



Albert Sunny
Ph.D. Indian Institute of Science
Assistant Professor, Computer Science and
Engineering
albert@iitpkd.ac.in, +91 4923 226 389
<http://www.iitpkd.ac.in/people/albert>



Research Interests

- Performance analysis
- Resource allocation
- Distributed and interconnected systems

Brief Summary of Research

Albert Sunny is an Assistant Professor in the discipline of Computer Science and Engineering at the Indian Institute of Technology since 1st June, 2018. Prior to joining IIT Palakkad, he was a post-doctoral researcher with INRIA Sophia Antipolis, France where he worked on issues related to adaptive streaming of videos in cellular networks. He was offered the DST INSPIRE faculty fellowship and SERB Indo-U.S. postdoctoral fellowship in 2016 and 2017, respectively. Albert received his B. Tech. degree in Electrical and Electronics Engineering from the National Institute of Technology, Calicut, India, and M. Sc. (Engg.) and Ph. D. degrees from the Department of Electronic Systems Engineering, Indian Institute of Science, Bengaluru, India. His current research interests are in modelling, analysis, and control of distributed and interconnected systems with a special focus in wireless, social and transportation networks.

Recent Publications (Full list of publications at <https://albert-sunny.github.io/>)

- Reena Chackochan, Senthil Dhanasekaran and **Albert Sunny**, “Asynchronous Distributed Greedy Link Scheduling in Multihop Wireless Networks,” in *IEEE Transactions on Vehicular Technology*, vol. 67, no. 10, pp. 10166-10170, Oct. 2018 (Impact factor: 4.432).
- Tapas Kumar Patra and **Albert Sunny**, “Forwarding in Heterogeneous Mobile Opportunistic Networks,” in *IEEE Communications Letters*, vol. 22, no. 3, pp. 626-629, March 2018 (Impact factor: 1.988).
- Srinath Narasimha, Joy Kuri and **Albert Sunny**, “Reduced-Complexity Delay-Efficient Throughput-Optimal Scheduling with Heterogeneously Delayed Network-State Information,” in *Elsevier Performance Evaluation*, vol. 121-122, pp. 18-37, March 2018 (Impact factor: 1.613).
- Bhushan Kotnis, **Albert Sunny** and Joy Kuri, “Incentivized Campaigning in Social Networks,” in *IEEE/ACM Transactions on Networking*, vol. 25, no. 3, pp. 1621-1634, June 2017 (Impact factor: 3.376).
- **Albert Sunny**, Sumankumar Panchal, Nikhil Vidhani, Subhashini Krishnasamy, S.V.R. Anand, Malati Hegde, Joy Kuri and Anurag Kumar, “A Generic Controller for Managing TCP Transfers in IEEE 802.11 Infrastructure WLANs,” in *Elsevier Journal of Network and Computer Applications*, vol. 93C, pp. 13-26, May 2017 (Impact factor: 3.500).
- **Albert Sunny**, “Joint Scheduling and Sensing Allocation in Energy Harvesting Sensor Networks with Fusion Centers,” in *IEEE Journal on Selected Areas in Communications*, vol. 34, no. 12, pp. 3577-3589, Dec 2016 (Impact factor: 8.085).