

NOTABLE COMPUTING BOOKS AND ARTICLES—2016

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*.

You will find 231 items on our list, with numerous publishers represented. As we continue to improve our methods for collecting nominations and involve more of your peers in the computing community, we hope to bring you even more definitive lists in the coming years.

We welcome your feedback, and encourage you to email us with any questions (editorial@computingreviews.com).

Angela Pugh
Managing Editor
Computing Reviews

A. General Literature

- CALUDE C. (Ed.) *The human face of computing*. Imperial College Press, 2016.
- SEDGEWICK, R.; AND WAYNE, K. *Computer science: an interdisciplinary approach*. Addison-Wesley Professional, 2016.

B. Hardware

- DAN, A. M.; LAM, P.; HOEFLER, T.; AND VECHEV, M. Modeling and analysis of remote memory access programming. In *Proc. of the ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications (OOPSLA)*, ACM, 2016, 129–144.
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- XIAO, K.; FORTE, D.; JIN, Y.; KARRI, R.; BHUNIA, S.; AND TEHRANIPOOR, M. Hardware Trojans: lessons learned after one decade of research. *ACM Transactions on Design Automation of Electronic Systems* **22**, 1 (Dec. 2016), Article No. 6.

C. Computer Systems Organization

- AGELASTOS, A.; ALLAN, B.; BRANDT, J.; GENTILE, A.; LEFANTZI, S.; MONK, S.; OGDEN, J.; RAJAN, M.; AND STEVENSON, J. Continuous whole-system monitoring toward rapid understanding of production HPC applications and systems. *Parallel Computing* **58** (Oct. 2016), 90–106.
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- BALANI, N. *Enterprise IoT: a definitive handbook*. CreateSpace Independent Publishing Platform, 2016.
- BERTINO, E.; CHOO, K.-K.R.; GEORGAKOPOULOS, D.; AND NEPAL, S. Internet of Things (IoT): smart and secure service delivery. *ACM Transactions on Internet Technology* **16**, 4 (Dec. 2016), Article No. 22.
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- COPPOLA, R.; AND MORISIO, M. Connected car: technologies, issues, future trends. *ACM Computing Surveys* **49**, 3 (Dec. 2016), Article No. 46.
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D. Software

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