.7060515>)
- J.5. I. Mamounakis, **K. Yiannopoulos**, G. Papadimitriou, and E. Varvarigos, "Optical Network Unit Based Traffic Prediction for Ethernet Passive Optical Networks," *IET Circuits, Devices & Systems*, vol. 8, no. 5, pp. 349-357, September 2014.  
(<http://dx.doi.org/10.1049/iet-cds.2013.0419>)
- J.6. A.C. Boucouvalas, **K. Yiannopoulos**, and Z. Ghassemlooy, "100 Gbit/s optical wireless communication system link throughput," *Electronics Letters*, vol. 50, no. 17, pp. 1220-1222, 14 August 2014.  
(<http://dx.doi.org/10.1049/el.2014.2069>)

- J.7. **K. Yiannopoulos**, and A.C. Boucouvalas, "Link Layer Protocol Analysis of Future 10 Gb/s Infrared Links," *IET Communications*, vol. 8, no. 12, pp. 2114-2120, August 2014.  
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- J.8. **K. Yiannopoulos**, N.C. Sagias, and A.C. Boucouvalas, "Fade Mitigation Based on Semiconductor Optical Amplifiers," *IEEE/OSA Journal of Lightwave Technology*, vol. 31, no. 23, pp. 3621-3630, December 2013.  
(<http://dx.doi.org/10.1109/JLT.2013.22852601>)
- J.9. **K. Yiannopoulos**, and A.C. Boucouvalas, "Analysis and Optimization of the Link-Layer Protocol in Gb/s Infrared Links," *IET Communications*, vol. 7, no. 7, pp. 652-662, May 2013.  
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- J.10. **K. Yiannopoulos**, and A.C. Boucouvalas, "Link-Layer Buffering Requirements and Optimization of Gb/s Infrared Enabled Devices," *IEEE/OSA Journal of Optical Communications and Networking*, vol. 4, no. 5, pp. 663-670, September 2012.  
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- J.11. D.K. Borah, A.C. Boucouvalas, C.C. Davis, S. Hranilovic, and **K. Yiannopoulos**, "A review of communication-oriented optical wireless systems," *EURASIP Journal on Wireless Communications and Networking*, 2012:91, pp. 1-28, April 2012.  
(<http://dx.doi.org/10.1186/1687-1499-2012-91>)
- J.12. **K. Yiannopoulos**, M. Spyropoulou, S. Sygletos, E. Varvarigos, and I. Tomkos, "Optical buffering up to 160 Gb/s employing a quantum dot semiconductor optical amplifier-based architecture," *IET Optoelectronics*, vol. 5, no. 1, pp. 50-56, February 2011.  
(<http://dx.doi.org/10.1049/iet-opt.2009.0057>)
- J.13. **K. Yiannopoulos**, S. Thomas, and J. Azaña, "Amplitude/Timing Jitter and Peak-to-Peak Variation Optimal Rate Multipliers," *IEEE/OSA Journal of Lightwave Technology*, vol. 26, no. 8, pp. 899-907, April 2008.  
(<http://dx.doi.org/10.1109/JLT.2008.917371>)
- J.14. O. Zouraraki, **K. Yiannopoulos**, P. Zakyntinos, D. Petrantonakis, E. Varvarigos, A. Poustie, G. Maxwell, and H. Avramopoulos, "Implementation of an All-Optical Time-Slot-Interchanger Architecture," *IEEE Photonics Technology Letters*, vol. 19, no. 17, pp. 1307-1309, September 1 2007.  
(<http://dx.doi.org/10.1109/LPT.2007.902331>)
- J.15. **K. Yiannopoulos**, E. Varvarigos, and K. Vlachos, "Multiple-Input Buffer and Shared Buffer Architectures for Optical Packet and Burst Switching Networks," *IEEE/OSA Journal of Lightwave Technology*, vol. 25, no. 6, pp. 1379-1389, June 2007.  
(<http://dx.doi.org/10.1109/JLT.2007.896804>)
- J.16. **K. Yiannopoulos**, G.T. Kanellos, N. Pleros, and H. Avramopoulos, "Additive Noise and Jitter Performance Analysis of Passive Optical Interferometers Operated at Ultra High Rates," *IEEE Journal of Quantum Electronics*, Vol. 42, No. 9, pp. 918-925, September 2006.  
(<http://dx.doi.org/10.1109/JQE.2006.880070>)
- J.17. T. Houbavlis, K.E. Zoiros, M. Kalyvas, G. Theophilopoulos, C. Bintjas, **K. Yiannopoulos**, N. Pleros, K. Vlachos, H. Avramopoulos, L. Schares, L. Occhi, G. Guekos, J.R. Taylor, S. Hansmann, and W. Miller, "All-optical signal processing and applications within the ESPRIT project DO\_ALL," (*Invited Paper*) *IEEE/OSA Journal of Lightwave Technology*, Vol. 23, No. 2, pp. 781-801, February 2005.  
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- J.18. G. Theophilopoulos, M. Kalyvas, **K. Yiannopoulos**, K. Vlachos, E. Varvarigos, and H. Avramopoulos, "An alternative implementation perspective for the 'Scheduling Switch' architecture," *IEEE/OSA Journal of Lightwave Technology*, Vol. 23, No. 2, pp. 732-739, February 2005.  
(<http://dx.doi.org/10.1109/JLT.2004.838857>)
