


## 21st Annual Best of Computing Notable Books and Articles

**Computing Reviews is happy to bring you the 21st annual list of notable items published in computing—this time for 2016.** We reached out to many in the computing community for nominations: our reviewers, CR category editors, the editors in chief of journals we cover, and computer scientists in both industry and academia. In addition, we included proceedings papers that were recognized as "Best Papers" at their respective conferences, as well as the most downloaded journal papers from some of the top journals covered in CR.

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### Notable Books and Articles in Computing of 2016


#### C. Computer Systems Organization



Agelastos A.; Allan B.; Brandt J.; Gentile A.; Lefantzi S.; Monk S.; Ogden J.; Rajan M.; Stevenson J. [Continuous whole-system monitoring toward rapid understanding of production HPC applications and systems](#). *Parallel Computing* **58** (October 2016), 90-106.

Altmeyer S.; Douma R.; Lunniss W.; Davis R. [On the effectiveness of cache partitioning in hard real-time systems](#). *Real-Time Systems* **52**, 5 (September 2016), 598-643.

Bregu E.; Casamassima N.; Cantoni D.; Mottola L.; Whitehouse K. [Reactive control of autonomous drones](#). In *Proceedings of the 14th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys 2016)*, ACM, 2016, 207-219.

 Chen M.; Qian Y.; Mao S.; Tang W.; Yang X. [Software-defined mobile networks security](#). *Mobile Networks and Applications* **21**, 5 (October 2016), 729-743. [Review](#)

Kamalzadeh M.; Kralj C.; Möller T.; Sedlmair M. [TagFlip: active mobile music discovery with social tags](#). In *Proceedings of the 21st International Conference on Intelligent User Interfaces (IUI 2016)*, ACM, 2016, 19-30.

Karana E.; Giaccardi E.; Stamhuis N.; Goossensen J. [The tuning of materials: a designer's journey](#). In *Proceedings of the 2016 ACM Conference on Designing Interactive Systems (DIS 2016)*, ACM, 2016, 619-631.

Leskovec J.; Sosič R. [SNAP: a general-purpose network analysis and graph-mining library](#). *ACM Transactions on Intelligent Systems and Technology* **8**, 1 (July 2016), Article No. 1.

Li H.; Yang W.; Wang J.; Xu Y.; Huang L. [WiFinger: talk to your smart devices with finger-grained gesture](#). In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2016)*, ACM, 2016, 250-261.

