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## **CONFERENCES**

- V. Saminadan and M. Meenakshi, "Optimal Wavelength converter Placement in Wavelength-Routed Optical Networks by simulated annealing," Proceedings of the Eleventh International conference on Advanced Computing and Communication (ADCOM 2003), held at PSG College of Tech, Coimbatore, during December 17-20, 2003 (attended and presented).
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- 3. **V. Saminadan** and M. Meenakshi, "Dynamic Routing and wavelength assignment with signal quality considerations for wavelength-routed optical networks," Proceedings of the First IEEE/IFIP International conference on wireless and optical communication networks (WOCN'04), pages 106-109, held at Sultan Qaboos University, Muscat, during June 7-9, 2004.
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- 5. **V. Saminadan** and M. Meenakshi, "Signal quality considerations for dynamic lightpath establishment in wavelength-routed optical networks," Proceedings of the conference on Distributed processing and networking (DPN'04), pages 87-91, held at IIT Kharagpur, during June 11-13, 2004 (attended and presented).

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- 8. **V. Saminadan**, A.V. Ramprasad and M. Meenakshi, "Dynamic lightpath establishment in WDM optical network in the presence of nonlinear crosstalk," Proceedings of the National conference on Advances in Electronic Communications (ADELCO 2005), pages 295-303, during April 18-19, 2005.
- 9. **V. Saminadan** and M. Meenakshi, "Impact of routing and wavelength assignment algorithms on the crosstalk performance of WDM optical networks," Proceedings of the National conference on Signals, systems and communications (NCSSC'05), organized by Anna University, Chennai, June, 2005 (attended and presented).
- 10. S. Skylakha, V. Saminadan and M. Meenakshi, "Design protection for WDM optical networks using simulated annealing algorithm," Proceedings of the National conference on Signals, systems and communications (NCSSC'05), organized by Anna University, Chennai, June, 2005.
- 11. **V. Saminadan**, A.V. Ramprasad and M. Meenakshi, "Dynamic routing and wavelength assignment in the presence of stimulated Raman scattering in WDM optical networks," International conference on Optics and optoelectronics (ICOL 2005), organized by the Optical Society of India during Dec. 2005.
- 12. **V. Saminadan** and M. Meenakshi, "Physical security approaches for information assurance in WDM optical networks," International Conference on Information security (ICIS), Pondicherry Engineering college, pages 325-331, Dec 2005 (attended and presented).

- 13. S. Skylakha, **V. Saminadan** and M. Meenakshi, "Design protection for physical security of data in WDM optical networks," International Conference on Information security (ICIS), Pondicherry Engineering college, pages 296-300, Dec 2005.
- 14. V. Saminadan and M. Meenakshi, "In-band crosstalk performance of WDM optical networks under different routing and wavelength assignment algorithms," Lecture notes in computer Science, Springer Verlag, LNCS 3741, pp. 150-170 (attended and presented at IWDC 2005).
- 15. **V. Saminadan** and M. Meenakshi, "Impact of linear and nonlinear impairments on the teletraffic performance of WDM optical networks," Third IEEE Conference on Wireless and optical communication networks (WOCN'06).
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- 17. **V. Saminadan** and S. Saminadhen, "Wireless and Optical networks security," International conference on 4G Wireless Computer networks", pages 103-108, held at Kamban Engineering College, Tamilnadu, March 2011.
- 18. U. Sampth kumar, **V. Saminadan** and P. Williams, "Performance evaluation of mm wave and UWB signals over fiber radio networks", AICTE sponsored International Conference on Communication and signal processing, pages 106-109, held at Adhiparasakthi Engg. College, Tamilnadu, April 2012, (available in IEEExplore).
- 19. Anu Sam and **V. Saminadan**, "Power Aware Algorithms for Provisioning Green Connections in Optical Networks", Proceedings of IEEE International Conference on Communication and signal processing, held at Adhiparasakthi Engg. College, Tamilnadu, April 2013.
- 20. S. Prabavathi and **V. Saminadan**, "Impairment aware provisioning Algorithms in All-Optical Networks", Proceedings of IEEE International Conference on Communication and signal processing, held at Adhiparasakthi Engg. College, Tamilnadu, April 2013.
- 21. A. Arokiamarie Johnsi and **V. Saminadan**, "Performance of Diversity Combining Techniques for FSO-MIMO system", Proceedings of IEEE International Conference on Communication and signal processing, held at Adhiparasakthi Engg. College, Tamilnadu, April 2013.

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- 25. R.Karthick and V. Saminadan, "Test data reduction using LFSR reseeding technique in benchmark circuits", International Journal of Engineering research and Technology , ICSEM 2013 proceeding, July 2013
- 26. G.SathishKumar, V. Saminadan and S.Ravi, "VLSI Implementation of low power b bit DSP processor", International Journal of Engineering research and Technology, ICSEM 2013 proceeding, July 2013
- 27. K. Sathish, S. Srinivasan and V. Saminadan, "Energy Saving Scheduling for LTE-A Network", Proceedings of National Conference on Recent Trends in Intelligent and Distributed Technologies, March 2014.
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- 29. P. Ponni shanmuga Priya and **V. Saminadan**, "Performance Analysis of WiMAX based Smart Grid Communication Traffic Priority Model", Proceedings of IEEE International Conference on Communication and signal processing, held at Adhiparasakthi Engg. College, pp. 1492- 1496, April 2014.

## **LIST OF PUBLICATIONS**

## **JOURNALS**

- **1. V.Saminadan** and M. Meenakshi, "Optimal Wavelength converter Placement in Wavelength-Routed Optical Networks," Journal of Optics, Vol. 33, No. 1, pages 1-11, Jan-March, 2004.
- **2. V.Saminadan** and M. Meenakshi, "Dynamic lightpath establishment in WDM optical networks under the constraints of transmission impairments," Journal of Optics, Vol. 35, No. 2, pages 78-100, April-June, 2006.
- **3. V.Saminadan** and M. Meenakshi, "Wavelength conversion and inband crosstalk in WDM optical networks", Journal of Optics, Springer, Vol.38, No.3, pp.131-148, Sept, 2009.
- **4. V.Saminadan** "Crosstalk performance of WDM optical networks under different routing and wavelength assignment algorithms", International Journal of Computer applications in Engineering, Technology and Science, Vol.2, No.1, pages 56-59, Oct 2009.
- **5. V.Saminadan** and D. Saraswady, "Dynamic wavelength routing in WDMOptical Networks limited by linear crosstalk and stimulated Raman scattering", International Journal of Computer applications in Engineering, Technology and Science, Vol.2, No.1, pages 60-63, Oct 2009
- **6.** S.Fouziya Sulthana, D. Saraswady, **V. Saminadan,** " Delay and Throughput analysis of scheduling algorithms for QoS requirements in WiMAx", CiiTInternational Journal of Wireless Communications, Vol.2, pages 145-150, July 2010.
- **7.** D. Saraswady, S.Thamizharasan and **V. Saminadan,** "Performance analysis of stream control transmission protocol in heterogeneous wireless networks", Advances in Wireless and Mobile communications, Vol.3, pages 225-236, 2010.
- **8. V. Saminadan** and D. Saraswady, "Signal quality considerations for dynamic connection provisioning in survivable WDM optical networks", International Journal of Networks and applications, Vol.3, No.1, pages 15-27, 2012
- **9.** S.Thamizharasan, D.saraswady, **V.Saminadan**, "Periodicity based Cyclostationary Spectrum Sensing in Cognitive Radio Networks", International Journal of Computer Applications, vol.68, Jan.2013,pp.6-9.