- J.19. M. Kalyvas, **K. Yiannopoulos**, T. Houbavlis, and H. Avramopoulos, "Control Signal Generation from Flag Pulses to Drive All-Optical Gates," *IEEE Photonics Technology Letters*, Vol. 15, No. 9, pp. 1122-1124, April 2004.  
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- J.20. **K. Yiannopoulos**, K. Vyrsoinos, D. Tsiokos, E. Kehayas, N. Pleros, G. Theophilopoulos, T. Houbavlis, G. Guekos, and H. Avramopoulos, "Pulse Repetition Frequency Multiplication with Spectral Selection in Fabry-Pérot Filters," *IEEE Journal of Quantum Electronics*, Vol. 40, No. 2, pp. 157-165, February 2004.  
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- J.21. **K. Yiannopoulos**, L. Stampoulidis, T. Houbavlis, and H. Avramopoulos, "Generation of 40-GHz control signals from flag pulses for switching all-optical gates for use with optical packets," *OSA Optics Letters*, Vol. 29, No. 3, pp. 241-243, February 1 2004.  
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- J.22. L. Stampoulidis, **K. Yiannopoulos**, T. Houbavlis, and H. Avramopoulos, "Generation of 40 GHz all-optical gate control signals from flag pulses," *SPIE Optical Engineering*, Vol. 43, No. 1, pp. 14-15, January 2004.  
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- J.23. M. Kalyvas, **K. Yiannopoulos**, G. Theophilopoulos, T. Houbavlis, H. Avramopoulos, and G. Guekos, "All-optical packet clock generation from decision pulses," *SPIE Optical Engineering*, Vol. 42, No. 12, pp. 3413-3414, December 2003.  
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- J.24. K. Vyrsoinos, **K. Yiannopoulos**, E. Kehayas, N. Pleros, T. Houbavlis, and H. Avramopoulos, "Repetition frequency quadruplication through Fabry-Pérot filtering," *SPIE Optical Engineering*, Vol. 42, No. 11, pp. 3075-3076, November 2003.  
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- J.25. **K. Yiannopoulos**, K. Vyrsoinos, E. Kehayas, N. Pleros, K. Vlachos, H. Avramopoulos, and G. Guekos, "Rate Multiplication by Double-Passing Fabry-Pérot Filtering," *IEEE Photonics Technology Letters*, Vol. 15, No. 9, pp. 1294-1296, September 2003.  
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- J.26. M. Kalyvas, **K. Yiannopoulos**, T. Houbavlis, and H. Avramopoulos, "Design Algorithm of All-Optical Linear Feedback Shift Registers," *AEÜ-International Journal of Electronics and Communications*, Vol. 57, No. 5, pp. 328-332, September 2003.  
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- J.27. N. Pleros, K. Vyrsoinos, C. Bintjas, **K. Yiannopoulos**, K. Vlachos, H. Avramopoulos, and G. Guekos, "All-Optical Clock Recovery From Short Asynchronous Data Packets at 10 Gb/s," *IEEE Photonics Technology Letters*, Vol. 15, No. 9, pp. 1291-1293, September 2003.  
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- J.28. **K. Yiannopoulos**, K. Vyrsoinos, N. Pleros, D. Tsiokos, C. Bintjas, G. Guekos, and H. Avramopoulos, "Repetition Rate Upgrade for Optical Sources," *IEEE Photonics Technology Letters*, Vol. 15, No. 6, pp. 861-863, June 2003.  
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- J.29. C. Bintjas, N. Pleros, **K. Yiannopoulos**, G. Theophilopoulos, M. Kalyvas, H. Avramopoulos, and G. Guekos, "All-Optical Packet Address and Payload Separation," *IEEE Photonics Technology Letters*, Vol. 14, No. 12, pp. 1728-1730, December 2002.  
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- J.30. C. Bintjas, **K. Yiannopoulos**, N. Pleros, G. Theophilopoulos, M. Kalyvas, H. Avramopoulos, and G. Guekos, "Clock Recovery Circuit for Optical Packets," *IEEE Photonics Technology Letters*, Vol. 14, No. 9, pp. 1363-1365, September 2002.  
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- J.31. G. Theophilopoulos, M. Kalyvas, C. Bintjas, N. Pleros, **K. Yiannopoulos**, A. Stavdas, H. Avramopoulos, and G. Guekos, "Optically Addressable 2x2 Exchange/Bypass Packet Switch," *IEEE Photonics Technology Letters*, Vol. 14, No. 7, pp. 998-1000, July 2002.  
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- J.32. N. Pleros, C. Bintjas, M. Kalyvas, G. Theophilopoulos, **K. Yiannopoulos**, S. Sygletos, and H. Avramopoulos, "Multiwavelength and Power Equalized SOA Laser Sources," *IEEE Photonics Technology Letters*, Vol. 14, No. 5, pp. 693-695, May 2002.  
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#### A.5.2 CONFERENCE ARTICLES

