

# INRIA, EVALUATION OF THEME Communication Networks

## PROJECT-TEAM RAP

### A SELECTION OF PUBLICATIONS

- [1] Nelson Antunes, Christine Fricker, Philippe Robert, and Danielle Tibi, *Stochastic networks with multiple stable points*, Annals of Probability **36** (2008), no. 1, 255–278, PDF.
- [2] Nelson Antunes, Christine Fricker, Philippe Robert, and James Roberts, *Traffic capacity of large WDM passive optical networks*, 22th ITC Specialist Seminar on Internet Traffic Engineering and Traffic Management (Amsterdam), IEEE Communications Society, September 2010, PDF, pp. 333–344.
- [3] Thomas Bonald, Mathieu Feuillet, and A. Proutière, *Is the law of the jungle sustainable for the Internet?*, Proceedings of INFOCOM, 2009, PDF.
- [4] Yousra Chabchoub, Christine Fricker, Fabrice Guillemin, and Philippe Robert, *Inference of flow statistics via packet sampling in the internet*, IEEE Communications Letters **12** (2008), no. 12, 897 — 899, PDF.
- [5] ———, *On the statistical characterization of flows in internet traffic with application to sampling*, Computer Communications **33** (2010), no. 1, 103–112, PDF.
- [6] Mathieu Feuillet and Philippe Robert, *On the transient behavior of Ehrenfest and Engset processes*, Advances in Applied Probability **44** (2011), no. 2, to Appear. PDF.
- [7] Christine Fricker, Philippe Robert, James Roberts, and Nada Sbihi, *Impact of traffic mix on caching performance in a content-centric network*, NOMEN’2012, Workshop on Emerging Design Choices in Name-Oriented Networking (IEEE, ed.), 2012, PDF.
- [8] Carl Graham and Philippe Robert, *Interacting multi-class transmissions in large stochastic networks*, Annals of Applied Probability **19** (2009), no. 6, 2334–2361, PDF.
- [9] Nelly Litvak and Philippe Robert, *A scaling analysis of a cat and mouse Markov chain*, Annals of Applied Probability (2011), to Appear. PDF.
- [10] Hanène Mohamed and Philippe Robert, *Dynamic tree algorithms*, Annals of Applied Probability **20** (2010), no. 1, 26–51, PDF.
- [11] Sara Oueslati, James Roberts, and Nada Sbihi, *Flow-aware traffic control for a content-centric network*, Infocom’2012, 2012, PDF.
- [12] Philippe Robert, *The evolution of a spatial stochastic network*, Stochastic Processes and Applications **120** (2010), no. 7, 1342–1363, PDF.
- [13] Philippe Robert and Florian Simatos, *Occupancy schemes associated to Yule processes*, Advances in Applied Probability **41** (2009), no. 2, 600–622, PDF.
- [14] Florian Simatos and Danielle Tibi, *Spatial homogenization in a stochastic network with mobility*, The Annals of Applied Probability **20** (2010), no. 1, 312–355, PDF.