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Abstract

Hello I'm an abstract.

Index Terms

C.3 [Special-purpose and Application-based Systems]: Real-time and embedded systems
C.2.4 [Computer-communication Networks]: Distributed Systems
C.2.2 [Computer-communication Networks]: Network Protocols – Routing protocols
C.2.8 [Mobile Computing]: Algorithm/protocol design and analysis

Robustness, Real-Time Systems, Distributed Systems, Networks, Delay Uncertainties, Execution Overruns.



1 INTRODUCTION

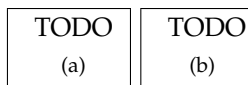


Fig. 1: Influence of extent to which tasks are delayed on robustness, using randomized WCET overrun percentages. Left: importance equal to priority; Right: random importance values.

I'm trying to reference the "main" number (not *a* or *b*) of a subfloat figure. Figure 1. AHA! The trick was to put label after caption in the figure.

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Forrest landola earned the BS degree in Computer Science at University of Illinois at Urbana-Champaign in 2012, and he is now pursuing his PhD in Computer Science at University of California, Berkeley. His BS thesis focused on scheduling and routing methodologies for real-time distributed systems. His PhD research, funded by the National Defense Science and Engineering Graduate (NDSEG) Fellowship, focuses on designing fast and scalable computer vision algorithms for real-time sensing and interactive systems. Forrest is also interested in scientific computing, and he designed large-scale physics simulations at three US Department of Energy National Laboratories. He is the recipient of the Daniel L. Slotnick Scholarship from the UIUC Department of Computer Science, and he is a member of IEEE, SIAM, and ACM.

Praveen Jayachandran is a research staff member of the next generation services and cloud computing team at IBM Research, India. His research interests are in the area of analysis, performance management, and optimization of distributed systems and networks. He received his PhD from the University of Illinois at Urbana-Champaign in 2010. He is the recipient of the best paper award at ECRTS 2009, the best student paper award at ECRTS 2007, and the C.L. and Jane Liu award from the Department of Computer Science at UIUC in 2007.

Tarek Abdelzaher received his B.Sc. and M.Sc. degrees in Electrical and Computer Engineering from Ain Shams University, Cairo, Egypt, in 1990 and 1994 respectively. He received his Ph.D. from the University of Michigan in 1999 on Quality of Service Adaptation in Real-Time Systems. He has been an Assistant Professor at the University of Virginia, where he founded the Software Predictability Group, until his promotion with tenure in 2005. He is currently a Full Professor at the Department of Computer Science, the University of Illinois at Urbana Champaign. He has authored/coauthored three book chapters and more than 60 refereed publications in leading conferences and journals in several fields including real-time computing, distributed systems, sensor networks, and control. He is Editor-in-Chief of the Journal of Real-Time Systems, an Associate Editor of the IEEE Transactions on Mobile Computing, the ACM Transaction on Sensor Networks, the International Journal of Embedded Systems and the Ad Hoc Networks Journal, as well as Editor of ACM SIGBED Review. He was Guest Editor for the Journal of Computer Communications and the Journal of Real-Time Systems, and is Co-Editor of IEEE Distributed Systems Online. He served on numerous technical program committees in real-time computing, networking, quality of service, distributed systems, sensor networks, multimedia, and mobile computing, among others. Abdelzaher's research interests lie broadly in understanding and controlling the temporal properties of software systems in the face of increasing complexity, distribution, and degree of embedding in an external physical environment. Tarek Abdelzaher is a member of IEEE and ACM.