- C.1. **K. Yiannopoulos**, N.C. Sagias, and A.C. Boucouvalas, "Semiconductor Optical Amplifier-Assisted Optical Wireless Links: The Effect of Noise and Turbulence," in Proc. *IEEE International Conference on Communications (ICC) 2015*, pp. 4297-4302, June 2015.  
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- C.2. N.C. Sagias, **K. Yiannopoulos**, and A.C. Boucouvalas, "Bit-Error-Rate Performance of Semiconductor Optical Amplifiers in Negative Exponential Fading," in Proc. *International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD) 2014*, pp. 168-172, December 2014.  
(<http://dx.doi.org/10.1109/CAMAD.2014.7033228>)
- C.3. **K. Yiannopoulos**, E. Varvarigos, V. Katopodis, K. Christodouloupoulos, I. Lazarou, P. Bakopoulos, H. Avramopoulos, D. Klonidis, I. Tomkos, P. Dimos, and G. Heliotis, "Coverage Capabilities of a Multi-Wavelength Passive Optical Network Architecture," in Proc. *International Workshop on Computer-Aided Modeling Analysis and Design of Communication Links and Networks (CAMAD) 2014*, pp. 51-55, December 2014.  
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- C.4. P. Sarigiannidis, G. Papadimitriou, P. Nicopolitidis, E. Varvarigos and **K. Yiannopoulos**, "HYRA: An Efficient Hybrid Reporting Method for XG-PON Upstream Resource Allocation," in Proc. *5th International Conference on Optical Communication Systems (OPTICS) 2014*, pp. 5-14, August 2014.  
(<http://dx.doi.org/10.5220/0005048200050014>)
- C.5. I. Mamounakis, **K. Yiannopoulos**, G. Papadimitriou, and E. Varvarigos, "On the Prediction of EPON Traffic Using Polynomial Fitting in Optical Network Units," in

- Proc. *5th International Conference on Optical Communication Systems (OPTICS) 2014*, pp. 15-21, August 2014.  
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- C.6. **K. Yiannopoulos**, N.C. Sagias, and A.C. Boucouvalas, "Equalization of Negative-Exponential Fading in Saturated Semiconductor Optical Amplifiers," in Proc. *Communication Systems, Networks and Digital Signal Processing (CSNDSP) 2014*, pp. 894-898, July 2014.  
(<http://dx.doi.org/10.1109/CSNDSP.2014.6923955>)
- C.7. I. Gravalos, **K. Yiannopoulos**, G. Papadimitriou and E. Varvarigos, "A Modified Max-Min Fair Dynamic Bandwidth Allocation Algorithm for XG-PONs," in Proc. 19th European Conference on Networks and Optical Communications (NOC) 2014, pp. 57-62, June 2014.  
(<http://dx.doi.org/10.1109/NOC.2014.6996828>)
- C.8. **K. Yiannopoulos**, N.C. Sagias, and A.C. Boucouvalas, "SOA Nonlinear Amplification: A Promising Fade Mitigation Technique for Optical Wireless Systems," in Proc. IEEE Wireless Communications and Networking Conference (WCNC) 2014, pp. 287-292, April 2014.  
(<http://dx.doi.org/10.1109/WCNC.2014.6951982>)
- C.9. P. Sarigiannidis, G. Papadimitriou, P. Nicopolitidis, E. Varvarigos, and **K. Yiannopoulos**, "Towards a Fair and Efficient Downlink Bandwidth Distribution in XG-PON Frameworks," in *the Proceedings of the 17th IEEE Mediterranean Electrotechnical Conference (MELECON) 2014*, pp. 49-53, April 2014.  
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- C.10. A.C. Boucouvalas, N.C. Sagias, and **K. Yiannopoulos**, "First order statistics of semiconductor optical amplifier assisted optical wireless systems under log-normal fading," in Proc. *2nd International Workshop on Optical Wireless Communications (IWOW) 2013*, pp. 142-146, October 2013.  
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- C.11. **K. Yiannopoulos**, E. Varvarigos, D. Klonidis, I. Tomkos, M. Spyropoulou, I. Lazarou, P. Bakopoulos, H. Avramopoulos, G. Heliotis, L.P. Dimos, G. Agapiou, G. Papastergiou, I. Koukouvinos, A. Orfanoudakis, T. Oikonomou, D. Kritharidis, S. Spyridakis, M. Dalakidis, G. Synnefakis, D. Reisis, G.I. Papadimitriou, P. Sarigiannidis, C. Liaskos, "PANDA: asymmetric passive optical network for xDSL and FTTH access," in Proc. *17th Panhellenic Conference on Informatics (PCI) 2013*, pp. 335-342, September 2013.  
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- C.12. **K. Yiannopoulos**, and A.C. Boucouvalas, "Alternatives for the Implementation and Efficiency Optimization of 10 Gb/s Short Range Infrared Links," in Proc. *Communication Systems, Networks and Digital Signal Processing (CSNDSP) 2012*, pp. 1-4.  
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- C.13. H. Teimoori, D. Apostolopoulos, K. Vlachos, C. Ware, D. Petrantonakis, **K. Yiannopoulos**, L. Stampoulidis, H. Avramopoulos, and D. Erasme, "Physical Architectures for Packet-Switching Network Nodes Based on Nonlinear Logic Gates," in Proc. *Communication Systems, Networks and Digital Signal Processing (CSNDSP) 2008*, pp. 676-679.  
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- C.14. **K. Yiannopoulos**, E. Varvarigos, and K. Vlachos, "Multiple-Input Buffer and Shared Buffer Architectures for Asynchronous Optical Burst Switching Networks," *in Proc. IEEE International Conference on Communications (ICC) 2007*, pp. 2283 – 2288.  
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- C.15. M. Spyropoulou, **K. Yiannopoulos**, S. Sygletos, K. Vlachos, and I. Tomkos, "160 Gbps Simulation of a Quantum Dot Semiconductor Optical Amplifier Based Optical Buffer," *in Proc. 11th Conference on Optical Network Design and Modelling (ONDM) 2007*, vol. 4534, pp. 107-116, May 2007.  
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- C.16. S. Thomas, J. Azaña, and **K. Yiannopoulos**, "Optimal Timing Jitter Rate Multipliers Based on Sampled Fiber Bragg Gratings," *in Proc. LEOS 2007 Annual Meeting*, pp. 926-927.  
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- C.17. O. Zouraraki, D. Petrantonakis, **K. Yiannopoulos**, R. Meleiro, L. M. Sadeghioon, A. Poustie, G. Maxwell, E. Varvarigos, K. Vlachos, P. Monteiro, D. Simeonidou and H. Avramopoulos, "Optically-Addressable Packet Timeslot Interchanger Using a Quadruple Switch Array," *in Proc. Optical Fiber Communication Conference (OFC) 2007*, pp. OTuB3.  
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- C.18. K. Christodoulopoulos, K. Vlachos, **K. Yiannopoulos**, and E.A. Varvarigos, "Relaxing Delayed Reservations: An approach for Quality of Service differentiation in Optical Burst Switching networks," *in Proc. International Conference on Broadband Communications, Networks, and Systems (BROADNETS) 2006*.  
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- C.20. L. Stampoulidis, **K. Yiannopoulos**, M. Kalyvas, G. Theophilopoulos, and H. Avramopoulos, "All-optical control signal generation to drive optical gates for packet switching applications," *in Proc. Optical Amplifiers and Their Applications (OAA) 2004*, pp. JWB15.  
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- C.21. **K. Yiannopoulos**, K. Vyrsoinos, N. Pleros, C. Bintjas, T. Houbavlis, H. Avramopoulos, and G. Guekos, "A Repetition Rate Upgrade from 10 to 40 GHz for Laser Sources," *in Proc. Optical Fiber Conference (OFC) 2003*, Vol. 2, pp. 765-766.  
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- C.22. **K. Yiannopoulos**, N. Pleros, C. Bintjas, M. Kalyvas, G. Theophilopoulos, H. Avramopoulos, and G. Guekos, "All-Optical Packet Clock Recovery Circuit," *in Proc. European Conference on Optical Communication (ECOC) 2002*, Vol. 2, paper 4.3.5.  
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- C.23. N. Pleros, C. Bintjas, **K. Yiannopoulos**, G. Theophilopoulos, M. Kalyvas, K. Vyrsoinos, H. Avramopoulos, and G. Guekos, "All-Optical Address and Data Separation for 10 Gb/s Packets," *in Proc. European Conference on Optical Communication (ECOC) 2002*, Vol. 3, paper P4.10.  
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- C.24. **K. Yiannopoulos**, N. Pleros, C. Bintjas, M. Kalyvas, G. Theophilopoulos, H. Avramopoulos, and G. Guekos, "All Optical Clock Recovery for Data Packets," in *Proc. IEEE/LEOS Summer Topical Meeting 2002 (All-Optical Networking: Existing and Emerging Architecture and Applications / Dynamic Enablers of Next-Generation Optical Communications Systems / Fast Optical Processing in Optical Transmission/VCSEL and Microcavity Lasers)*, pp. 35-36.  
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- C.25. G. Theophilopoulos, **K. Yiannopoulos**, M. Kalyvas, C. Bintjas, G. Kalogerakis, H. Avramopoulos, L. Occhi, L. Schares, G. Guekos, S. Hansmann, and R. Dall' Ara "40 GHz All-Optical XOR with UNI Gate," in *Proc. Optical Fiber Conference (OFC) 2001*, Vol. 1, pp. MB2/1-MB2/3.  
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### A.5.3 BOOK CHAPTERS

- B.1. I. Mamounakis, **K. Yiannopoulos**, G. Papadimitriou, E. Varvarigos, "Combined Polynomial Prediction and Max-Min Fair Bandwidth Redistribution in Ethernet Passive Optical Networks," in *E-Business and Telecommunications*, (pp. 152-168), M.S. Obaidat, A. Holzinger, J. Filipe (Eds.), Springer 2015, ISBN: 978-3-319-25915-4.  
([http://dx.doi.org/10.1007/978-3-319-25915-4\\_9](http://dx.doi.org/10.1007/978-3-319-25915-4_9))
- B.2. P. Sarigiannidis, G. Papadimitriou, P. Nicolopolitidis, V. Kakali, E. Varvarigos, and **K. Yiannopoulos**, "ARES: An Adaptive, Resilient, Estimation Scheme for Enforcing Bandwidth Allocation in XG-PON Systems," in *E-Business and Telecommunications*, (pp. 131-151), M.S. Obaidat, A. Holzinger, J. Filipe (Eds.), Springer 2015, ISBN: 978-3-319-25915-4.  
([http://dx.doi.org/10.1007/978-3-319-25915-4\\_8](http://dx.doi.org/10.1007/978-3-319-25915-4_8))
- B.3. K. Vlachos, L. Raptis, A. Teixeira, G.M. Tosi Belevfi, and **K. Yiannopoulos**, "Optical Switch Fabrics (OSFs) and Their Application," in *Enabling Optical Internet with Advanced Network Technologies*, (pp. 155-190), J. Aracil, F. Callegati (Eds.), Springer 2009, ISBN: 978-1-84882-277-1.  
([http://dx.doi.org/10.1007/978-1-84882-278-8\\_6](http://dx.doi.org/10.1007/978-1-84882-278-8_6))
- B.4. W. Kabacinski, J. Chen, G. Danilewicz, J. Kleban, M. Spyropoulou, I. Tomkos, E. Varvarigos, K. Vlachos, S. Weclowski, L. Wosinska, and **K. Yiannopoulos**, "Novel Switch Architectures," in *Towards Digital Optical Networks*, (pp. 133-160), I. Tomkos, M. Spyropoulou, K. Ennsner, M. Kohn, B. Mikac (Eds.), Springer 2009, ISBN: 978-3-642-01523-6.  
([http://dx.doi.org/10.1007/978-3-642-01524-3\\_6](http://dx.doi.org/10.1007/978-3-642-01524-3_6))

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### A.6. REVIEWER ASSIGNMENTS

- IEEE Photonics Technology Letters
- IEEE Transactions on Communications
- IEEE Journal on Selected Areas in Communications
- IEEE Journal of Selected Topics in Quantum Electronics
- IEEE Communications Magazine
- IEEE/ACM Transactions on Networking
- IEEE/OSA Journal of Lightwave Technology
- IEEE/OSA Journal of Optical Communications and Networking

- OSA Optics Express
  - Elsevier Optics Communications
  - SPIE Optical Engineering
  - IET Communications
  - EURASIP Journal on Wireless Communications and Networking
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#### **A.7. TEACHING EXPERIENCE**

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- |              |   |
|--------------|---|
| 2010-present | Lecturer<br>Area of Expertise: «Optical Wireless Communications»<br>Department of Informatics and Telecommunications<br>University of Peloponnese |
| 2010         | Adjunct Lecturer<br>Department of Telecommunications Science and Technology<br>University of Peloponnese  |
| 2005-2009    | Adjunct Lecturer<br>Computer Engineering and Informatics Department<br>University of Patras   |
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#### **A.8. TEACHING ASSIGNMENTS**

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##### **A.8.1 POSTGRADUATE LEVEL**

- Master of Science in Space Science Technologies and Applications, Department of Informatics and Telecommunications, University of Peloponnese
  1. Satellite communications
- Master of Science in Advanced Telecommunications Systems and Networks, Department of Informatics and Telecommunications, University of Peloponnese
  2. Optical Wireless Communications
  3. Optical Networks
- Master of Science in Public Management, Department of Economics, University of Peloponnese
  4. Management Information Systems

##### **A.8.2 UNDERGRADUATE LEVEL**

- Department of Informatics and Telecommunications, University of Peloponnese
  5. Data Networks I
  6. Telephone Networks
  7. Data Structures
  8. Programming II
  9. Introduction to Optical Communications

10. Physics I (Mechanics, Waves)
11. Physics II (Electromagnetism)

- Computer Engineering and Informatics Department, University of Patras

12. Microprocessors Laboratory I
  13. Microprocessors Laboratory II
  14. Random Signals and their Applications
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#### **A.9. EDUCATIONAL PROJECTS**

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- Life-long learning, National Project

Courses: Introduction to Communications, Optical Networks, Technical Report Writing

- Reform of the Undergraduate Program of the Engineering and Informatics department, National Project/EPEAEK II

Courses: Optical Networks, Transmission Systems

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#### **A.10. THESIS SUPERVISOR**

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- Member of the supervision committee of six (6) completed and on-going PhD theses.
  - Supervisor of over twenty (20) completed and on-going diploma theses.
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#### **A.11. TRAINING-SUMMER SCHOOLS**

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- Summer School Perseus, TEI of Crete
  - OPTICWISE Training School on Optical Wireless Communications, University of Northumbria at Newcastle
  - OPTICWISE Training School on Optical Wireless Communications, University of Aveiro
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#### **A.12. PROFESSIONAL EXPERIENCE**

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|           |   |
|-----------|---|
| 2007-2009 | Electrical Engineer<br>Greek School Network and Networking Technologies Directorate<br>Computer Technology Institute and Press "Diophantus" |
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#### **A.13. PROFESSIONAL MEMBERSHIPS**

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- Institute of Electrical and Electronics Engineers (IEEE)
    - Lasers and Electro-Optics Society (LEOS)
    - Communications Society (ComSoc)
  - Technical Chamber of Greece (TEE)
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